



**ELSEWEDY
ELECTRIC**

**EMPOWERING
THE FUTURE**

Sustainability Report 2017





Acknowledgments about this Report

This is Elsewedy Electric's first consolidated sustainability report. The report covers our social, economic, and governance performance from the year of our inception till 2017. We intend to continue reporting on our progress and activities annually. During the data collection process, all data was collected by each relevant department contact person, and then shared through a secure platform to be verified by each department head internally before being communicated. This report has been produced for Elsewedy Electric in collaboration with the Global Compact Network Egypt (GCNE) Foundation.

When identifying our reporting topics, data, boundaries, and scope, Elsewedy Electric's value, mission, and core values were considered at all stages. This sets out the vision for Elsewedy Electric to be a global leader in delivering integrated energy services and solutions. This report gives an overview of our governance structure, operations, companies, industry innovations, environmental impact, corporate social responsibilities and engagement with local communities, learning, and research. This report serves as our Communication on Progress as members of the UN Global Compact (UNGC) Network in Egypt, as well as, a sustainability report for suppliers, vendors and clients across the Group. It discloses our performance within topics that are important to our stakeholders, including employees, industry, government, community partners, and of course customers and clients. As an international conglomerate not only do we focus on the human aspect of sustainability by providing better living standards, access to health and education, and reducing gender inequalities, but we also look at the economical aspect of sustainable cities and communities, job opportunities, decent work environments, and economic growth.

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Elsewedy Electric Group



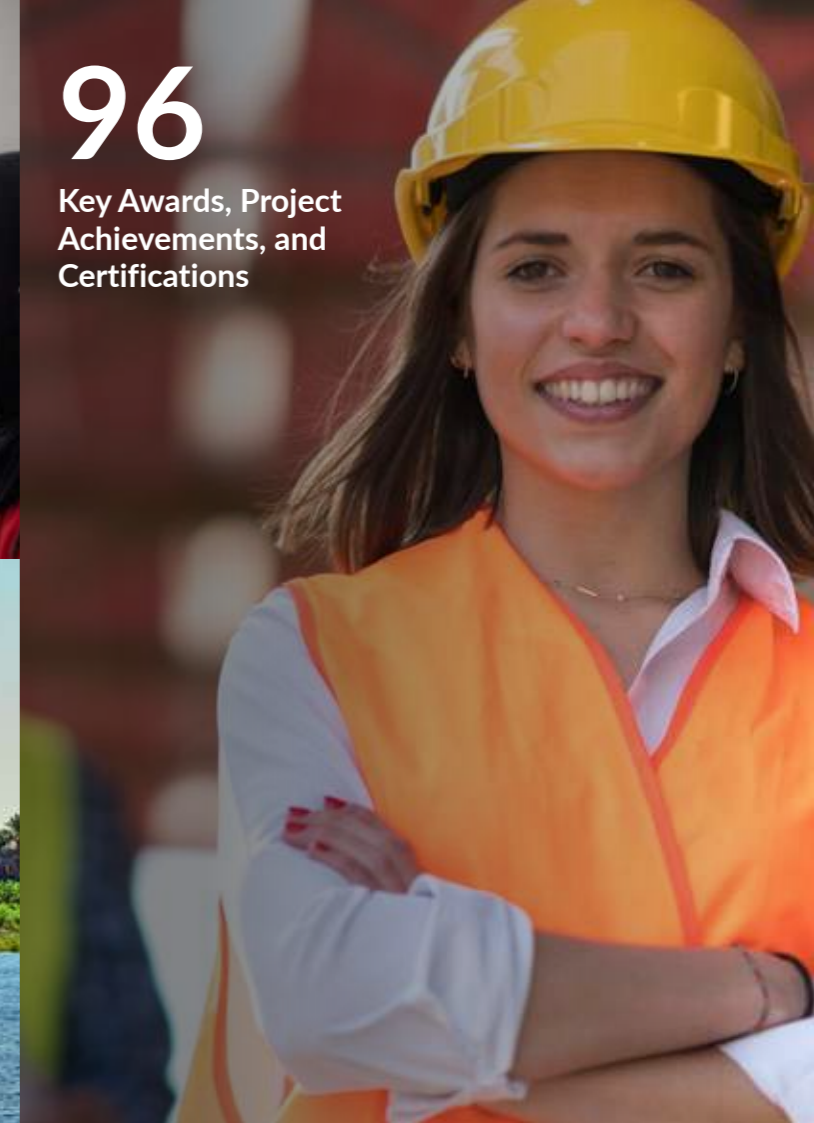
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Message from the CEO



Message from our Group CEO



Businesses have the power to make a difference in the world and to truly change societies for the better. We built our business on three pillars: delivering expert products and services, knowing our customers, and succeeding in every venture we embark upon."

Elsewedy Electric started as a family business and over the years has grown to be an international conglomerate operating around the world. Our success flows from our ability to provide integrated energy solutions to clients across the globe. During turbulent global challenges, economic hardships, and unprecedented market changes, we were able to achieve new accomplishments and consistent financial growth. Our teamwork and impressive solutions allowed us to hit all our key financial targets. Revenues of EGP 42.9 billion in 2017 were driven by strong results across all business lines.

The Beni Suef combined-cycle power plant (4800 MW) marked the beginning of a new era of power generation for Elsewedy Electric, a leading achievement for the energy industry, empowering people to do more while using less. Elsewedy Electric continues to innovate as an energy company, excelling in all things energy related, including renewables. Our employee development, research ecosystem, IT infrastructure, education, and centralization of all our industries paves the way for continued success delivering exponential growth.

Sustainability is not an obscure international trend, it is a part of our corporate culture and workplace environment, embedded in every single employee of Elsewedy Electric Group family.

We believe in our moral obligation to society, and one thing that has not changed during our years of growth is our commitment to our communities. All companies across the group implement our policy and vision for reducing our carbon footprint. We comply with all applicable and relevant environmental laws and regulations and we mitigate the environmental impacts of all business lines, factories, and facilities. Key energy commodity consumption for electricity and fossil fuels in 2017 was set at 27,567.275 MW and 71,681 MWH/kg respectively. We strive to reduce our impact on the environment and conserve natural resources while reducing operating costs and improving output. For Elsewedy Electric, protecting the environment includes minimizing air emissions, wastewater, solid waste management, and other negative external impacts. Additionally we focus on promoting a culture of environmental awareness to reduce our use of commodities and raw materials.

Elsewedy Electric strives to improve the lives of all those we can, whether they are employees, customers, or everyday people. Through continued strong governance, partnerships with local entities and non-governmental organizations (NGOs), we work to better the lives of everyone, everywhere.

Ahmed Elsewedy
President and Chief Executive Officer (CEO)



Mission, Vision, Values, and Corporate Culture



Mission, Vision, Values, and Corporate Culture

Mission

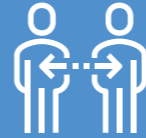
To deliver efficient, integrated energy solutions provided with exceptional expertise and services to our customers and communities.

Vision

To become a worldwide leader in delivering energy, services, and value.



Five Principles that Guide All Operations



Integrity

- Be ethical, honest, and transparent.



Customer Satisfaction

- Offer an exceptional customer experience locally and globally by delivering quality products and services, as well as innovative solutions.



Excellence

- Strive to excel in every aspect of our business.
- Approach challenges with determination to succeed.



Ownership, Commitment and Collaboration

- Assume responsibility for actions and decisions.
- Execute and deliver with a sense of urgency.
- Demonstrate equality, humility, and respect for others.
- Collaboration and teamwork.



Innovation

- Identify, develop, and deploy cutting-edge technology.
- Pursue improvement tools.

Corporate Strategy

A strategic foundation is the basis for success and it is how we make sure that we fulfill our vision, mission, and values. Providing global, integrated energy solutions is the foundation of our strategy.

Elsewedy Electric's corporate strategy is built on three pillars:



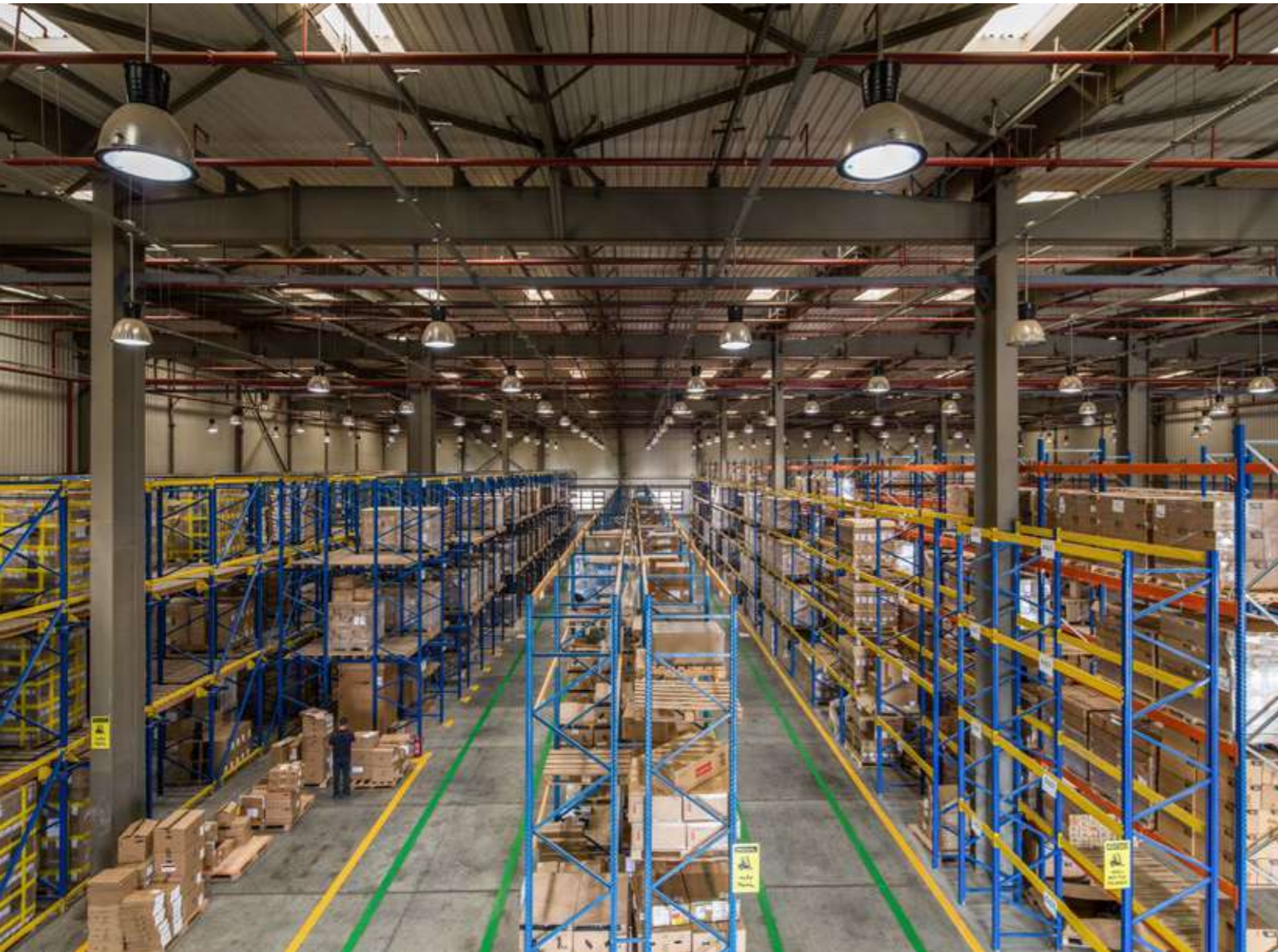
Power



Build



Develop Sustainable Value



Grow the Core Business of Power Products and Power Services (EPCS)



- Differentiate offerings through innovation and quality.
- Cultivate renewables, water, oil and gas, and transportation.
- Build a presence in new markets.
- Defend and grow market leadership in target markets.

Operate with Excellence



- Deliver cost-effective and high-quality products and services to local and global customers.
- Enhance the efficiency of internal processes and measures.
- Initiate Corporate Social Responsibility (CSR) and sustainability measures in education, health, community engagement, and volunteering.

Build Customer Relationships



- Increase revenues through strategic alliances and partnering with new players.
- Gain repetitive business through partnerships with key accounts, through both company-to-company and company-to-country approaches.
- Broaden the customer base.

Our History

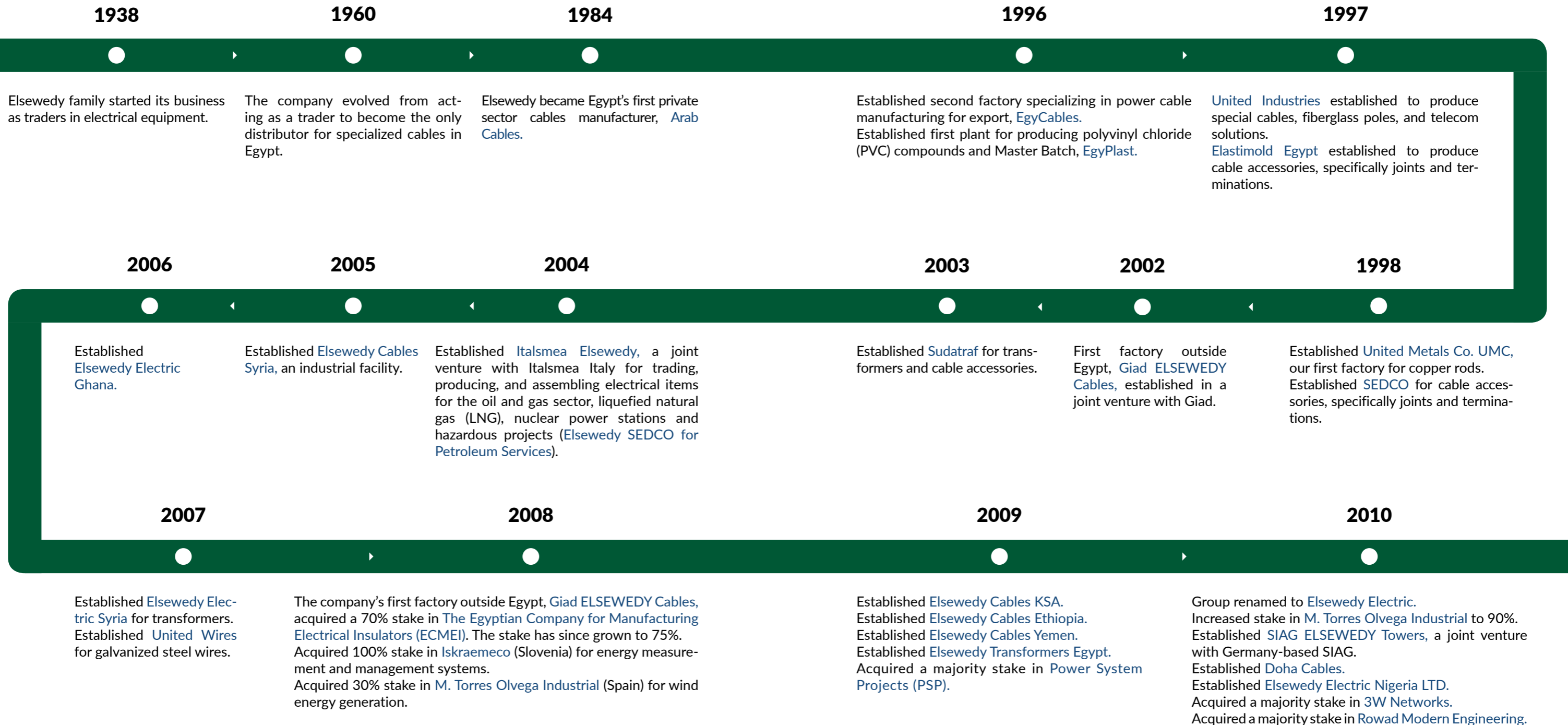
A Timeline of Change that is Shaping the Future of Integrated Energy Solutions

Over 75 Years of Success

History

The Elsewedy name has existed in the Egyptian market since 1938 when the family-run business began trading in electrical equipment. Through integrated strategies, clear leadership, and valuable team players, Elsewedy grew from these small roots to dominate the Egyptian market, and by 1960 we were Egypt's first specialized cable distributor. With the establishment of our production plant, Arab Cables, in

1984, Elsewedy became Egypt's first private manufacturer of cables. Over the next thirty years Elsewedy Electric established factories, acquired companies, and innovated across our value chain, both locally and internationally, growing exponentially toward our goal of providing innovative products through superior solutions.



Elsewedy Electric Group



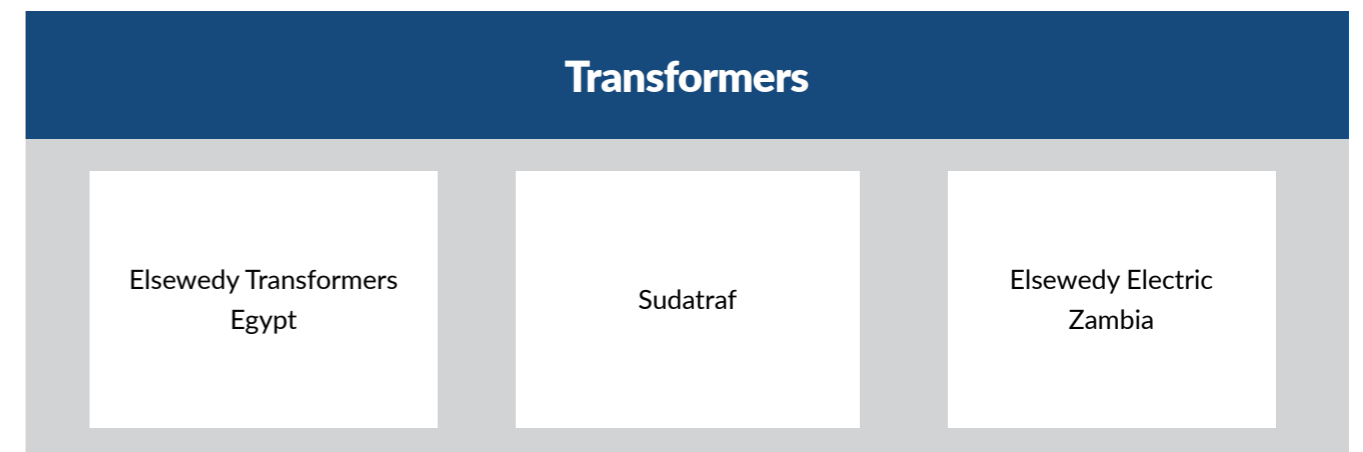
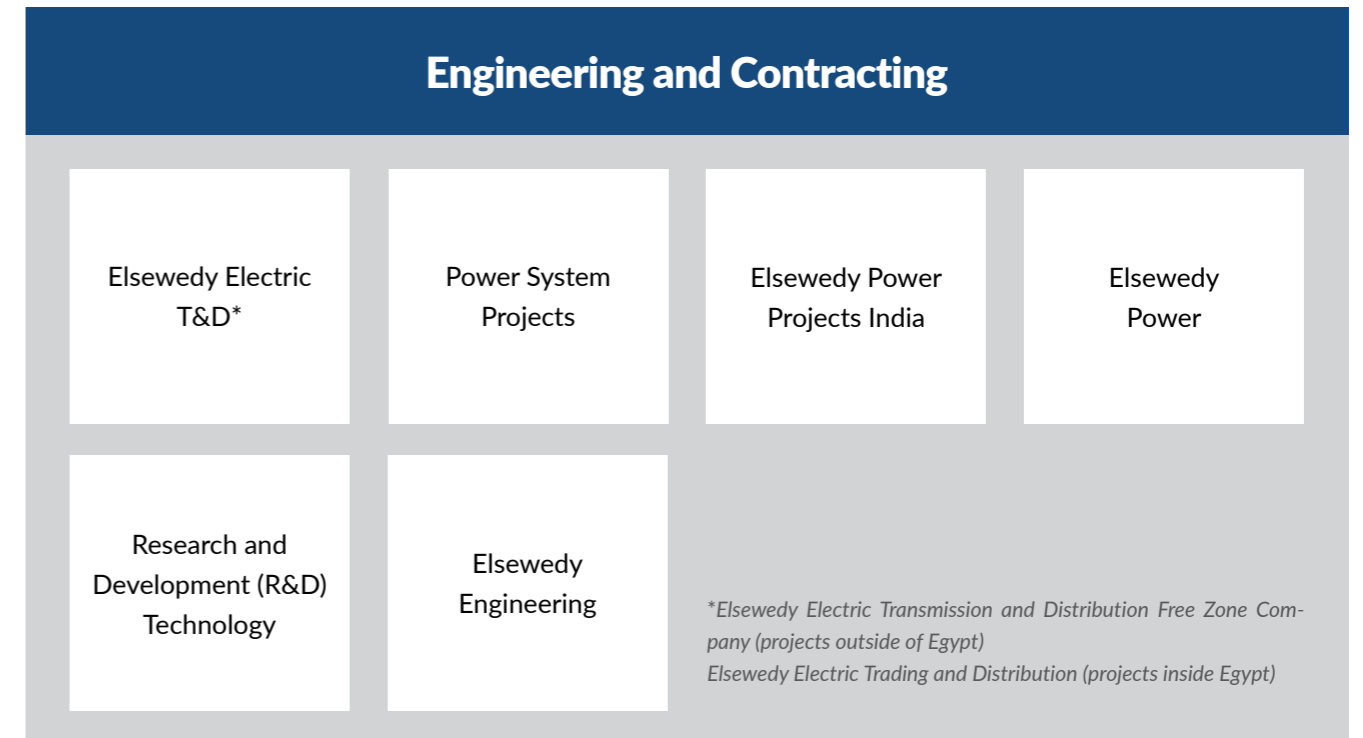
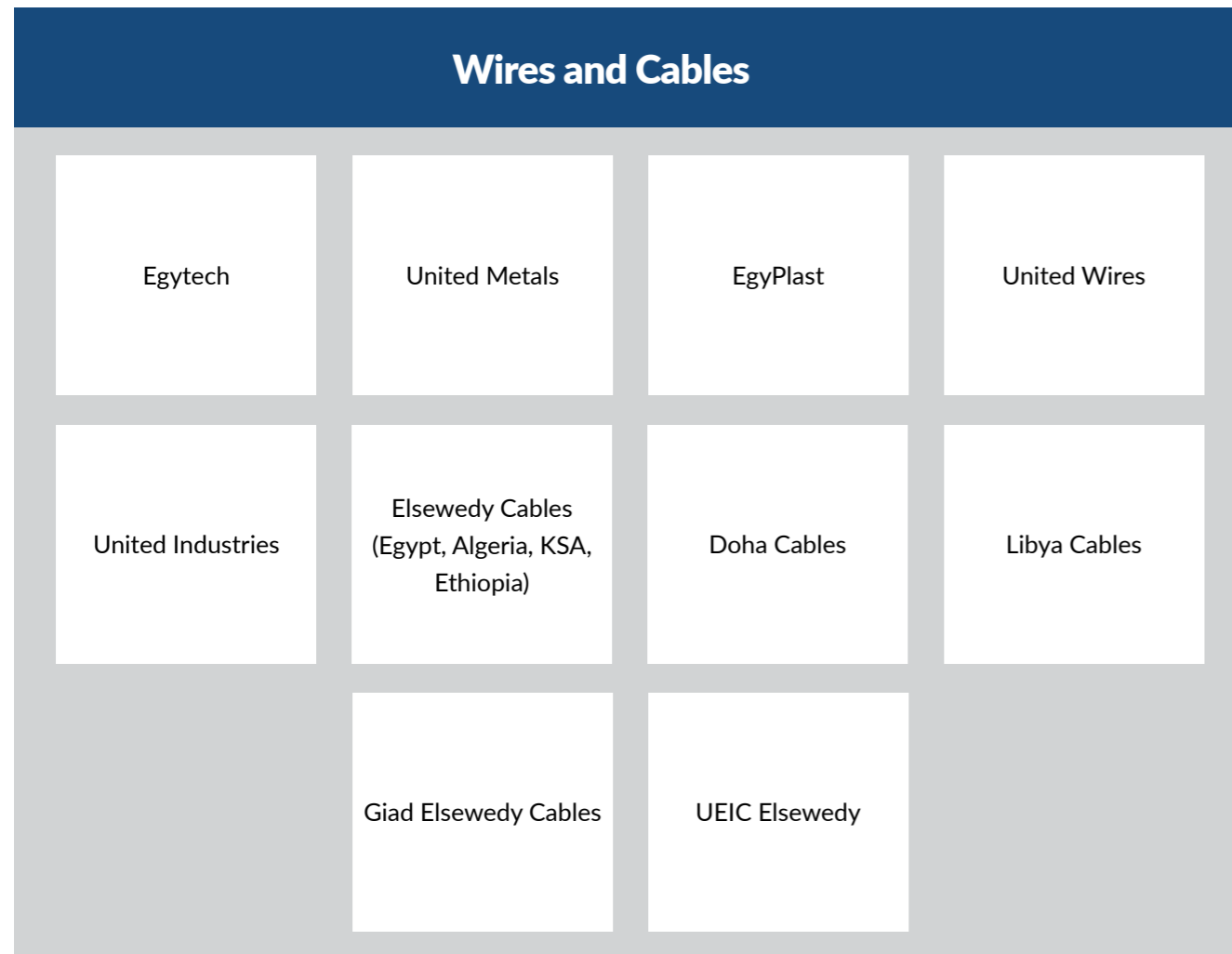
Esewedy Electric Group

Esewedy Electric develops technologies and solutions to manage energy and energy processes safely, reliably, efficiently, and sustainably. Esewedy Electric is one of the largest engineering and constructing contractors in the Middle East and Africa, and a major manufacturer of electrical products globally. We have production facilities in over 14 countries, a family of more than 14,000 employees, and export our products to more than 110 countries.

Investment throughout the Group ensures innovation, differentiates our products and services, and supports our strong commitment to sustainable development.

Together, the Esewedy Electric group is a global leader in custom integrated energy solutions, improving efficiency and cutting on operational cost. Esewedy Electric's subsidiaries are regional providers of connected technologies that reshape our industries, transform cities, and enrich lives.

In addition to providing cables, transformers (distribution and power), switchgears, insulators, meters (electronic and smart), light poles, and more, we act as a total solutions provider, delivering complete energy management and metering systems that integrate communication and digital/smart grid solutions.



Energy Measurement and Management

Iskraemeco

ISKRA AMESI

Electrical Products

Esewedy SEDCO

Elastimold Egypt

ECMEI

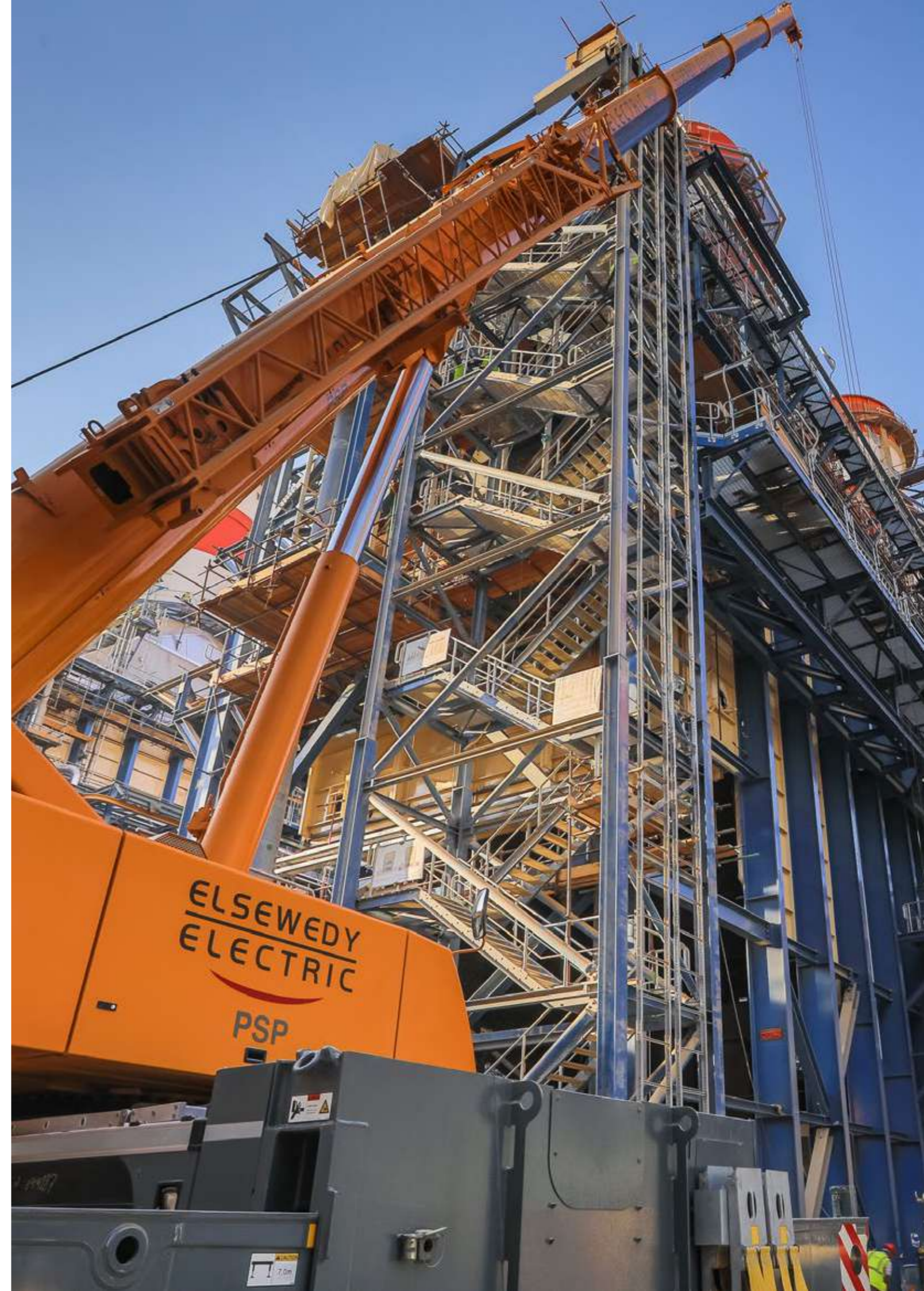
Esewedy SEDCO for
Petroleum Services

United Industries-Fiber
Glass Poles

Wind Energy Generation

Esewedy for Wind Energy
Generation (SWEG)

SET



Brands, Products, and Services

All of Esewedy Electric's business lines and factories fall in to two categories, both of which focus on providing integrated energy products through superior solutions.

All-Inclusive Service

All Esewedy companies cooperate seamlessly to offer our customers energy-related products in an all-inclusive system. Through strategic synergies and consolidated centralized information across the Group, we simplify the process of buying energy products for customers.

We provide our all-inclusive services through:

- Esewedy Cables (cables and accessories)
- Esewedy SEDCO and Elastimold (electrical products, group A)
- Esewedy SEDCO for Petroleum Services (electrical products, group B)
- Iskraemeco (energy management systems)
- Esewedy Transformers (transformers)

All-Inclusive Service: Esewedy Cables

Cables and accessories represent the largest sector of the Esewedy Electric Group. Our 25 years in cable manufacturing, calibrated equipment, state of the art machinery, and high-quality raw materials guarantee satisfaction to our clientele around the world. All products adhere to and comply with industry certifications, European standards, and other international and product-specific standards.

Cables and accessories are produced through nine divisions:¹

- Power Cables
- Special Cables
- Fiber Optic Cables
- Winding Wires
- Cables Accessories
- Raw Materials
- Insulators and Fittings
- Explosion-proof Equipment
- Fiber Glass Poles

All products are provided by our factories operating under Esewedy Cables	
Egytech Cables	United Industries
Esewedy Cables Egypt	Esewedy Cables Algeria
Esewedy Cables KSA	Doha Cables
Esewedy Cables Ethiopia	Esewedy SEDCO
Esewedy SEDCO for Petroleum Services	United Metals
United Wires	EgyPlast
SedPlast	United Electrical Industries Company (UEIC)
ECMEI	Elastimold

¹ See pages 12-17 of our Profile 2017 for our full product range and specifications



All-Inclusive Service: Esewedy SEDCO and Elastimold

Esewedy SEDCO and Elastimold, a joint venture with Elastimold USA, produce, sell, and install cable accessories, including joints and terminations, with voltages up to 220 KV to both local and international markets. State-of-the-art production equipment and adherence to the highest quality and testing standards sets them apart from their competitors. The Egyptian Company for Advanced Industries also produces electrical products.

Through these three companies we provide and install:

- Power cable joints of low, medium, and high voltage, up to 220KV
- Power cable terminations of low, medium, and high voltage, up to 220KV
- Cable accessories (metal and bi-metal parts)
- Cable link boxes.

All-Inclusive Service: Esewedy SEDCO for Petroleum Services

Esewedy SEDCO for Petroleum Services operates in the Middle East and Africa and is committed to becoming the leading integrated system provider of special electrical equipment for all projects classified as hazardous areas across all sectors. It provides electrical bulk material for the oil and gas sector, including LNG, nuclear power stations, and hazardous projects. Our technology partnerships with numerous leading equipment manufacturers, such as Thomas & Betts, Indelec, CMP, Elastimold (an authorized distributor of Eaton Crouse Hinds), and Kortian ensure the highest standards of products and services.

Through our Petroleum Services we provide:

- Explosion-proof electrical equipment
- Industrial and hazardous area cable glands and accessories
- Cable accessories
- Earthing systems
- Lightning protection systems
- Solar street-lighting systems
- Cable trays, supports, and grating systems.²

² See Esewedy SEDCO Product Catalogue for product specifications, standards, and further details.



All-Inclusive Service: Iskraemeco

Iskraemeco provides energy companies with products and services to overcome a variety of challenges. The name comes from Iskra, the Slovenian term for “spark.” Elsewedy Electric acquired Iskraemeco (Slovenia) in 2008 to consolidate our presence in the European market, going on to establish a total of three factories in Slovenia, Egypt, and Malaysia. As of 2017, Iskraemeco has a 70% share of the Dutch electricity market. As one of the world’s most advanced producers of metering equipment and services, we believe that sustainability, consumer satisfaction, and operational efficiency are key to building a smarter grid system. Not only does Iskraemeco supply meters that address diverse market demands, while offering a variety of communication options, but it also helps energy companies shape the future of energy generation and management.

Our products and services are offered through the following divisions:

- Electricity Meters
- Communication Tools
- Software Solutions
- Support Services.³

³ See pages 20-21 of Elsewedy Electric Profile 2017 for product specifications, standards, and further details.

All-Inclusive Service: Elsewedy Transformers

Elsewedy Transformers entered the market in 2005 as a pilot program in Sudan to manufacture a wide range of transformers that comply with the quality expectations of domestic and international markets. Its enormous success allowed Elsewedy Electric to expand our business line.”

Our four plants in the Middle East and Africa develop world-class power transformers. These factories being:

- Elsewedy Transformers – Egypt
- Elsewedy Transformers – Zambia
- Elsewedy Transformers – Algeria
- Elsewedy Electric – Nigeria.

Our plants are fully furnished with state-of-the-art equipment managed by highly skilled engineers and technicians who ensure that every process, from design to dispatch, adheres to our quality benchmarks and international standards. As of 2017, production capacity is at 10,000 MVA per year.

Elsewedy Transformers offers products through the following divisions:

- Power Transformers
- Oil-immersed Transformers
- Cast-resin Dry Transformers
- Installation, Testing, Training, and Maintenance.⁴

⁴ See pages 24-25 of Elsewedy Electric Profile 2017 for service specifications, standards, and further details.

Turnkey Solutions

Elsewedy Electric’s turnkey solutions segment delivers power-station and electric-generating technologies and assets and technologies for transmission and distribution networks on an engineering, procurement, and construction basis (EPC).

We focus on servicing the power sector with strong capabilities that extend to large and complex industrial, commercial, and infrastructure projects. We offer superior turnkey solutions via the following business lines:

- Elsewedy Electric PSP (power generation)
- Elsewedy Electric T&D (power transmission and distribution)
- Elsewedy Cables (high-voltage and OPGW cables)
- RowadModernEngineering(constructioninfrastructure)
- Elsewedy Power (project development and renewable energy)
- 3W Networks (telecommunications solutions)
- Elsewedy Development (industrial development).

Our capabilities across the project life cycle include:

- Engineering, procurement, and construction (EPC)
- Development and investment
- Financial solutions
- Project services, including feasibility studies, commissioning, etc.
- Operation, management, and maintenance.

Our track record demonstrates our priority to delivering safe, timely, and high-quality solutions at competitive prices, regardless of a project’s conditions or deadlines. This has allowed us to be a leading player in EPC activities across the Middle East and Africa.

Turnkey Solutions: Elsewedy Electric Power Systems Projects

Our Power System Projects (PSP) business line is considered to be a major emerging EPC contractor with extensive experience in power generation and high-voltage (HV) sub-station projects. When we first acquired PSP, its revenues made up only 5% of Group revenues; this contribution has increased more than 500% over the past five years. Elsewedy PSP provides engineering, procurement, and construction services through our multi-faceted full-time project management services, including engineering, procurement, construction (electrical and mechanical), commissioning (testing and commissioning), and project support services.⁵ The sectors we serve are power, industrial, infrastructure, and utilities.

⁵ See pages 32-33 of Elsewedy Electric Profile 2017 for service specifications, standards, and further details.



Turnkey Solutions: Elsewedy Electric Transmission and Distribution

Our Transmission and Distribution segment handles the design, engineering, and procurement for electrical power transmission and distribution projects, including management of installation activities, on a turnkey basis. We aspire to be a global leader in providing safe and environmentally friendly energy solutions to the growing infrastructure needs of our clients across the Middle East and Africa. Through our integrated energy solutions, we serve the complete value chain of the energy sector, from power generation to transmission and distribution. In 2017, five of our projects provided employment opportunities to a total of 1,335 Egyptian workers, who gained valuable experience and skills, upholding our group-wide goal of expanding employment opportunities for Egyptians.

Our work encompasses the following:

- Mobile turbines
- Renewable energy (wind and solar)
- Overhead transmission lines
- Distribution networks
- Sub-stations.⁶

Our T&D segment covers all phases of building electrical lines and substations:

1. Selection of the technology and routes
2. Functional description of equipment adapted to needs
3. Design and engineering studies
4. Construction and project management
5. Testing, commissioning, and handover.

The sectors we serve are:

1. Power (transmission and distribution)
2. Utilities
3. Infrastructure.

⁶ See pages 34-35 of the Elsewedy Electric Profile 2017 for a full list of service specifications and details.

Turnkey Solutions: High Voltage and OPGW Cables Solutions Elsewedy Cables

Elsewedy Cables holds 97% of the Egyptian market and serves the Middle East and North Africa (MENA) region, including the Gulf, Turkey, and select Asian countries. We supply and install high-voltage and optical ground wire (OPGW) cables across the globe. With an annual production capacity of 22,800 tons, 70% of which is to meet export demand, we are the leading cable manufacturer of HV and extra-high-voltage (EHV) cables, up to 500KV, in the Middle East. Our OPGW installation method (both off-line and live-line), which enables installations with both circuits energized, is a leading innovation in the industry, setting Elsewedy Cables apart from competitors.⁷

We offer integrated solutions for power transmission, power generation, EHV sub-stations, and infrastructure projects through the engineering, procurement, and commissioning stages.

Turnkey Solutions: ROWAD Modern Engineering, RME

ROWAD Modern Engineering is one of Egypt's most reputable contractors with a growing business in Algeria, Chad, and Mozambique. Through our partnerships with major international civil engineering and specialist contractors, we undertake multidisciplinary projects of large scale and high complexity, delivering to the highest standards, error-free. Our customer satisfaction program serves as our guiding reference, guaranteeing our quality and ensuring that we deliver beyond the markets' requirements.

We offer our services in the following areas of:

- Infrastructure
- Industrial and power
- Commercial and specialized buildings
- Monument restoration and structural repair
- Reinforced earth systems.⁸

We serve the following sectors:

- Infrastructure
- Industrial
- Power
- Commercial.

⁷ See page 37 of the Elsewedy Electric Profile 2017 for a full list of service specifications and details

⁸ See pages 38-39 of Elsewedy Electric Profile 2017 for a full list of service specifications and details

Turnkey Solutions: Elsewedy Power

Elsewedy Power develops, designs, builds, owns, and operates assets in the power industry, both in power generation and in transmission and distribution. In cooperation with experienced developers, EPC contractors, and equipment suppliers, we provide outsourced corporate capabilities and expertise, focusing on clients in emerging and growing markets where Elsewedy Electric Group is already established.

Our solutions focus on:

- Transmission and distribution projects
- Rural electrification projects
- Independent power projects.

We offer and implement solutions through:

- Long-term structured financing
- Deferred payment options (with tenures up to 10 years)
- Public-Private Partnership (PPP) formulas, such as Build-Own-Operate-Transfer(BOO/BOOT)and Build-Lease-Transfer (BLT/BL).

Elsewedy Power recognizes the importance of investing in renewable energy, as well as the growing market it represents. Our Renewable Energy segment, established in 2008, provides wind and solar energy solutions across Sub-Saharan Africa, MENA, and Eastern Europe. We believe that circulated energy mixes offer strategic diversification. Relying solely on renewables is not optimal because they are intermittent energy sources, but adding renewables to the energy mix saves energy, cuts down on emissions, and improves environmental sustainability.

Via our diverse product portfolio, companies across the Group cooperate to provide specialized and complete services to the wind and solar energy markets.⁹

We serve the following sectors in Sub-Saharan Africa, the MENA region, and Eastern Europe:

- Power
- Renewable energy.

Turnkey Solutions: 3W Networks

Elsewedy Electric offers telecommunication solutions through 3W Networks, a world-class telecom and security systems integrator operating in the Middle East, Africa, and Asia Pacific. We focus on providing integrated communication solutions to oil and gas companies, power utilities, telecom operators, and transport and infrastructure companies, offering a full range of

⁹ See page 40 of the Elsewedy Electric Profile 2017.

complete turnkey and fully integrated solutions.

We offer our clients:

- Flexible solutions for the oil and gas industry
- Reliable solutions for the power utilities industry
- Cost-effective and flexible solutions for the transport sector
- End-to-end delivery of solutions for the telecommunication industry
- Advancing solutions to the commercial sector.

Our products and services include:

- Consulting and telecom front-end engineering design (FEED)
- Detailed design and engineering
- Project management
- System integration and factory acceptance testing (FAT)
- Installation and integrated system testing and training
- Support, operation, and maintenance.

Long-standing technological partnerships with leading equipment manufacturers, including Cisco, Huawei, GE Digital Energy, Schneider, Amphenol Telect, DNWP, and Bosch & Ericsson, allow us to provide "best-fit" solutions to our customers.

Our solutions cover the following:

- Physical security systems
- Connectivity solutions
- Radio systems
- Communication and fiberoptic backbone
- ELV systems
- Network systems
- Cyber security systems.¹⁰

We serve the following sectors:

- Oil and gas
- Power and water utilities
- Transport
- Telecom operators
- Commercial.

Turnkey Solutions: Elsewedy Development

Elsewedy Electric believes in community development and understands the role of the private sector in sustainability. Through Elsewedy Development, we serve our society in an efficient and responsible manner, offering development solutions through two companies, Pyramids Industrial Parks (industrial) and Elsewedy Logistics Properties (logistics).

¹⁰ See pages 42-43 in Elsewedy Electric Profile 2017 for full solution specifications and details.

Pyramids Industrial Parks

Pyramids Industrial Parks (PIP) is Egypt's leading master industrial developer with a current land bank of 5 million square meters. Our specialized partners include Elsewedy Electric, SIAC Holding, elCONSORCI de la Zona Franca Barcelona, General Authority for Investments (GAFI), Industrial Development Authority, and Al Oula Real Estate Development. Through these partnerships, we have developed three industrial parks:

- Industria West
- Industria East
- Al Oula.

All industrial parks include clusters for food processing, engineering, textiles, building materials, other clean industries, and logistics. PIP's industrial parks provide the following utilities:

- Irrigation tanks
- Drainage and irrigation networks
- Natural gas networks
- Water tanks
- Surveillance cameras
- Distributors rooms
- Domestic water networks and fire fighting
- Communication networks
- Electricity networks
- Street lighting
- Road networks
- Water treatment stations.

So far, EGP 4 billion, in both foreign and local direct investments, has been committed to our projects in 10th Ramadan and 6th October City.¹¹

Elsewedy Logistics Properties

Elsewedy Logistics Properties (SLP) was established in 2017 as a direct result of our success with PIP and Al Oula Industrial Parks Development. SLP aims to be the leading company in the Middle East and Africa in the field of logistical properties and adjacent specialized logistics solutions.

SLP One is the company's first state-of-the art logistical property with 14,000 square meters of warehouse space, managed by DB Schenker Egypt with whom we have joint development plans for innovative and sizable logistics assets across Egypt, the Middle East, and Africa.

¹¹ Visit www.piparks.com for more information on our industrial parks and full service specifications.

Industry Innovation

Esewedy Electric aims to shape the future of integrated energy solutions. As such, research and development plays a key role in all our operations, business lines, and companies.

Research and Development

Our R&D department is located mainly at our subsidiary Iskraemeco, Slovenia, where more than 100 electrical engineers work on innovating our products, raising standards, and developing sustainable integrated energy solutions for our clients. R&D is a vital aspect of our business and 15% of Iskraemeco revenues worldwide are reinvested in the R&D department.

Product Innovations

All of our companies, business lines, and turnkey solution groups work to ensure that our products and services meet the highest standards for quality, safety, and consumer satisfaction. All companies have quality assurance departments that work on improving product life-cycle, sustainability, environmental friendliness, and safety specifications.

At Esewedy Transformers, our transformers offer customers more than 50 years of durability.

Our solar-photovoltaic cables meet the most stringent industry standards using high-grade materials that support our minimum product lifetime of 25 years.

Our cables are flame retardant, impact resistant, extreme-temperature resistant, water resistant, abrasion resistant, high tear resistant, ultraviolet radiation resistant, ozone resistant, oil and hydro resistant,

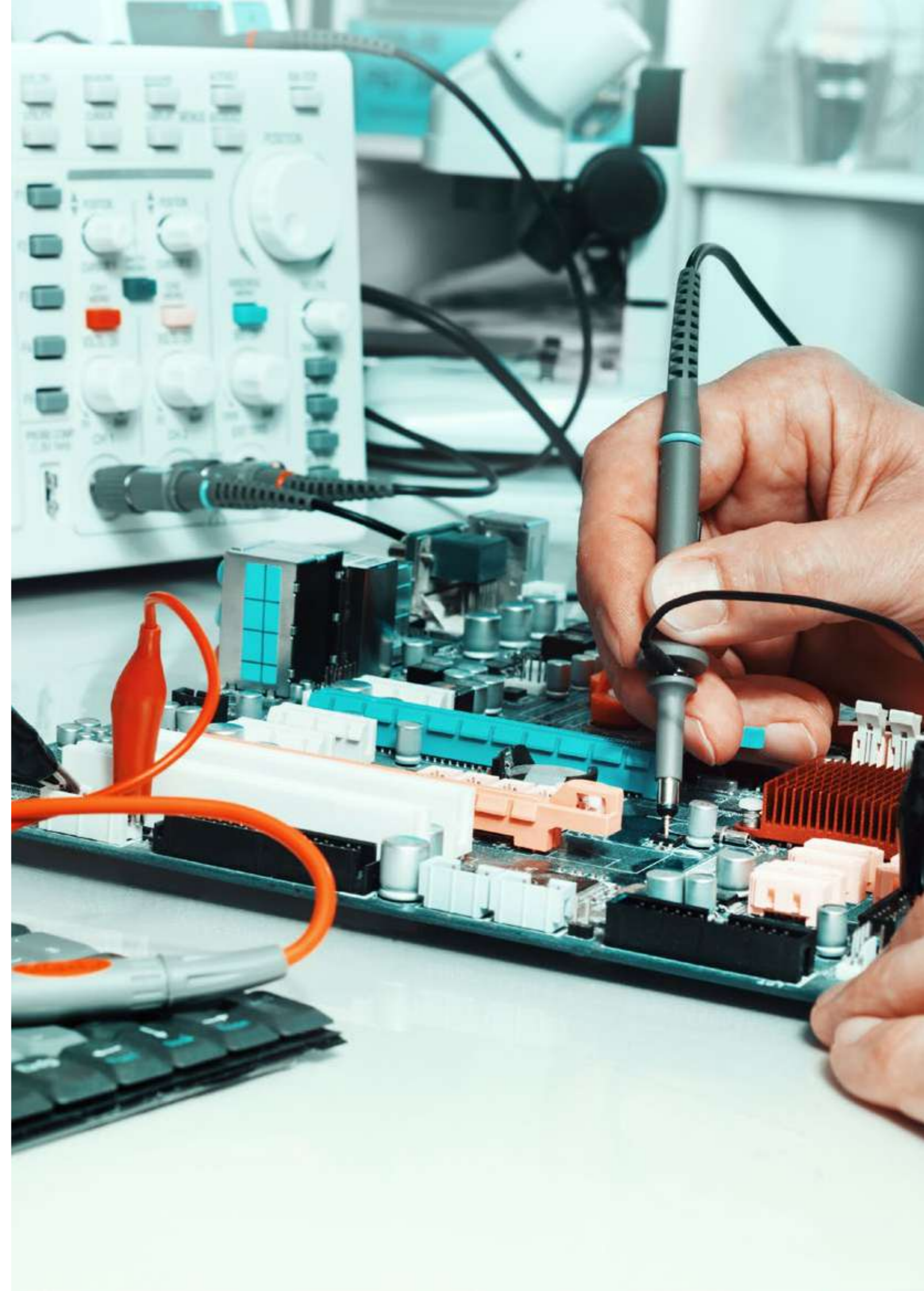
environmentally friendly halogen free and low corrosive gas emitting in accordance with International Electrotechnical Commission (IEC) standards.

Several measures protect our brand equity and the reputation of our products in the market and differentiate genuine Esewedy products from copies. Our trademark color-coding of our cables prevents them from being copied and makes them easy to identify by our quality control department. All cables also have standardized weight specifications to set them apart from counterfeit products.

To minimize theft and design fraud, Esewedy SEDCO's engineers customize the designs of our systems, adding new features and looking for ways to renew our products and increase production. All engineers around the globe attend regular training workshops to stay current with the industry developments.

Esewedy Technical Academy (STA) is a licensed International Computer Driving License (ICDL) training centre. Our internal IT department helps design courses and programs for the academy and successful courses are made available to our buyers, providing revenue that allows STA to remain financially independent.





Through ECMEI, we produced the first 500 KV polymer insulator on the Egyptian market. Our insulators are the result of more than 15 years of research and development.











**Focusing on
Sustainability**








Progress on the United Nations' Sustainable Development Goals

Sustainable Development Goal	Actions Taken
SDG 1 - Eliminate Poverty 	<ul style="list-style-type: none"> • Elsewedy Electric provides employment opportunities.
SDG 2 - Zero Hunger 	<ul style="list-style-type: none"> • Elsewedy Electric provides catering services across its group of companies • Elsewedy Electric provides meals at STA and its other educational institutes • Elsewedy Electric provides food boxes during Ramadan.
SDG 3 - Good Health and Wellbeing 	<ul style="list-style-type: none"> • Elsewedy Electric provides medical benefits to its employees • Elsewedy Electric covers the costs of medical procedures for the community through its humanitarian fund • Elsewedy Electric pays for medical check-ups for contract laborers • Elsewedy Electric promotes physical activity through seminars, lectures, workshops, sports days, and athletic classes • Elsewedy Electric provides specialized chairs, desks, and equipment to employees and students to minimize health issues • Elsewedy Electric establishes and supports medical institutes.
SDG 4 - Quality Education 	<ul style="list-style-type: none"> • Elsewedy Electric built STA • Elsewedy Electric funds, renovates, and builds schools across Egypt and Africa • Elsewedy Electric's CSR department emails employees globally to raise awareness on sustainability.

Sustainable Development Goal	Actions Taken
SDG 5 - Gender Equality 	<ul style="list-style-type: none"> • Elsewedy Electric has an Ethics and Business Code of Conduct • Elsewedy Electric has a police of zero harassment • Elsewedy Electric practices gender-fair hiring.
SDG 6 - Clean Water and Sanitation 	<ul style="list-style-type: none"> • Elsewedy Electric provides bottled water to laborers • Elsewedy Electric offers water treatment services and tanks at industrial parks • Elsewedy Electric provides shower facilities at project sites.
SDG 7 - Affordable and Clean Energy 	<ul style="list-style-type: none"> • Elsewedy Electric uses solar and wind energy • Elsewedy Electric uses LED lights in all its facilities • Elsewedy Electric offers alternative solutions for power generation.
SDG 8 - Decent Work and Economic Growth 	<ul style="list-style-type: none"> • Elsewedy Electric offers competitive salaries • Elsewedy Electric has a range of employee benefits • Elsewedy Electric offers career development programs.

Sustainable Development Goal	Actions Taken
SDG 9 - Industry, Innovation, and Infrastructure 	<ul style="list-style-type: none"> • Elsewedy Electric created a STA technical training program • Elsewedy Electric innovates through product research and development • Elsewedy Electric offers top-of-the-line turnkey solutions to clients • Elsewedy Electric deploys innovative IT technologies.
SDG 10 - Reduced Inequalities 	<ul style="list-style-type: none"> • Elsewedy Electric has fair hiring practices • Elsewedy Electric offers trainings for women through the Elsewedy Friends Club.
SDG 11 - Sustainable Cities and Communities 	<ul style="list-style-type: none"> • Elsewedy Electric has industrial parks • Elsewedy Electric provides EPC contracts • Elsewedy Electric provides turnkey solutions • Elsewedy Electric engages in widespread CSR activities across Egypt and in all areas of operation.
SDG 12 - Responsible Consumption and Production 	<ul style="list-style-type: none"> • Elsewedy Electric practices proper waste management • Elsewedy Electric implements efficiency programs to reduce energy costs • Elsewedy Electric ensures the recyclability of products across business lines • Elsewedy Electric ensures raw materials are sourced responsibly • Elsewedy Electric screens its supply chain for standards compliance and adherence to laws and regulations • Elsewedy Electric sends regular CSR sustainability emails to employees on proper resource consumption (water, electricity, etc.).

Sustainable Development Goal	Actions Taken
SDG 13 - Climate Action 	<ul style="list-style-type: none"> • Elsewedy Electric provides renewable energy services • Elsewedy Electric offers employees bus transportation • Elsewedy Electric sends regular CSR sustainability emails to employees on climate action.
SDG 14 - Life Below Water 	<ul style="list-style-type: none"> • Elsewedy Electric has proper water management policies • Elsewedy Electric practices proper waste treatment • Elsewedy Electric participates in the cleanup of the Nile River at Beni Suef Combined Cycle Power Plant (CCPP) • Elsewedy Electric adheres to all environmental authority regulations • Elsewedy Electric practices proper E-waste management.
SDG 15 - Life on Land 	<ul style="list-style-type: none"> • Elsewedy Electric engages in tree planting at the Beni Suef CCPP • Elsewedy Electric minimizes paper consumption • Elsewedy Electric recycles waste • Elsewedy Electric adheres to environmental laws and regulations • Elsewedy Electric implements relevant carbon footprint reduction policies.
SDG 16 - Peace, Justice and Strong Institutions 	<ul style="list-style-type: none"> • Elsewedy Electric adheres to international management systems • Elsewedy Electric holds numerous ISO certifications • Elsewedy Electric has a strong corporate governance structure • Elsewedy Electric builds partnerships with relevant stakeholders.
SDG 17 - Partnership for the Goals 	<ul style="list-style-type: none"> • Elsewedy Electric establishes valuable NGO partnerships • Elsewedy Electric partners with government • Elsewedy Electric has international partnerships • Elsewedy Electric is a member of the United Nations Global Compact Network Egypt.

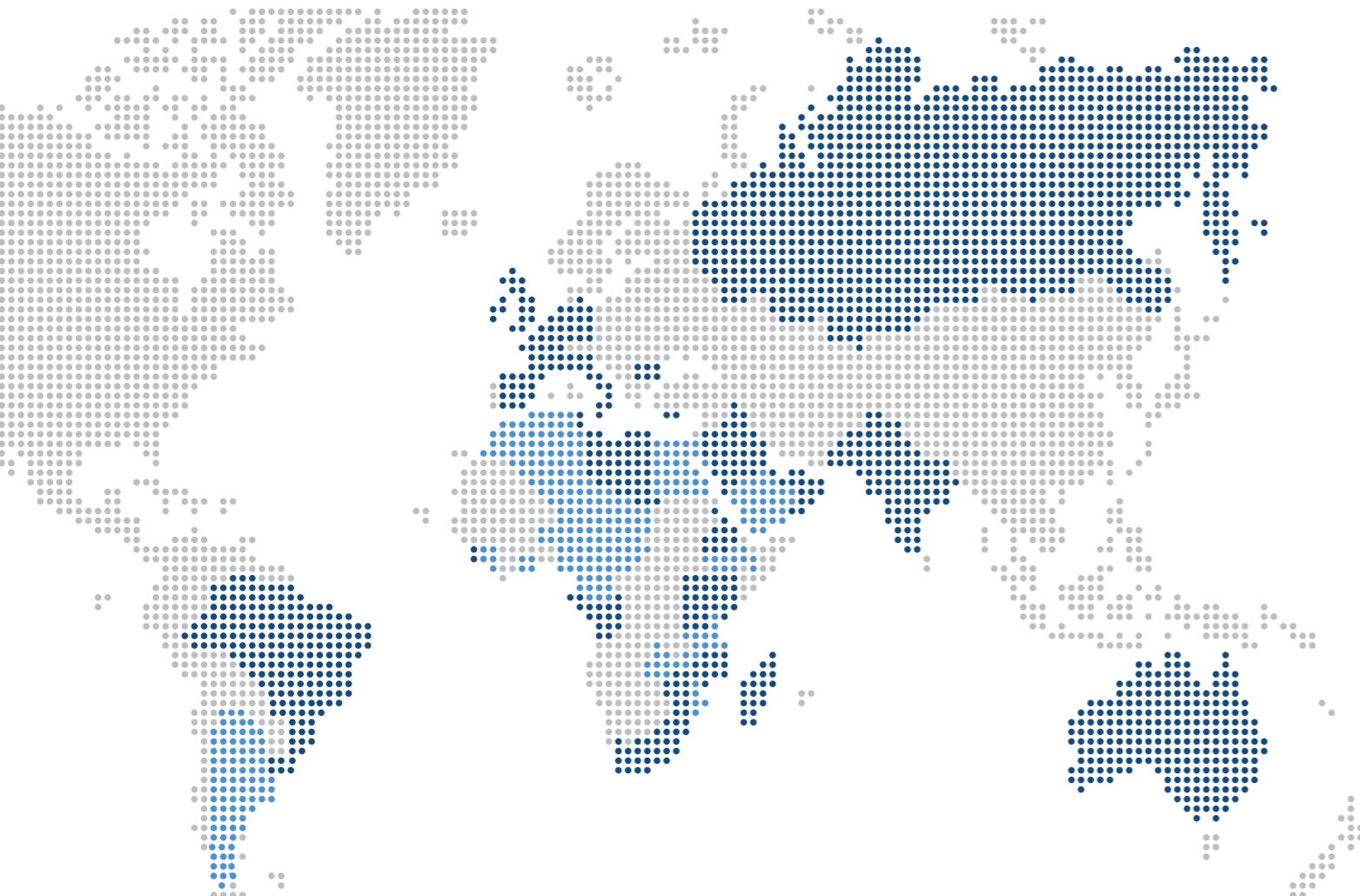
**Serving our
Customers**



Our Customers

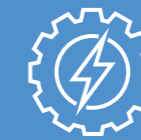
At Elsewedy Electric, our customers' satisfaction drives our strategy in all our operations, functions, and roles. We want to provide our clients with the very best integrated energy solutions, ensuring quality, efficiency, and timeliness for every service we offer.

We boast a client list that spans energy, telecom, technology, and other industries, both global and regional. As a result, our product marketing adheres to all local laws and upholds the integrity and reputation of our global brand.



Our Main Export Markets:

- Austria
- Bahrain
- Belgium
- Brazil
- Bulgaria
- Congo
- Democratic Republic of Congo
- Cyprus
- Equatorial Guinea
- Ethiopia
- Eritrea
- Finland
- France
- Germany
- India
- Iraq
- Italy
- Jordan
- Kazakhstan
- Kenya
- Kuwait
- Libya
- Madagascar
- Malawi
- Morocco
- Mozambique
- Oman
- Pakistan
- The Netherlands
- Qatar
- Russia
- Rwanda
- Saudi Arabia
- South Africa
- Spain
- Tunisia
- UAE
- Uganda
- United Kingdom
- Uruguay
- Zimbabwe



Our Clients for Engineering and Contracting Services from:

- Algeria
- Argentina
- Chad
- Cameroon
- Egypt
- Equatorial Guinea
- Ethiopia
- Iraq
- Ghana
- Mozambique
- Niger
- Nigeria
- Rwanda
- Saudi Arabia
- UAE
- Yemen
- Zambia

Quality



Customer Satisfaction Surveys

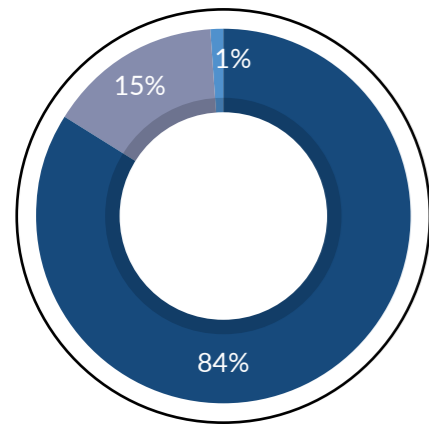
To properly assess customer satisfaction, we conduct yearly surveys across our business lines, products, and solutions that measure the quality of services provided and the extent to which the clients' needs are met. Based on the results of these surveys, we

identify ways to improve our products and enhance our business lines overall. Areas that need improvement are given special attention. Through Elsewedy Electric SEDCO, we conducted a customer satisfaction analysis survey from January to November 2017.

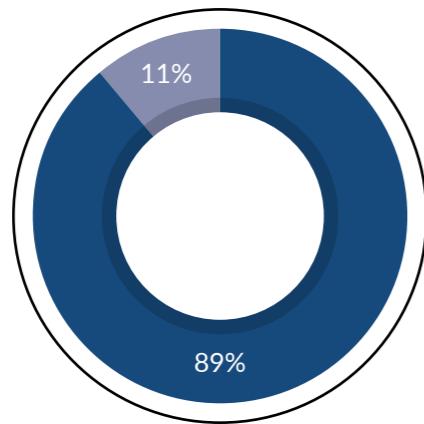
Customer Satisfaction Survey ELSEWEDY SEDCO 2017

Topic Covered	Rating				Total
	Excellent	Good	Fair	Unsatisfied	
Quality	171	31	2	0	204
Technical Performance	151	19	0	0	170
Price	68	31	2	1	102
Reliability	79	23	0	0	102
Total	469	104	4	1	578

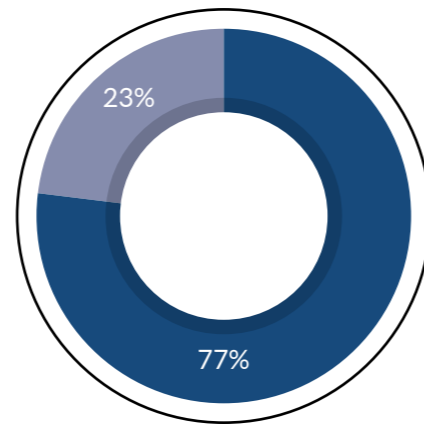
Product Quality Satisfaction Rate



Technology Support, Service, and Performance Satisfaction Rate



SEDCO Reliability Satisfaction Rate



● Excellent ● Good ● Fair ● Unsatisfied

Customer Data and Privacy

At Elsewedy Electric, protecting customer data and privacy is a top priority and we have yet to experience a data breach or loss. Our IT system segregates data and implements controls that categorize and review data sent internally and from overseas for spyware

and viruses. Key system behaviors and triggers are closely monitored, allowing for further investigation when needed. One data security violation was quickly resolved with no loss of data and complete system recovery.



**Supporting Our
People**



Raising the Bar for Employment



Our People

At Elsewedy Electric, we pride ourselves in being an employer of choice. We recognise the importance of nurturing talent internally and value all who are members of the Elsewedy family. Success across our group is built on the experience, efforts, and skills of all our employees. While our brand and reputation allow us to attract highly qualified and capable individuals, our long-term growth depends on our ability to develop and enhance our staff's careers, as much as it does on good human resources practices and comprehensive benefits.

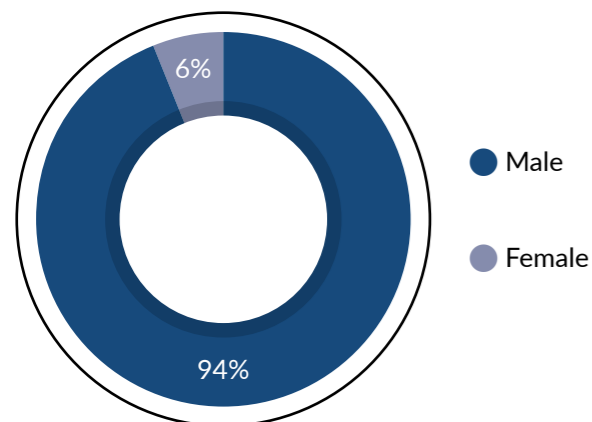
Our Employees

Elsewedy Electric is committed to equal employment and advancement opportunities. We provide job opportunities for individuals of all backgrounds, understand the value of gender diversity in the workforce, and have zero tolerance for discrimination based on gender, ethnicity, or religion. All employees are hired within a clear policy framework that respects local laws and regulations. Given that workers in our industry are predominantly male, we encourage employment opportunities for qualified women wherever possible. This approach applies equally to management and executive positions. We offer a competitive salary based on local markets where we operate.

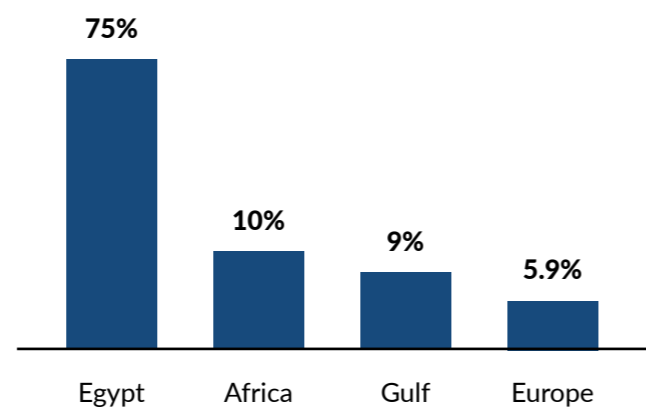
Total Number of Employees in 2017, Categorized by Gender and Contract Type

Employee Category	Number of Employees	Total Number of Employees	Total Number of Internal Employees
Women	780		
Permanent	13,002	23,095	15,062
Outsourced	8,033		
Newly Hired	1,280		

Headcount by Gender in 2017



Headcount by Region 2017



Headcount by Company

Sector	Company	2016	2017
Wires and Cables	Elsewedy Cables Algeria	593	588
	Doha Cables	355	362
	UEIC	916	917
	Egytech	2,162	2,157
	United Metals	165	160
	EgyPlast	664	669
	Elsewedy Cables Ethiopia	164	161
	Giad Elsewedy - Sudan	193	192
	Elsewedy Cables KSA	406	371
Transformers	Elsewedy Transformers Egypt	691	773
	Elsewedy Transformers Zambia	95	98
	Sudatraf - Sudan	197	152
Construction	Elsewedy Cables Qatar	180	194
	Elsewedy Electric PSP	1,420	1,437
	Rowad Modern Engineering	867	969
	Elsewedy Electric T&D	479	543
	PI Park	55	63
Electrical Products	Elsewedy Cables Kuwait	71	84
	Elsewedy Electric SEDCO for Petroleum Services and Elastimold	615	641
	Iskraemeco Egypt	220	257
	Iskraemeco SA	744	741
	ECMEI	282	307
Others	3W Network	123	106
	Siag	15	28
	Arab Company for Security	609	624
	Elsewedy Electric International	24	18
	Elsewedy Electric Holding	175	232

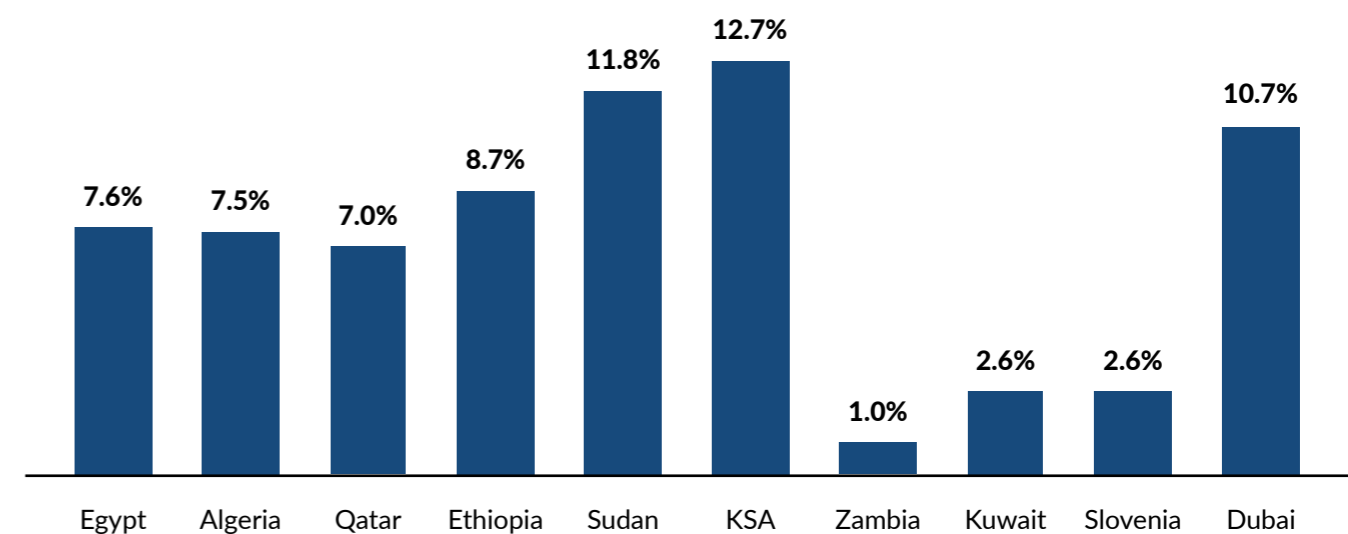
Headcount by Business Sector

Company	2016	2017
Wires and Cables	5,618	5,577
Transformers	984	1,024
Construction	3,072	3,290
Electrical Products	1,861	1,917
Others	1,204	1,194
Total	12,739	13,002

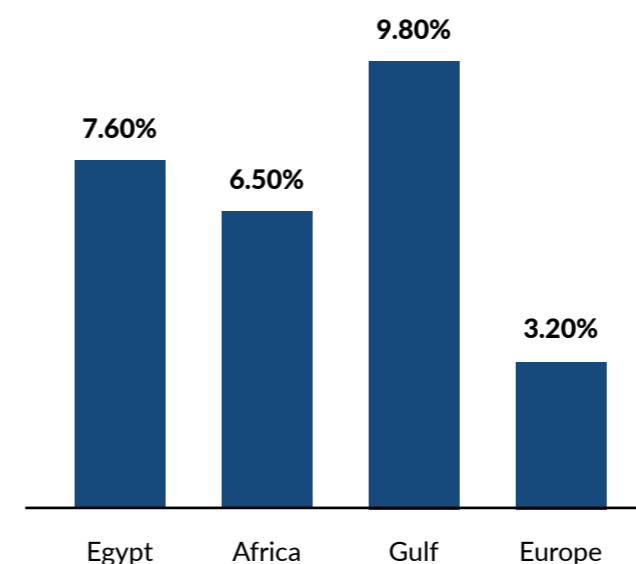
Hiring Rate by Employee Type and Business Sector in 2017

Sector	Blue Collars	Staff	Managers/Directors	Total	Percentage
Wires and Cables	130	65	6	201	18 %
Transformers	98	20	2	120	9 %
Construction	169	424	27	620	42 %
Electrical Products	61	40	3	104	9 %
Others	182	39	14	235	22 %
Total	640	588	52	1,280	

Turnover by Country in 2017



Turnover by Region in 2017



Turnover by Employee Type, as a Percentage of Group Turnover in 2017

Sector	Blue Collars
Employee Type	Percentage of Turnover
Blue Collars	4.4%
Staff	2.6%
Managers/Directors	0.4%



Employee Relations

Our goal is to create an environment where all employees can experience personal development and are treated equally, with dignity and respect regardless of their gender, position, or department. Employees receive handbooks that explain the Group's Ethics and Business Code of Conduct, as well as our Core Competency Development Guide, which clearly states the expected behavior and cultural mindset we hope to nurture.

An open and honest relationship between employees and managers is the best way to foster trust, understanding, and respect among employees. Our open door policy and complaints hotline ensure that employees feel able to discuss any internal concerns with the management team.

Human Resources Policies

Our human resources department has clear policies for:

- Sick leave
- Employee benefits (including social insurance)
- Employee end of service
- Employee medical care (including medical insurance)
- Overseas travel

These policies adhere to local laws in the countries where we operate, and more importantly, recognize the value of the people who make Elsewedy Electric the success that it is.

Facilities and Employee Services

All employees have access to facilities that meet their needs for decent living standards, quality health care, and recreational activities.

Catering

Catering services at all our factories and manufacturing plants provide hot meals and bottled water for all laborers. For on-site projects, such as Beni Suef CCPP, we provide pre-packaged lunchboxes and individual water bottles. Employees working where catered meals are not provided receive a food allowance. Catering suppliers undergo reviews for medical certificates, blood checks, and Health and Safety Executive-related (HSE) certifications and standards.

Iskraemeco in Slovenia provides hot meals with a daily menu of four choices that caters to vegetarian and other dietary requirements.

EgyPlast in Egypt provides a catered breakfast at the on-site canteen in addition to packed lunchboxes and beverages for employees to enjoy throughout the day.

Our corporate offices are fitted with water dispensers on every floor and full self-catering kitchens (including fridges and microwave ovens), and are located close to restaurants able to deliver.

Recreational Facilities

Given our large workforce, investing in our employee's general health and wellbeing is important.

At Iskraemeco in Slovenia, free spinning classes and tennis and badminton amenities are offered to employees.

At our companies in Iraq, Yemen, Syria, and other conflict-affected areas where employees are not permitted to leave the project sites, we offer a full range of on-site activities, including recreational rooms, basketball courts, football pitches, and fully equipped gyms.

Our power plant in Beni Suef provides a full gym, with shower and locker-room facilities, as well as sleeping areas and an onsite canteen.

Organizational Talent Management

At Elsewedy Electric, we prefer using the term "talent acquisition" rather than "hiring." For us, when we hire a new employee we are adding to our pool of talent. New talent needs to be integrated into the organization and once an employee joins the Elsewedy Electric group, he or she sets out on the journey of a life-long career. As a result, we focus on both promoting and hiring for new job positions internally.

Competency Development Guide

Our Competency Development Guide sets out the behaviors, skills, and knowledge we expect of all employees. This collection of competencies and practices

is designed to ensure successful job performance and the Group's continued success at a global level. It is based on Elsewedy Electric's vision, core values, and corporate strategy.

The Competency Development Guide lists 9 competencies (5 core and 4 leadership) that we expect all employees to work towards.

Core competencies are:

- Result orientation
- Communication
- Innovation
- Customer focus
- Team work.

Leadership competencies are:

- Strategic thinking
- Managing change
- Decision making
- Delegation.

Staff Training

We conduct frequent management development programs and skillset-enhancing training sessions across the Group. In 2017, 6,328 employees were trained through various programs.



Staff Training Programs by Employee Level

Employee Level	Program Name
Top Executives (General Managers, Managing Directors, VPs)	LEAD NOW
Executives (Managers, SeniorManagers,Directors)	Leading with Style
First Line Supervisors (Section Heads, Section Managers, Senior Specialists, Senior Engineers)	Supervisory Leadership
Non-Supervisory (Specialists, Engineers)	Personal Effective Simulation
Supervisors and Technicians	Technical Supervisory
Technicians	Professional Skills



Our training programs for functional roles cover topics such as:

- Preventative maintenance
- Mechanical and electrical maintenance
- Production
- Quality
- Health and safety
- Supply-chain and procurement management
- Information technology¹²

All new talent undergoes orientation training that introduces them to the Group’s structure, key departments, the Ethics and Business Code of Conduct, our zero-tolerance harassment policy, the Competency Development Guide, and compliance and audit roles and policies. Employees in Egypt also have the opportunity to visit several of our factories, such as EgyPlast, Iskraemeco Egypt, Elsewedy Electric Cables, and Elsewedy Electric Transformers.

Performance Reviews

All employees receive annual performance reviews in the following areas:

- Instruction compliance
- Communication skills
- Teamwork spirit
- Safety awareness
- General attitude and commitment.

Specific goals are also considered, as are the nine competencies from the Competency Development Guide. These serve as a reference guide for the indicators on which employees are assessed. Employees are assessed on the following scale:

- New learner
- Basic
- Proficient
- Advanced
- Expert.

Employees are also evaluated on their adherence to safety specifications, policies, and standards.

¹² In addition to this, whenever the IT department introduces a new program, software or technology, all employees undergo comprehensive training on how to use these additions

Health and Safety

As a business that operates in the manufacturing sector, we set a high priority on health and safety across our group of companies. A safe and healthy workplace is a key business imperative. Our corporate HSE policy reflects our belief that our employees are our most

important asset. Its guidelines ensure safe and productive workplaces across the Group by minimizing the risk of accidents, injury, and exposure to health hazards for all employees and subcontractors.

The Four Pillars Our HSE Policy Is Structured On:





Across the Group, all employees are reminded through our health and safety booklet, newsletters, and signs placed around the workplace to:

- Take active breaks (3x5 minutes)
- Engage in physical activity
- Ensure proper seating posture¹³
- Ensure proper viewing distance from computer screens
- Ensure proper usage of keyboard and mouse
- Ensure proper lifting of heavy loads
- Use assigned places only for smoking (failure to comply results in fines, with repeat offenders having additional penalties)
- Ensure proper use of Personal Protection Equipment (PPE) for handling carbon within factories (Elsewedy SEDCO).

- Weekly running, workout, and yoga activities with Olympic athlete, Brigita Langerholc
- Joining a Taiji meditative movement course through the local TaijiQuan organization
- Joining recreational sport competitions, for which Iskraemeco pays the participation fees
- Attending the semiannual Health Days, where employees receive information on specific health-related topics and gifts to promote their health, such as stress balls, and healthy food, such as fruits and vegetables, whole grain rolls, nuts with dried fruit, and yoghurt
- Attending preventive periodical and preliminary medical examinations conducted at the Kranj Clinic for Occupational Health, Traffic, and Sport.¹⁴ In 2016, 190 employees (101 female and 89 male) attended.

In addition to safety booklets, safety signs, and warnings displayed at all manufacturing, production, and assembly facilities, we carry out training, lectures, workshops, and seminars to ensure that all employees are well-informed.

At Iskraemeco in Slovenia, employees are encouraged to improve their health and safety through:

- Attending lectures, such as “How I can manage stress in the workplace” and “First Aid training”
- Attending workshops on how to stop smoking and how to incorporate healthy movement and diet into everyday life
- Medical check-ups and examinations, including blood work, artery checks, bone density measurements, and seasonal influenza vaccination

Employees with medical conditions confirmed by a doctor’s note are provided all necessary allowances and resources, such as posture-correcting chairs, wrist exercise toys (for carpal tunnel syndrome), and specialised computer hardware.

In 2017, our health and safety goals were zero accidents and increased training on company safety procedures and policies. This objective was met across the group, with the number of lost-time injuries (LTI) for both employees and subcontractors down by 58% in the second half of 2017 compared to the first half.

¹³ All employees working at desks are provided with special chairs that enhance back posture and support long periods of sitting.

¹⁴ Visit Iskraemeco Slovenia’s UNGC COP report at https://www.unglobalcompact.org/system/attachments/cop_2016/299221/original/COP_Iskraemeco_report_June_2016.pdf?1467965491 for additional information

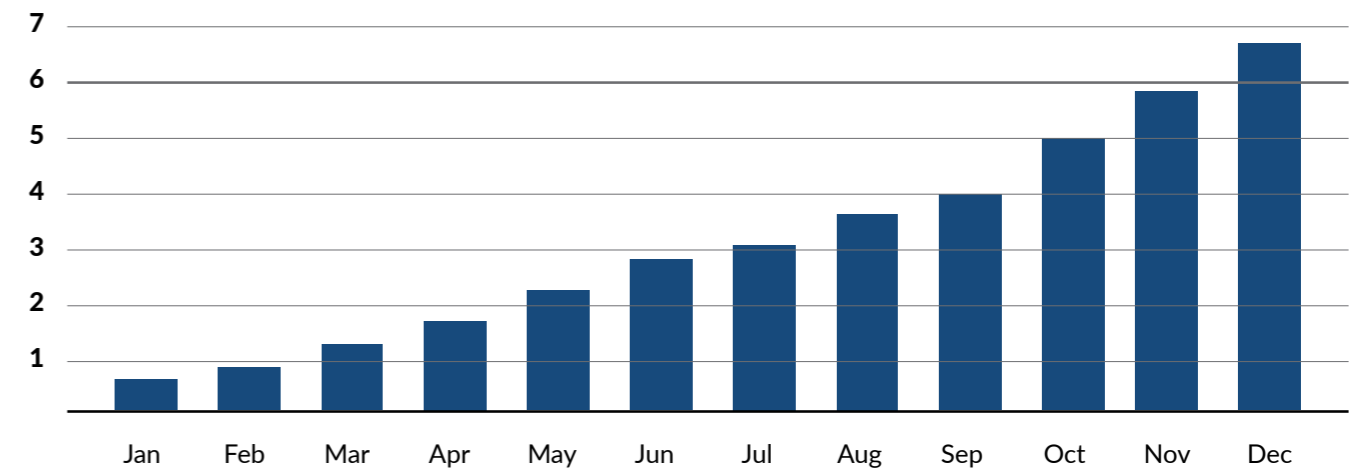
HSE Trainings

Workplace health and safety is integral to all employee training. The following HSE topics are implemented in all training programs across the Group:

- Periodic health and safety seminars for all employees
- Fire protection seminars for production workers
- First aid courses, including refresher courses
- Seminars on “How to Maintain Health and Safety at Work” for all production managers
- Lectures on occupational health and safety, as needed based on risk assessments.

Elsewedy Electric commits resources to employee training on company safety procedures across the Group, providing employees with the know-how to mitigate and control workplace hazards. In early 2017, we set a target to provide every employee at least six hours of health and safety training. This target was met by the end of the year with employees receiving an average of 6.6 hours each. All general managers and N-1 level employees additionally received “Managers safety Training,” with 16 out of the 23 companies completing the training programs.

Training Hours across the Group per Employee 2017



Employee Hazard Reporting

An employee hazard reporting program improves safety awareness by encouraging employees to report unsafe conditions and behaviors. In 2017, employees across the Group filed 10,056 hazard reports, an average of 0.8 reports per employee, and 87% of them were corrected by the end of the year. Out of these 10,056 reports, 1,387 high-risk hazards were identified and resolved.

Safe Transportation for Employees

Three accidents involving employee transportation in 2017 were identified as high-risk incidents. In response, a safe transportation policy for employees was implemented that specifies safety requirements for all vehicle, drivers, and transportation contractors.

Elsewedy Electric also undertook the following:

- Employee transportation vehicles were renewed
- A supervisor was identified for each route
- Drivers were given additional training
- Random drug-testing for drivers was introduced
- GPS tracking was installed on all vehicles used to transport employees.

Risk Assessment

Every company and organization within the Group prepares and carries out risk assessments for all its workplaces. These assessments include machinery used in production, workplace hazards, and potential industry-specific injuries. They identify risks specific to the work environment and evaluate them according to the likelihood and degree of injury, and recommend preventative measures accordingly. For every identified risk, protocols are implemented and safety manuals are produced to ensure the safety of all personnel. Risk assessments are re-evaluated whenever a change with a significant impact on the health and safety of employees occurs. Not only do we place high importance on carrying out these risk assessments, but we also focus on raising awareness among employees of occupational hazards and risks. All factories undergo a safety performance review to appraise their performance in accordance with safety standards, policies, and specifications. Management systems, such as OHSAS 18001, have been adopted to enhance and better structure our HSE practices.

Security Practices

Having faced issues with third-party security providers in the past, and the instability following the Egyptian revolution, Elsewedy Electric formed its own security company to handle security at all our companies, factories, and facilities. Our security company has all required licensing to meet all our standards and upholds our core values, ethics, and code of conduct. It conducts background checks on all new hires and secures factories and facilities from theft and fraud.

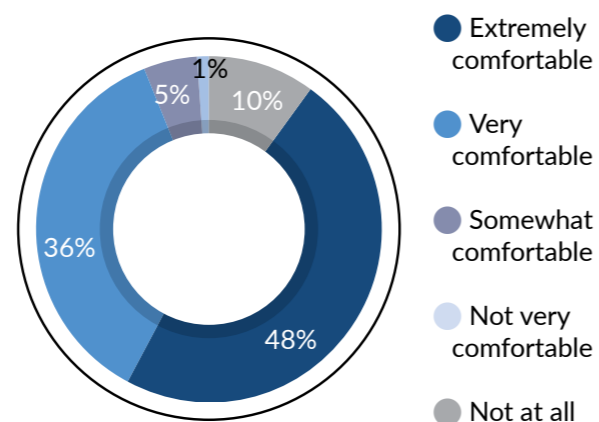
At our project sites in conflicted area such as Syria, Yemen, and Iraq, all bases are secured by local government armies, private security, police, and our own security employees.

Stakeholder Engagement

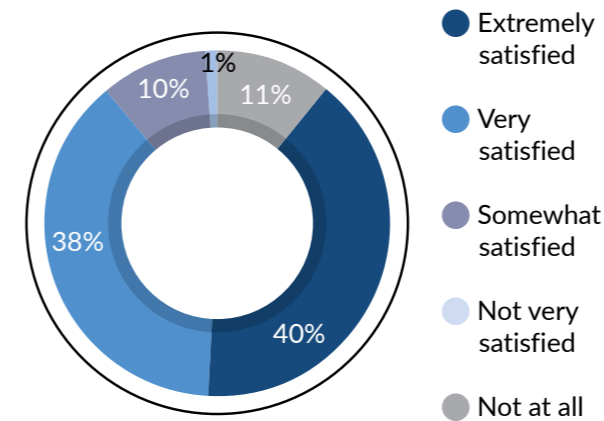
As part of our commitment to communicating with our stakeholders, we conducted surveys of our internal and external stakeholders, including employees, business partners, investors, vendors, banks, and suppliers. Two employee surveys were conducted on employee benefits and employee engagement, and two surveys of external stakeholders on customer satisfaction and brand awareness.

The findings from our employee benefits survey provided valuable insight into employees' satisfaction with working conditions and employee facilities. We received several suggestions for additional facilities and services to provide, such as parking lots for all employees, ATM machines, and self-service coffee machines.

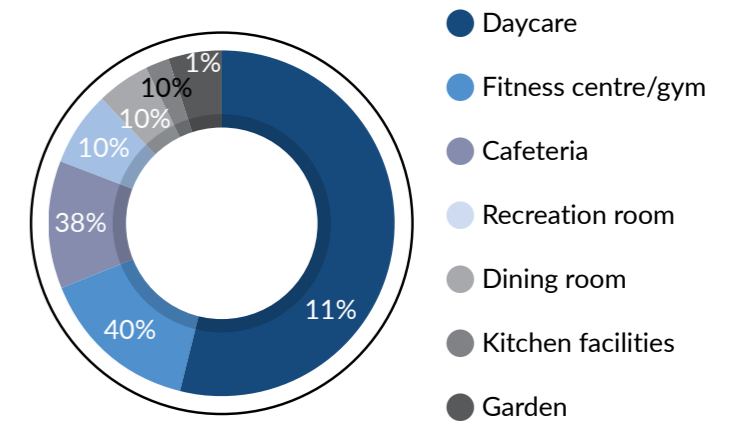
How Comfortable is Elsewedy Electric's Work Environment?



How Satisfied are you with Elsewedy Electric's Facilities?



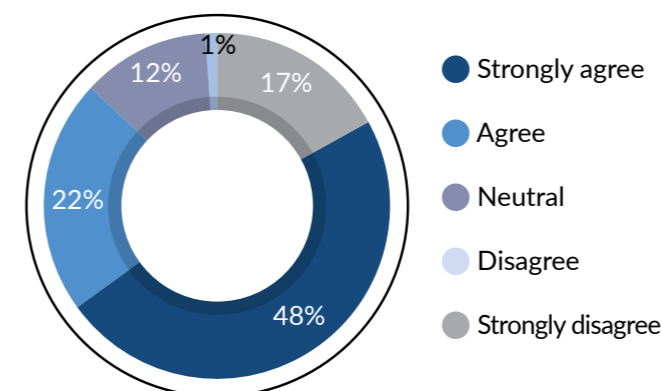
What Facilities Would you Like to Add/Have Access to?



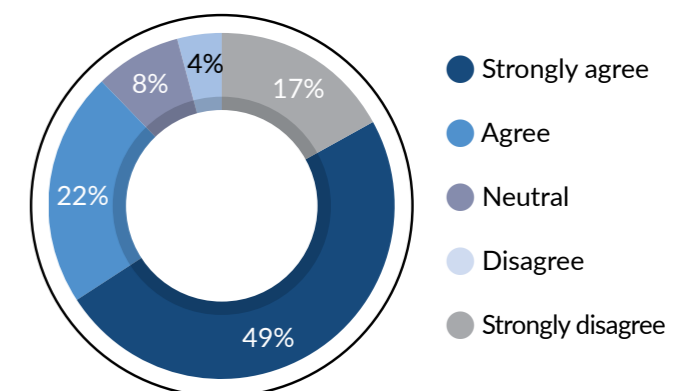
Our employee engagement survey consisted of 30 statements with which employees indicated the extent to which they agreed.



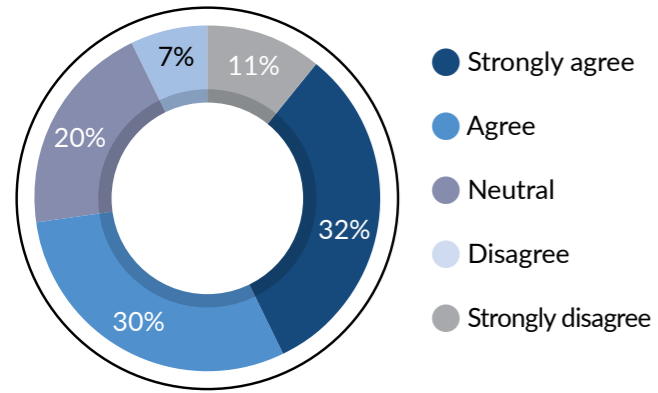
Employees are Satisfied with Opportunities for Professional Growth



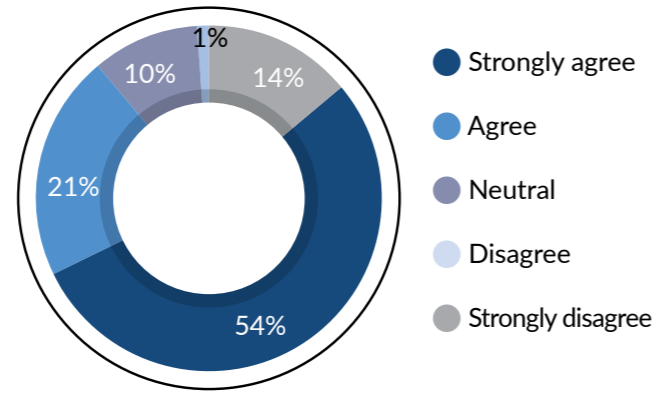
Employees are Satisfied with Job-Related Training Elsewedy Electric Offers



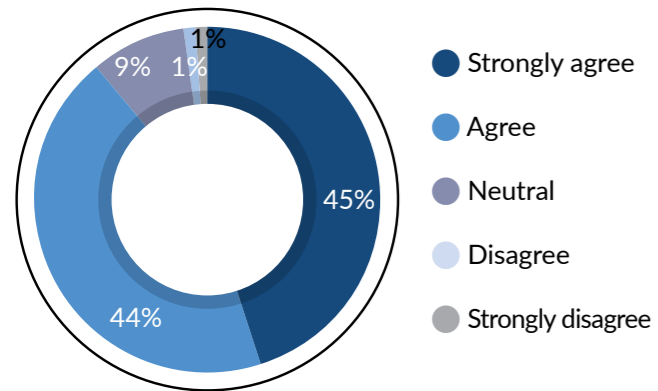
Communication Between Senior Management and Employees is Good



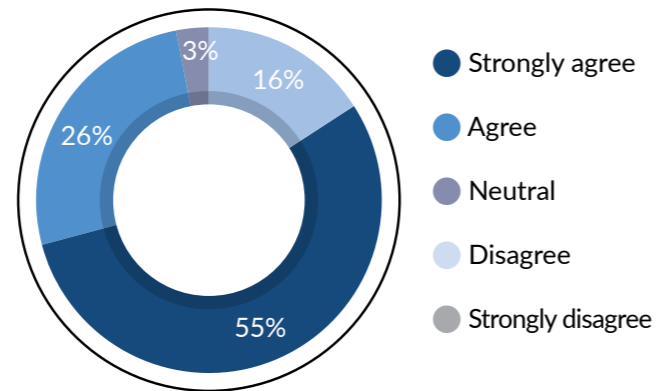
Elsewedy is Working to Positively Impacts People's Lives



All Employees Treat Each Other with Respect



Elsewedy is Dedicated to Diversity and Gender Inclusivity



Enriching Our Communities

A group of students, including boys and girls wearing hijabs, are seated at a long table in a classroom or computer lab. They are all wearing red long-sleeved shirts with a logo that says "STA". They are focused on their laptops, with some looking towards the camera. The background shows a large window with a view of trees outside.

Corporate Social Responsibility



Elsewedy Electric aims to inspire and enable our people to contribute positively to society and to create a sustainable business. CSR goes beyond donations and acts of philanthropy. It must look at the social impact of our activities on all our stakeholders. Businesses have a responsibility to address all the issues that societies face, such as access to food, education, water, medical care, child welfare, and living standards. While charity can ease financial burdens and provide other short-term benefits, real sustainability is rooted in long-term change.

At Elsewedy Electric, our CSR practices take into account the economic, environmental, and social impact of all activities. Over the last three years over EGP 64 million was dedicated to our CSR activities.

The following organizations and programs are beneficiaries of our CSR fund:

Orman Oncology Hospital	Friends of Children with Cancer (FOCC)	Ahl Masr Foundation, Egypt	Face for Children
Egyptian Centre for Easy Tutorials	The American University in Cairo	German University in Cairo	Cairo University
Ain Shams University	Zewail University	Arab Contractors Club	Top 100 Students Tour
Sphinx Cure Oncology Centre	Nile University, Egypt,	Mansoura University, Egypt	Disability Care Centre Slovenia
57357 Hospital	Abou El Reesh Japanese Hospital	National Cancer Institute	Mawaheb Foundation
Zagazig University Hospital	Ain Shams Emergency Unit	STA 1&2	Al Duwaiqa Schools
Egyptian Foodbank	Aswan Association	Welding Training Centre Beni Suf	Egyptian Philharmonic Society
Program to build housing for the impoverished in Egypt and Ethiopia	Program to provide solar panels for farmers in Algeria	Program to provide potable water for farmers in Ethiopia	Program to provide a road network in Beni Suf

Within the scope of our organization and in the context of our core values, we work to achieve the United Nations' 17 Sustainable Development Goals in our surrounding communities. Through our CSR department, employees receive a quarterly newsletter and sustainability emails. These contain updates on the Group's activities and sustainability initiatives and articles on water conservation, energy saving tips, the benefits of carpooling, etc. Health articles and sustainability topics are promoted on bulletin boards in all workplaces. Employees can join volunteer programs, such as food runs, blood donations, and charity and orphanage visits, both in Egypt and at our facilities abroad, such as Iskraemeco Slovenia.

UN Global Compact (UNGC)

Elsewedy Electric is a member of the UNGC Network Egypt, and we are committed to the UNGC's 10 Principles in the areas of Human Rights, Labour, Environment, and Anti-Corruption.

Contributions to Education Elsewedy Training Academy - Egypt

In 2011, Elsewedy Development established the Elsewedy Technical Academy (STA) under the supervision of Egypt's Ministry of Education. STA provides a three-year, secondary level program of customized technical education for the major electrical industries at international standards. All our training programs follow the German example of dual approach training, which combines learning and training tracks that take place both at the school and in our factories.

Our vision is to establish STA among the leading technical education institutions worldwide and to change the approach to technical education in Egypt and in the region. Our mission is to provide an innovative and enhanced educational program focused on developing our students' skills in order to create a pool of qualified, skilled, efficient, and professional members of the technical community to support the foreign and local markets. By offering practical on-the-job training, we smooth the transition from the undergraduate program to the demanding job market.¹⁵

We established STA to address the following:

- The poor reputation of technical education and training in Egypt
- Traditional learning culture in technical education and training
- Skills gaps and shortages in skilled labor
- Rising costs for education
- Globalization
- Growing importance of ICT and the internet
- Growing disconnect between business needs and the current education system.

We applied the highest standards of quality to our curriculum development, quality control, infrastructure, and student admissions process.

We implement our curriculum in a holistic way, combining on-the-job training with classroom learning to empower students with the necessary knowledge, skills, and attitude. To instill responsibility and good finance management, students are given a monthly allowance for their personal use. Our current curriculum covers the fields of:

- Energy components
- Industrial electronics
- Mechanics, maintenance, and repair.

Facilities at the academy include:

- A large campus with green space
- Digitalized classrooms with a capacity for 16 students
- State-of-the-art laboratories (fluidics and drive laboratory and automation and PLC laboratory)
- Conference hall
- Auditorium.

STA makes use of tablets, online simulations, interactive smart boards, and a digital library. Students are also provided tablets to use for distance-learning when necessary. Students can rely on a close mentoring system and highly engaged teachers and supervisors. To ensure the health of all students, desks are ergonomically designed to improve posture and protect the spine.

Based on the success of our first academy, we plan to expand internationally with the involvement of a key industry player.

¹⁵ For more information on our admissions process and requirements visit us at www.sta.edu.eg.

Mohamed Farid School, Egypt

Elsewedy Electric undertook the complete development of this school, including all infrastructure, classrooms, laboratories, and electrical fittings, and oversaw the hiring of teachers and administrators. We provide school uniforms, bags, and stationary for every student, with enrollment averaging 1,760 students.

Sheikh Abdel Aziz School (Warrag) – Egypt

Five weeks before the beginning of the 2015-2016 academic year, Elsewedy Electric renovated the school. Renovation included repainting the whole school, supplying classrooms with new desks and chairs, installing state of the art computer labs, and building various sport fields and courts.

Early Childhood School (El Duwaiqa) – Egypt

At the beginning of the 2015-2016 academic year Elsewedy Electric, in cooperation with the Ministry of Education, renovated the school as part of our effort to provide adequate education for children in their early development years. The initiative included equipping classrooms with new equipment and electrical fittings.

Nasser Facility

Elsewedy Electric assisted the Nasser Facility by constructing a wall around the school grounds. In addition to that, we undertook the construction and cost of establishing a class for children with special needs at Hamza Bin Abdul Muttalib School. We also provided all electrical fittings and other renovations at the Nasser Educational Management facility.

El Sheikh Zayed School for Basic Education – Egypt

El Sheikh Zayed School for Basic Education had high demand for its KG1 and KG2 classes. Insufficient funding and a lack of available teachers left the school unable to hire enough teachers or to pay their salaries. Elsewedy Electric allocated several of our representatives to fully equip and renovate four classrooms, and we set up a monthly fund to hire teachers and pay salaries.

Nurseries

Elsewedy Electric works closely with the Egyptian Ministry of Education and Technical Education to support two nursery schools in Egypt. We are also building a new nursery in Monshaet Nasser that will cater to 474 children. The support we provide includes:

- Early Childhood School (El Duwaiqa), Egypt
 - Free electricity and plumbing maintenance
 - Toys for children
 - Paying for 8 teachers, 2 supervisors, and 2 workers.

El Sheikh Zayed School for Basic Education, Egypt

- Toys for children
- Paying for 7 teachers and 2 workers.

Nurseries at Al-Marwa School

- A new classroom for KG1 students, with a second one under construction
- Toys for children
- Paying for 2 teachers and 1 worker.

University Engagement

Our CSR practices include working with local universities to provide training and assistance for CV writing, interviewing skills, and reasoning tests.

Scholarships

Since 2017, Elsewedy Electric has been providing merit-based scholarships to students from public schools in cooperation with:

- American University in Cairo (AUC)
- German University Cairo (GUC)
- Zewail University
- Nile University
- Faculty of Medicine at Qasr Aini University
- Mansoura University
- Ain Shams University

Our scholarship fund began as a pilot program in 2016 with 2 students; it has grown to a capacity of 100 students per year, with 64 full scholarships being provided in 2017.

Medical Contributions

Legislation Association Hospital – Egypt

Elsewedy Electric has built and equipped the Legislation Association Main Hospital that offers free treatment to all Egyptians. The hospital specializes in cancer treatment and the treatment of severe burns.



Blood Donation Campaign

Through Doha Cables and Elsewedy Cables Qatar, and in cooperation with Hamad Medical Organization, we organized a voluntary blood donation campaign at Mesaieed Factory and Al Wajba Site office, Al Rayyan. The campaign promoted the importance of blood donations to reduce the shortage at the Blood Donor Center of Qatar.

Nursing Schools

Elsewedy Electric supports seven nursing institutes, allowing them to accept more students. Institutes are given access to a large range of books and resources related to nursing, including medical dictionaries. Other assistance to the nursing institutes includes:

Abbasiya Technical Institute for Nursing

- Provided 100 chairs and fixed 25 chairs
- Built a new lecture hall
- Created a practical training lab
- Built a new computer lab
- Established an Engineering Consultant office within the institute to look at building new classes.

Chest Disease Hospital – Nursing Institute

- Established an Engineering Consultant office within the institute to look at building new classes
- Built a new computer lab
- Built two laboratories
- Built a new wing that included 2 classrooms, a lecture hall, and bathrooms

- Provided all the electricity, plumbing, and painting for the institute
- Provided new chairs and fixed 113 chairs
- Provided dummies, paradigms, and various training tools to teachers and students
- Supplied the bookstores with more resources including medical term dictionaries.

Sheikh Zayed Hospital in Doweqa – Nursing Institute

- Provided training centres with training tools
- Supplied the bookstores with more resources.

Om Almasryeen Hospital – Nursing Institute

- Provided training centres with training tools
- Supplied the bookstores with more resources.

Boulaq Al-Dakroor Hospital – Nursing Institute

- Provided training centres with training tools
- Supplied the bookstores with more resources.

Alwarak Hospital – Nursing Institute

- Provided training centres with training tools
- Supplied the bookstores with more resources, including medical dictionaries.

Al Moatamydia Hospital – Nursing Institute (male)

- Built a new laboratory equipped with teaching and training tools
- Supplied the bookstores with more resources including medical term dictionaries.

Art and Culture

In 2012, 3W Networks' foundation, 3W Foundation, partnered with Mawaheb from Beautiful People, the Dubai-based art studio that supports talented artists with special needs. We commissioned them to create our annual calendar, which is shared with business partners, investors, and other stakeholders, to raise awareness for the organization and bridge the gap between individuals with special needs and the rest of society.

Social Contributions

Our social contributions include handicap-accessible flyovers and pedestrian bridges on highways and roads that have a high rate of pedestrian accidents, as well as the construction of roads in our projects' areas.

During the construction of the Beni Suef plant in 2017, in cooperation with the local municipality, we built four internal roads connecting several villages to the main road. Each road was around 4-8 km, easing access to aid and increasing communication links.

During Ramadan, we provided over 6,500 boxes of food to donation centers and employees.

Humanitarian Fund

Elsewedy Electric's humanitarian fund covers medical expenses, supplements injury compensation benefits, and provides other humanitarian aid when necessary.

The past few years have seen civil unrest at our operations in Libya, Syria, Yemen, and Iraq. Through the humanitarian fund, we arranged for the extraction of the Elsewedy Electric employees and their families living in these countries. In cooperation with the Egyptian government and regional governments, we also helped Egyptian nationals stranded in these locations return home.

Through the humanitarian fund, we pay the medical fees of all our employees, including outsourced laborers and family members on a case-by-case basis.

Infrastructure

In Egypt, Elsewedy Electric has built speed bumps on roads in the 5th Settlement and New Cairo. The Group has also installed road signs, road maps, and drainage systems, in addition to fixing sewage pipes and asphalt.

Elsewedy Friends Club

Elsewedy Friends Club runs weeklong workshops, 3-day training sessions, and one-day seminars for electricians, technicians, and engineering students. Services are offered across Egypt, covering the governorates of Luxor, Sohag, Aswan, Asuit, Zagazig, Bilbes, Helwan, Sadat City, Damietta, Mansoura, Quesna, and Giza. We also offer our services internationally in Ethiopia, Sudan, Algeria, Syria, and Yemen.¹⁶

In addition to providing electricians with the training they need to make the most of Elsewedy Electric products, we equip them with tools and resources to help them increase their customer satisfaction and improve their livelihoods.

The Elsewedy Friends Club provides electricians the following:

- A club ID card
- Toolboxes, tool belts, and a technician's bag
- Elsewedy Electric uniforms, t-shirts, and caps
- Stationery.

The club started as an initiative to raise consumer awareness of our products, prevent fraud and counterfeit products, and create employment opportunities for those interested in the electric profession. As of 2017, the club has reached over 5,000 electricians, with attendance from across the region ranging from private electricians to girls from the Faculty of Engineering at Cairo University.

Electricians who complete our training courses receive a certificate of completion and a photo with the CEO of Elsewedy Electric, Ahmed Elsewedy. Both private electricians as well as government electricians are welcome to attend, and all events are posted on our Facebook page.

¹⁶ These services were offered prior to the civil conflicts that have occurred in these nations.



Protecting the Environment





Committing to the Environment



At Elsewedy Electric, we believe in environmental sustainability and uphold this value with clear guidelines and processes that protect employees, the public, and the environment. We comply with local and national regulations and standards and are committed to:

- Complying with federal, regional, state, and local social and environmental regulations
- Assessing risks and eliminating them or controlling foreseeable impacts
- Contributing to environmental, archaeological, cultural, and heritage protection and conservation

- Implementing risk-based performance evaluations for environmental policies
- Disseminating information from environmental authorities to employees
- Providing appropriate instruction and training for employees
- Establishing response procedures
- Improving environmental protection policies and revising them when deficiencies are identified.

Alternative Solutions

Elsewedy Electric's products and services embody our core values and beliefs, including sustainability. At every stage of development, the environmental impact of products and services is considered. We look for ways to increase the recyclability of products, decrease energy use at facilities and sites, minimize waste water, and improve waste management. All recyclable components, such as cables, wires, plastic, and more are collected and reintroduced into the manufacturing process. We offer incentives to customers to return old cables and other products for financial bonuses or new products.

Fair Meter Project¹⁷

Smart electricity meters produced by Iskraemeco are a key contribution to the electronic industry. The supply chain for traditional meters has numerous negative impacts on the environment and society, compounded by irresponsible business practices, such as labor exploitation, toxic pollution, the use of conflict minerals, and hazardous working conditions. Making matters worse, current manufacturing and use models in the electronic industry result in many raw materials being discarded at the end of their technical or economical life when there is an opportunity for recycling.

The meter industry faces numerous sustainability challenges, including:

- Unfair labor practices: Child labor, unsuitable working conditions, and unfair pay compromise the lives of many people across the globe. The electronics industry should strive to ensure fair working conditions across the supply chain.
- Conflict minerals: Around 80% of conflict minerals, gold, tantalum, tungsten, and tin (3TG), are produced in the Democratic Republic of Congo and neighboring countries that have experienced civil unrest. These conflicts are financed with profits from the sales of these minerals, allowing for the purchase of arms and weapons. More than 5 million lives have been lost directly and indirectly as a result of the extraction of these minerals. The electronics industry needs to establish a transparent supply chain for the sourcing of these minerals.
- Material scarcity: The European Commission has published a list of 27 materials that are of great importance to humanity and are becoming increasingly scarce. The electronics industry should find substitute materials for these scarce resources.
- E-waste: Electronic products have always generated waste, but the volume is rapidly increasing, with most materials not being recycled. Most electric products have a relatively short product life. The industry needs to find solutions that prolong the life of products and enable them to be recycled.
- Resource usage: Every production process

requires resources such as energy, water, gas, and raw materials. In order to minimize its contribution to pollution, the electronics industry must improve its product designs and processes in ways that account for their environmental effects.

- In 2015, Iskraemeco joined the Fair Meter Project. Together with 4 Dutch utility companies, we will develop and produce "fair" smart meters. The goal is to minimize the environmental impact and take into account all social considerations throughout the supply chain. Responsible business practices include supply chain sustainability, and the Fair Meter Project aims to set the industry standard for the responsible development and use of electronic products.

Elsewedy Cables – Ethiopia

In 2009, Elsewedy Electric opened a cable manufacturing facility in Dukem, Ethiopia. In order to alleviate any negative environmental or social impacts the plant might have on employees or the surrounding area and communities, Elsewedy Electric invited a third-party consultancy to conduct an environmental assessment. The assessment clearly identified the potential adverse impacts of the plant and produced an Environmental Management Plan (EMP) to mitigate them. The plan analyzed the scope, duration, and likelihood of impacts and recommended environmental protection and safeguard practices. The plan was submitted to the Dukem Environmental Protection Office for approval.

The range of concerns considered in the EMP include:

1. Local land management
 - Land and soil pollution, visual impact, flora and fauna, and land biodiversity.
2. Liquid effluent management
 - Surface water.
3. Solid waste management
 - Hazardous and non-hazardous waste: debris, oil, lubricants, plastic, aluminum, asbestos, asbestos containing metal (ACM), copper, paper, wood non-degradable Cross Linked Polyethylene (XLPE) waste, copper cooling, coolant oil
4. Hazardous chemical management
5. Air quality, dust, and noise management
6. Employees and public health and safety management
 - Occupational health and safety
7. Socio-economic impact management
 - Child labour, employment rate, and cultural sensitivity

¹⁷ For more information on the Fair Meter Project, check Iskraemeco Slovenia's COP report to the UNGC https://www.unglobalcompact.org/system/attachments/cop_2018/458211/original/2017_UNGC_COP_Iskraemeco_FINAL.pdf?1517397349.

The EMP's detailed mitigation measures for each of the seven areas where there was a high risk for negative environmental and social impacts. Additional guidelines were established for:

1. General Emergency Response procedures for
 - Accidents and injuries
 - Roles and lines of authority for personnel
 - Alarm systems and procedures
 - Evacuation routes and procedures
 - Emergency medical treatment procedures
 - Unconfined fires and explosions
 - Emergency Preparedness and Response Management Plan
 - Environmental Emergency Response Plan
 - Response times
 - Resources (first aid box, protective gear, fire extinguishers, and emergency response vehicles).
2. Environmental audits
3. Environmental performance evaluations
4. Records management
5. Environmental reporting and corrective action
6. Continual review of the EMP.

The recommended guidelines for waste reduction were implemented on:

- Waste management
- Solid waste incineration
- General waste dispatching
- Canals and ditches for discharging liquid
- Removal of asbestos waste
- Regular chiller maintenance.

Beni Suef

Upon completion of the Beni Suef combined-cycle power plant, we planted 120 trees and removed garbage, industrial waste, and oxygen-depleting plants along the Nile River in proximity to the plant.

Pyramids Industrial Parks

Pyramids Industrial Parks (PIP) is committed to sustainable development and serving our community in an ethically responsible manner. Our two industrial parks, Industria West and Industria East, are state-of-the-art and fully-integrated industrial parks equipped with infrastructure, utilities, and services to promote

efficiency and minimize the environmental impact of industrial operations. Facilities and services targeted at environmental responsibility include:

- Waste-water treatment and management
- Sewage treatment and management
- Firefighting
- Landscape and road maintenance¹⁸

Clear guidelines state which industries are able to operate in our industrial parks include:

- Ceramic, cement, and steel industries are not permitted within the parks
- All allowed industries must follow policies and procedures based on local environmental laws
- The Egyptian Environment Authority supervises PIP industrial parks to ensure proper adherence to local law and an environmentally friendly environment.

Al Oula Industrial Parks Development

Al Oula Industrial Parks Development requires all industries operating at our sites to adhere to the rules and regulations of the Egyptian Environment Authority. They must also provide services and facilities that reduce the negative environmental impacts they create.

The following regulations govern new developments in our industrial parks:

- Construction is allowed on 40 to 65% of the total area assigned to each industry
- Construction on a minimum of 25% of the assigned area is allowed in the first phase
- Maximum facility height is 15 meters
- Setbacks must be at least 4 meters from boundary fences
- Landscaping around each industry must be more than 4% of the assigned area.

Industries located within the parks are provided with:

- Irrigation tanks
- Water treatment stations
- Drainage and irrigation systems to recycle waste water for landscaping
- Natural gas networks
- Communication networks
- Energy efficient street lighting
- Water tanks

¹⁸ Visit our website <http://www.piparks.com/> for more information.



Elsewedy Transformers

Elsewedy Electric Transforms' products have a durability guarantee of 50 years, thus reducing product waste. The majority of the components found in our transformers are sourced from sustainable materials, with Elsewedy Electric doing business only with suppliers that meet relevant International Organization for Standardization (ISO) certifications and quality standards and adhere to environmental laws and regulations. Current recyclability of our transformers is set at 30%.

Electricity consumption for our all our factories, plants, and offices averages of 574,000 kW per month, with water consumption at 5,000 m³ per month.

Emissions for Elsewedy Electric Transformers 2017

Type of Gas	Concentrations PPM
CO2	1,293
NOx	1
SOx	0.69

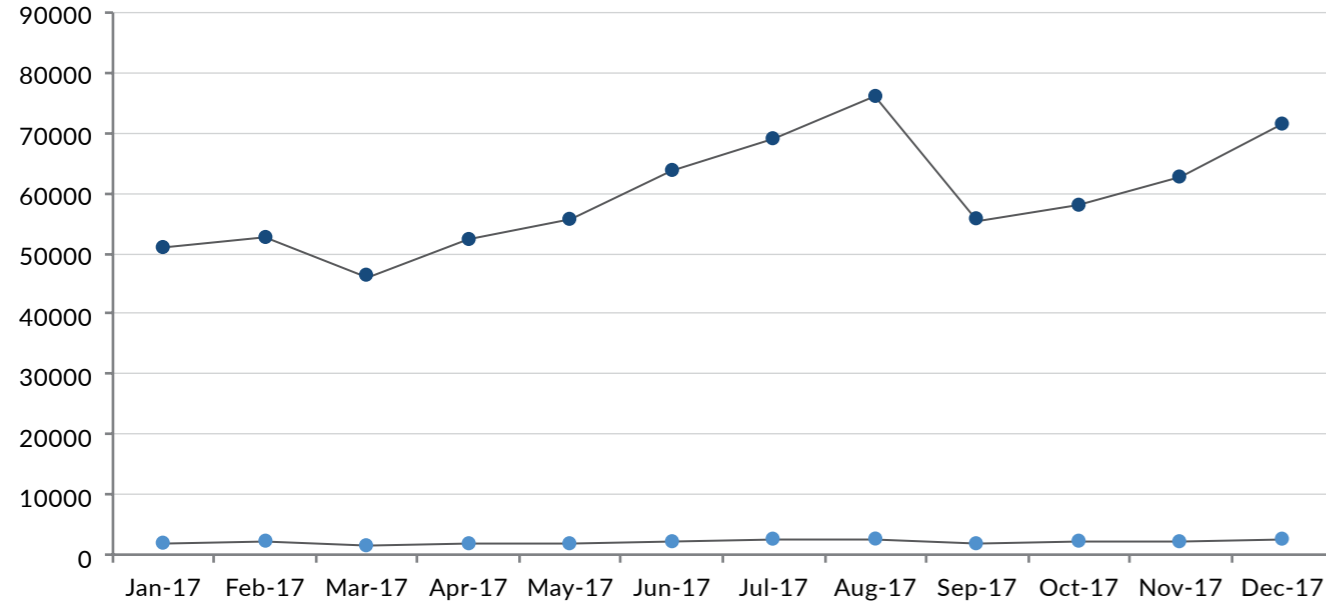
Elsewedy Electric Cables

At Elsewedy Cables, we manage our environmental impact by recycling plastic waste and sourcing recycled plastic for usage within the factories. For the cooling of cables during the production process, we seek innovative ways to manage our water waste and reduce our consumption of fresh water. Along with our sister company, UMA, all copper used within our cables is ethically sourced copper and composed of copper scraps found in trash, debris, and waste in Egypt.

United Industry Cables

Our factories in UIC rely heavily on electricity usage for the multiple feeders used on a daily basis. Energy saving initiatives, such as LED lights, reduce overall electricity consumption as much as possible.

Gas Consumption at UIC 2017



715,476 m³

Total consumption for the year

- Total Consumption/Month
- Consumption/Day

Electricity and Water Consumption at UIC 2017

25,954,800 kw

Electricity consumption

125,179 m³

Water consumption

Elsewedy Electric T&D

Elsewedy Electric T&D is currently establishing a new department dedicated to solar energy to produce innovative products, such as small mobile turbines, that will extend our reach into the solar and renewables sectors for EPC contracts.

Internally, we have set a yearly action plan to reach our desired electricity, water, and paper consumption across our facilities, including a biannual measurement and statistical review. Goals for 2018 include increasing HSE training for all employees and awareness-raising campaigns on reducing paper, water, and electricity consumption.

Consumption for Elsewedy Electric T&D 2017

Commodity	Current Consumption for 2017	Desired consumption for 2018
Electricity	100,000 kW	90,000 kW
Water	6,000 m3	5,000 m3
Paper	1 ton	0.9 ton

Iskraemeco Slovenia

At our Slovenian subsidiary, our factories adhere to EU laws and regulations for carbon emissions, energy usage, energy savings, and waste management, in addition to the Group's standard policies on mitigating negative environmental impacts and improving our environmental sustainability.

Energy Consumption for Iskraemeco Slovenia 2017

Electricity Consumption	Amount Used kWh
Consumption within facilities	5,003,960
Consumption per 1,000 products	2,500

Water Consumption for Iskraemeco Slovenia 2017

Water Consumption (Industrial and Drinking)	Amount Used m3
Consumption within facilities	113,740
Consumption per 1,000 products	58



Elsewedy SEDCO

Currently, Elsewedy Electric SEDCO products have a product life of 50 to 60 years. All production materials are from suppliers with certificates for ethical and environmental practices, with a majority of raw materials coming from recyclable inputs. Our research and development department continuously finds ways to recycle raw materials, adding new products to SEDCO's portfolio such as our heat shrinkable products.

In addition to improving product sustainability, we are saving power and reducing other environmental impacts. For example:

- All electric panel boards are equipped with power factor correction capacitor units
- All office spotlights have been exchanged from halogen 50 watt to LED 3 watt
- All fluorescent lights are being replaced with equivalent LED lights as they burn out
- Air conditioning units run from May to October only
- Water heaters run from December to March only.

Ain Shams University conducted an environmental assessment for our factory in 10th Ramadan City, taking samples on February 9 2017, with the following findings:

Noise Equivalent Power for Elsewedy SEDCO, 10th Ramadan Factory

Level of Noise Equivalent Power in Decibels

Location of Measurement	Measurements	Maximum Limit Allowed According to Environment Law 9/2009. Labor Law 12/2003
Metal production facility	86.3	90
Rubber production facility	81.1	
CNC metal formulation facility	84.2	
Final product assembling facility	69.4	
Metal production workshops	90.0	
Administrative offices	54.1	

Heat Stress Management for Elsewedy SEDCO, 10th Ramadan factory

Heat Stress Measurements in Degrees C°

Location of Measurement	Measurements	Maximum Limit Allowed According to Environment Law 9/2009. Labor Law 12/2003
Metal production facility	26.9	28 C°
Rubber production facility	26.9	
CNC metal formulation facility	27.6	
Final product assembling facility	26.1	
Metal production workshops	26.4	
Administrative offices	24.7	

Concentration of Total Suspended Dust in the Work Environment for SEDCO, 10th Ramadan Factory

Milligram/ m3

Location of Measurement	Measurements	Maximum Limit Allowed According to Environment Law 9/2009 Annex 8
Metal production facility	1.9	10
Rubber production facility	1.7	
CNC metal formulation facility	2.2	
Final product assembling facility	0.8	
Metal production workshops	1.3	
Administrative offices	1.2	

CO2 Emissions in the Work Environment for SEDCO, 10th Ramadan Factory

Milligram/ m3

Location of Measurement	CO ₂	SO _x	NO _x
Tin coating facility	4.4	0.8	1.1
Rubber production facility	1.0	2.2	1.3
Maximum limit allowed according to Environment Law 9/2009 Annex 8	29	5.2	29

Clark Exhaust Measurement for SEDCO, 10th Ramadan Factory

Equipment Type	Manufacturing Year	Smoke Intensity Coefficient K (m ⁻¹)	Smoke Opacity
Komatsu	2005	1.4	16
Maximum limit allowed according to Environment Law 9/2009 Annex 6, Schedule 24	Starting from models from the year 2003	2.65	25

Industrial Waste Pollutants for SEDCO, 10th Ramadan Factory

Parameter	Method of Analysis	Max Allowable Decree (44/2000)	Results
BOD, mgO ₂ /L	USEPA 405.1	600	301.1
Boron, mg/L	USEPA 212.3	1.0	0.012
Cadmium, mg/L	USEPA 212.2	0.2	0.013
Chromium, mg/L (Cr)	USEPA 218.3	0.5	0.014
COD, mgO ₂ /L	USEPA 410.1	1,100	547
Copper, mg/L	USEPA 220.2	1.5	0.011
Lead, mg/L	USEPA 239.2	1.0	0.117
Mercury, mg/L	USEPA245.1	0.2	Nil
Nickel, mg/L	USEPA 246.2	1.0	0.012
Nitrate - Nitrogen, mg/L	USEPA 353.3	100	3.9
Oil and Grease, mg/L	USEPA 413.3	100	6.1
PH	USEPA 150.1	6-9.5	7.6
Phosphate-P, mg/L	SM4500-P(C)	25	4.4
Settle-able Rate, mL/ L (30 minutes)	USEPA 160.5	15	0.2
Total Suspended Solids, mg/L	USEPA 160.2	800	71.5
Sulphide, mg/L	USEPA 376.2	10	Nil
Cyanide, mg/L	USEPA 335.3	0.2	Nil
Phenols, mg/L	USEPA 420.1	0.05	Nil
Arsenic, mg/L	SM 3500As (B)	2.0	Nil
Tin, mg/L	USEPA 282.2	2.0	0.019

ECMEI

ECMEI implements the Group's policies of using LED lighting to save energy and reduce greenhouse gas emissions throughout its factories.

Greenhouse Gas Emissions for ECMEI 2017

Greenhouse Gas	Milligram/ m3
CO2	631.0
NOx	471.7
SOx	33.0

Energy Consumption and Savings for ECMEI 2017

226,600 kWh/month

Electricity Consumption

1,979 EGP/month

LED Light Savings

Water consumption for ECMEI 2017

12,748 m³

Water Consumption

EgyPlast

At EgyPlast, all factories follow the Group's shared energy saving policies. Our R&D works to develop biodegradable Masterbatch additives for plastic industries.

Energy and Water Consumption for EgyPlast 2017 (monthly average)

Commodity	Monthly Average Consumption Rate
Electricity consumption	2,115 MW
Water consumption	5,883 m ³

Elsewedy Training Academy

Elsewedy Technical Academy (STA) provides all learning through e-learning platforms and digitalized resources, reducing paper waste. STA is equipped with energy efficient lights and electrical appliances that comply with all safety and environmental regulations. It is a highly innovative, state-of-the art technical academy that is reducing its environmental impact.

Reducing our Carbon Footprint

We strongly encourage all employees to car-pool on their daily commute. In addition, we provide bus transportation services for all employees at our corporate offices, factories, facilities, and project sites across the Group. We currently have 36 buses in Cairo used by 348 administrative employees. Elsewedy SEDCO has 19 buses that transport 531 of its total 641 employees. These initiatives reduce Elsewedy Electric's transportation carbon footprint.

Group Facilities

Elsewedy Electric is currently constructing two administrative buildings to unify all the main offices for our Egyptian companies in one large office space. This will reduce our carbon footprint by minimizing employee travel to different work locations, centralize our corporate operations, and streamline our water consumption, electricity use, and waste management. The new offices are being built with state-of-the-art environmentally friendly features and include greenspaces and recreational areas. An internal committee oversees the building plan with a goal of mitigating environmental impacts.

At our current facilities, factories, and offices, all lights have been switched to energy efficient and LED lights in order to reduce electricity consumption and reduce

the costs of running these sites. All our corporate offices are fitted with energy saving features, such as dimming lights, controlled air conditioning, and double-glazed windows. They also use water filters and waste management systems to reduce negative impacts on the local environment.

Since 2010, all employees are instructed to switch off AC units in offices and meeting rooms when they are not in use, with penalties for those who do not. Employees are strongly urged to consider their paper waste by using digital documents whenever possible. Annual paper consumption at our corporate headquarters is 1,500 packets, averaging 125 packets per month. At our locations in Egypt, a third-party contractor checks water quality every 10 days at the majority of the Group's companies.

E-Waste

All printers, personal computers, laptops and other electric devices have a standardized product life. When they reach the end of their life, an internal team at Elsewedy Electric harvests spare parts for reuse and competes for bids for spare parts through our procurement department.

Waste Management

Managing our hazardous and non-hazardous waste in a responsible and eco-friendly manner is vital. Not only do our waste management facilities and agreements protect the environment and the health of local populations, but they also provide financial benefits.

Elsewedy Electric Transformers

The waste management process at Elsewedy Electric Transformers has the following steps:

1. Source reduction
2. Separation
3. Waste treatment
4. Disposal.

Contractors remove waste on a daily basis from our factories, including oils, solid wastes, scraps, and hazardous waste.

Waste that can be recycled, mostly scraps, is sold to other industries for the manufacturing of goods such as car mats, asphalt, shoe soles, etc. In order to ensure that we meet local emission limits, we conduct periodical reviews through a government-certified institution.

Waste Management at Iskraemeco Slovenia

Given the nature of the electronics industry, we generate both hazardous and non-hazardous waste. Our factories in Slovenia abide by international and EU regulations for responsible waste management, with all waste sorted before its appropriate disposal. All waste

management companies we subcontract are licensed by the Ministry of Environment, with special planning and waste records kept going back 10 years.

As per EU legislation, we have developed a waste management plan, by which we evaluate the quantity of waste generated and the required disposal methods. Different types of waste are collected separately. Non-hazardous waste, such as copper, iron, brass, plastic, cardboard, and wood, and some hazardous waste, such as scrap electronics, batteries, and lights, can be recycled as secondary raw material. Non-recyclable waste, such as oils, rugs, and filters, are incinerated and municipal waste is disposed of in landfills.

In 2017, Iskraemeco Slovenia implemented a policy of reorganising and optimising the waste management process throughout the company, carrying out audits on our current process and employee awareness-raising sessions.

Waste Management at UIC

At UIC, our waste is handled according to local laws and regulations by several outside contractors.

Waste Management at UIC

Types of Waste	Treatment Method	Company
Steels drums, bottles, fluorescent lamps, forklifts, batteries	Disposed	El Nasryia, Alexandria
Neutral liquid	Disposed	EL Nasryia, Alexandria
Used oil	Filtration	Pertrotrade Company

Medical Waste Management

Elsewedy SEDCO transports and manages toxic medical waste through Belbeis Central Hospital. This includes waste produced from:

- Medical beds
- Labs
- Liver dialysis machines
- Dental units
- Clinic waste.

Enforcing Strong Corporate Governance



Corporate Governance Structure

Esewedy Electric Group believes that a clear governance structure is essential to our continued growth and success. For us, corporate governance is the system of rules, practices, and processes by which a company is directed and controlled. This involves balancing the interests of our many stakeholders, such as shareholders, management, customers, suppliers, financiers, government, and the community at large.

Our governance structure facilitates the quick decision-making required by the scale, scope, and complexity of our business, and a clear separation between management and shareholders minimizes conflicts of interest throughout all operations. In addition to clear governance, clearly defined operational structures facilitate

rapid and effective decision-making and result in greater accountability and improved profit margins.

Board of Directors

Our board of directors comprises of highly qualified individuals who are experienced and skilled in their respective fields. Each executive committee member is responsible for a business, region, function, and/or industry segment. Not only do the board and its committees carefully monitor progress of all business lines, companies, and services around the world, but they ensure that our strategy, vision, mission, and core values continue to guide all business activities and advocate for our shareholders' vision of a professional, transparent, and ethical organization.

Mr. Sadek Ahmed Sadek Elsewedy

Non-Executive Chairman

Mr. Ahmed Ahmed Sadek Elsewedy

Managing Director

Mr. Mohamed Ahmed Sadek Elsewedy

Board Member

Mr. Amr Mohamed Labib

Board Member

Mr. Hesham El Khezindar

Board Member

Mr. Ahmed Fekry Abdel Wahab

Board Member and Chairman of Audit Committee

Mr. Abdelrahman Ahmed Ahmed Sadek Elsewedy

Board Member

Mr. Ahmed Sadek Ahmed Elsewedy

Board Member

Mr. Ahmed Saad ElDeen Abou Hendya

Board Member

Mr. Amr Nabil Mohamed Othman

Board Member



Internal Audit

At Elsewedy Electric we have a strong internal audit team whose mission is to provide independent, objective assurance and consulting services that add value and improve operations. The team conducts operational audits, functional audits, investigations, and Enterprise Resource Planning (ERP) reviews and assessments.

The objectives of the internal audit department are:

1. To ensure that risks are appropriately identified and managed.
2. To ensure that significant financial, managerial, and operating information is accurate, reliable, and timely.
3. To ensure that resources are acquired economically, used efficiently, and protected adequately.
4. To ensure that programs, plans, and objectives are achieved.
5. To identify opportunities for improving controls, profitability, and the organization's image that will be communicated to the appropriate level of management.

Our Approach to Evaluating and Improving our Risk Management Control and Governance Processes is Systematic and Disciplined. Processes are Structured to Work in Five Stages



Ethics and Compliance¹⁹

Elsewedy Electric is a trusted integrated power solutions service provider worldwide. By operating in a fair and transparent way, we safeguard our reputation and international standing and enhance the trust of our business partners.

Our compliance department works to protect the company against fraudulent activities by:

- Detecting violations of laws and regulations
- Advising on business conduct that is lawful, ethical, and in the interest of our business partners, customers, shareholders, and employees
- Promoting a culture of integrity and compliance in partnership with senior management, through employee awareness sessions, policies, and procedures across the Group.

The corporate world is increasingly focusing on governance and corporate ethics, as such our compliance department assesses and supports our management compliance activities as part of their role in organizational governance.

The compliance department's mandate and review scope include:

- Anticorruption Framework
- Code of Conduct
- Fraud Control Policy
- Embedding laws and regulations into corporate policies
- Compliance awareness sessions for new employees, key vendors, subcontractors, and suppliers
- Overall supervision of the Elsewedy Electric whistleblowing hotline
- Compliance Risk Analysis of all new projects
- Conducting due diligence on customers and business partners
- Sending monthly compliance tips to employees
- Sending compliance alerts to relevant stakeholders.

¹⁹ Further programs are due to be implemented in 2018, such as vendor integrity screening procedures, a data privacy program, and higher precautionary measures on the Anti-Money Laundering and Fighting Terrorism Financing program.

Anti-corruption Framework

Ethics and Business Code of Conduct

Our employees' Ethics and Business Code of Conduct defines the behaviors and standards for the fair and regulatory compliant conduct of business. It supports all employees in their dealings with agents, customers, suppliers, governmental entities, and business partners.

The Ethics and Business Code of Conduct covers the following throughout Elsewedy Electric Group:

1. Leadership and employee relations
2. Employee behavior within the Group
3. Improper use of the company's funds and assets
4. Use of company information
5. Insider trading
6. Relations with customers, suppliers and government officials
7. Conflicts of interest
8. Gifts and entertainment policies
9. Acknowledgment process.

Fraud Control Policy

Our Fraud Control Policy defines "fraud" as an intentional act or omission intended to gain unjustified or unlawful benefits or advantages that puts our company or our business partner's assets and reputation at risk. The policy sets clear requirements and accountability for the controls needed to detect, prevent, and respond to fraud.

The Fraud Control Policy is designed to:

1. Protect the company's funds and assets
2. Maintain the highest standard of ethics, professional conduct, and fiduciary responsibility
3. Maintain the company's integrity
4. Maintain the highest level of services to the community and the individual

The policy covers:

- Governance and professional ethics
- Fraud awareness
- Fraud risk assessments
- Fraud prevention procedures
- Fraud detection and reporting
- Fraud investigation process
- Corrective actions

Whistleblowing Hotline

All Elsewedy Electric employees have the right to report any potentially inappropriate or illegal business practices or conduct and actions that may be perceived as unethical. Our internal whistleblowing hotlines allow employees to report any acts of fraud, misconduct, or breach of policy, and any actions related to ethics and compliance. Reports remain anonymous at the request of the employee.

Whistleblowing can be done through the following channels:

- Written letter
- Telephone
- Face to face
- Email to compliance section head
- Email to compliance-int@elsewedy.com

While the whistleblowing channels are communicated to all employees, we encourage board members and senior management to remain receptive to complaints and concerns raised directly to them by employees.

Legal Compliance

Elsewedy Electric provides integrated energy solutions in the Middle East and Africa with over 30 production facilities across 14 countries and exports to over 100 countries. When it comes to international compliance, our legal department sets clear guidelines and assesses protocols and laws to ensure that they are followed. All products, services, and operations abide by local laws and industry standards and specifications, as well as the regulations of international institutions, such as the International Labour Organization (ILO).

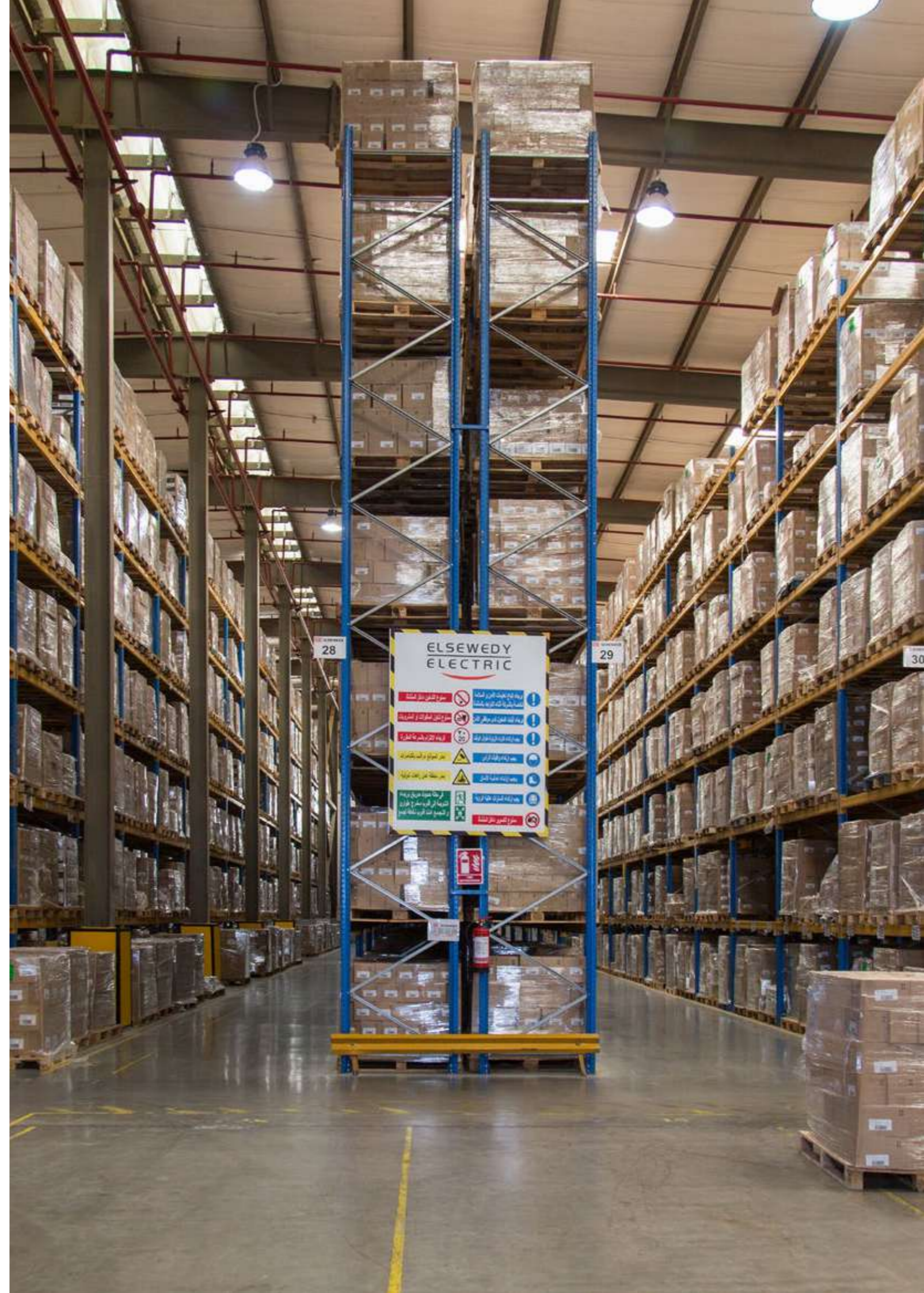
Tax Compliance

Elsewedy Electric adheres to all local laws and regulations in the countries where we operate for value-added tax (VAT) and other tax issues. In 2018, a new tax law in Egypt will illuminate tax exemptions and tax holidays for the majority of our companies in favor of new incentives and benefits. Our tax and compliance systems have undergone changes to meet those new requirements.

We review our tax compliance on an annual basis through an external audit by KPMG for all subsidiaries, both inside and outside Egypt, and undergo a tax audit done locally through ATC.

Supply Chain Compliance

We undertake supplier integrity screening for all our suppliers across the Elsewedy Electric Group. Suppliers undergo reviews to ensure their adherence to local laws and to international regulations and agreements in the areas of HSE, human rights adherence, environmental regulations, labour rights, child labour, and other supply chain sustainability issues.



Recognizing our Shareholders



Our Shareholders



Financial Excellence

Elsewedy Electric is proud to contribute to Egypt's economic growth, both through the Group's constant development and through extensive holdings locally and internationally. Even through times of economic hardship, Elsewedy Electric has maintained and improved its solid financial position. Not only do we drive economic growth in the markets where we operate, but we create jobs, provide decent livelihoods, and develop industries. As a direct result of its industrial clusters, PIP alone has created 50,000 jobs.

Our revenues have increased rapidly since Elsewedy Electric joined the Egyptian Exchange (EGX), growing by 74.1%, from EGP 24.6 billion in 2016 to EGP 42.9 billion at the end of 2017.

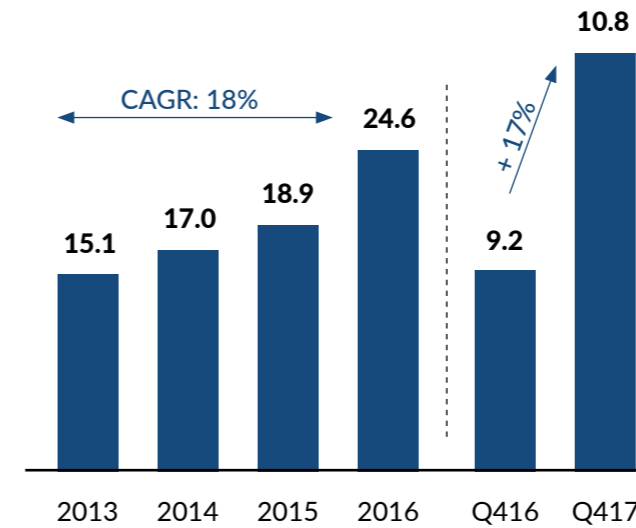
Our Advantage at Home

- The Group's nearly 100% local staffing allows for tax benefits and lower financing costs, leading to better margins and a secure market share.
- Local insight allows us to retain intelligence and know-how on local conditions, key players, and key relationships.
- Local insight allows us to advantageously anticipate market demands.

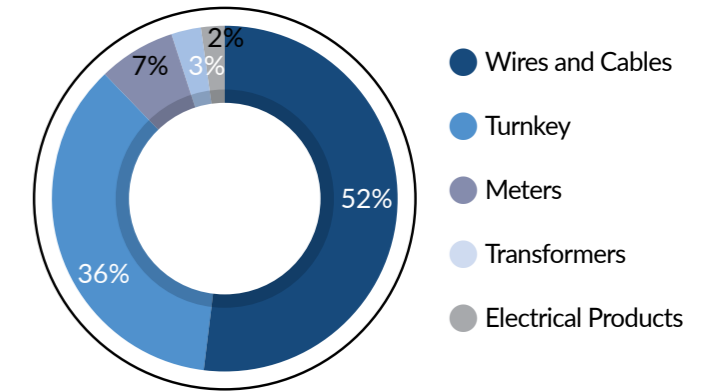
Our Advantage Abroad

- Through a close federation of localized production and distribution centers and a global coordination center in Cairo, Elsewedy Electric gains economies of scale without compromising its local producer advantages.
- An expansive worldwide distribution network.
- Investments in information and communication technology (ICT) infrastructure link our geographically dispersed factories and offices, allowing data and knowledge to be shared, leading to reduced costs and faster, more efficient operations.

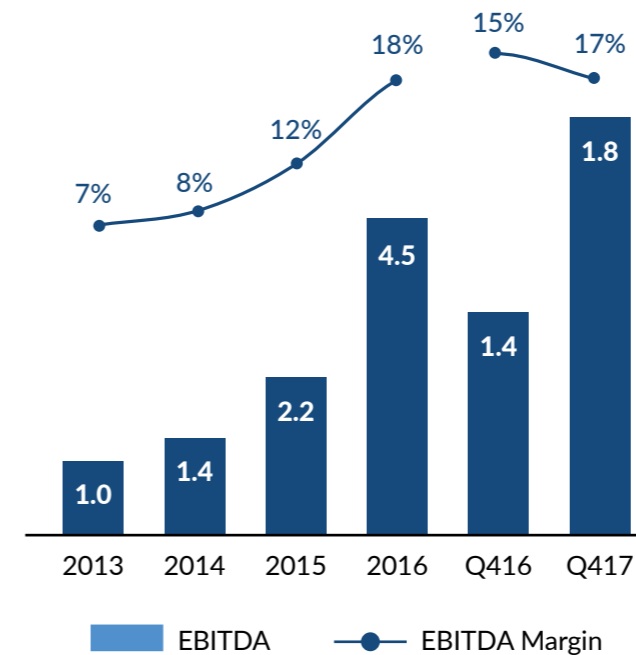
Total Revenue (EGP billion)



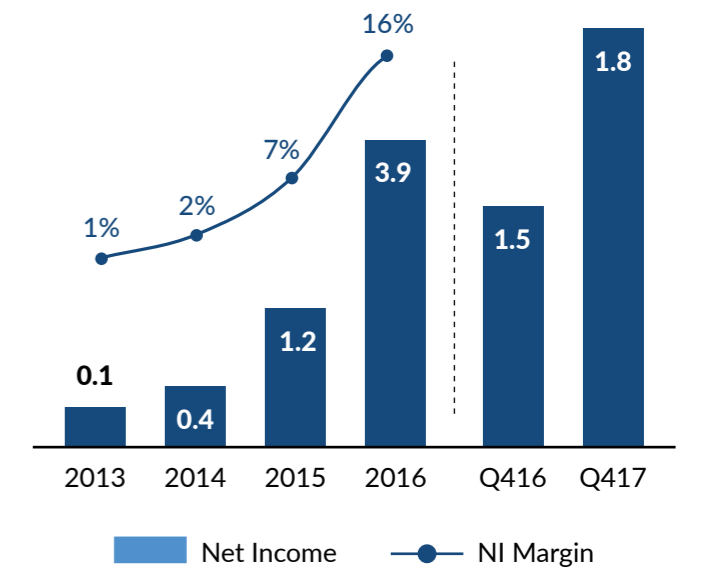
Revenue by Segment



EBITDA (EGP billion)



Net Income After Minority Interest (EGP billion)



Consolidated Income Statement

EGP	Q4 2017	Q4 2016	Change	FY 2017	FY 2016	Change
Sales						
Wires and Cables	6,310,388,978	4,065,285,020		22,475,892,064	12,960,797,874	
Electrical Products	1,528,608,368	743,534,959		5,012,818,210	2,203,455,259	
Turnkey Projects	2,953,931,487	4,408,549,778		15,422,402,622	9,480,419,731	
Total Sales	10,792,928,833	9,217,369,757	17%	42,911,112,896	24,644,672,864	74%
COGS	8,679,453,308	6,856,718,711		33,866,884,242	18,711,387,517	
Gross Profit	2,113,475,525	2,360,651,046	-10%	9,044,228,654	5,933,285,347	52%
Gross Profit Margin	19.6%	25.6%		21.1%	24.1%	
SG&A	537,757,318	511,869,872		2,060,912,121	1,343,028,969	
Other Operating Income	58,723,417	51,313,011		491,029,123	65,315,219	
Other Operating Expense	212,826,792	688,829,024		922,176,356	837,704,837	
Income from Investments	287,064,038	132,623,669		701,932,258	330,824,011	
EBITDA	1,830,798,897	1,364,590,364	34%	7,802,306,592	4,535,510,446	72%
EBITDA Margin	17.0%	14.8%		18.2%	18.4%	
Depreciation and Amortization	122,120,027	123,327,556		548,205,034	386,819,675	
FX Gain / (Loss)	86,492,784	1,107,750,032		198,242,082	1,311,545,267	
EBIT	1,795,171,654	2,349,012,840		7,452,343,640	5,460,236,038	
Interest Expense	116,099,559	134,386,944		512,376,566	415,054,477	
Interest Income	308,451,819	60,173,722		730,529,680	180,761,611	
Interest Income/ (Expenses)	192,352,260	74,213,222		218,153,114	234,292,866	
EBT	1,987,523,914	2,274,799,618		7,670,496,754	5,225,943,172	
Tax	133,680,393	727,463,102		1,183,938,659	1,271,214,788	
Net Income	1,853,843,521	1,547,336,516		6,486,558,095	3,954,728,384	
Minority Interest	52,916,600	45,568,829		118,516,848	101,285,792	
Net Income After Minority Interest	1,800,926,921	1,501,767,687	20%	6,368,041,247	3,853,442,592	65%

Consolidated Balance Sheets

EGP	31-12-16	30-09-17	31-12-17
Assets			
Long-Term Assets			
Fixed Assets	4,358,661,645	4,617,960,401	4,723,555,823
Investments	1,276,350,446	1,023,516,410	1,243,216,097
Other Long-Term Assets and Goodwill	277,204,873	377,172,369	654,890,203
Other Long-Term Receivables	3,867,394,013	3,811,776,784	3,486,374,869
Total Long-Term Assets	9,779,610,977	9,830,425,964	10,108,036,992
Current Assets			
Inventories	6,085,344,359	7,953,803,967	7,818,948,364
Receivables	10,428,542,123	10,944,263,571	12,006,589,372
Other Debit balance	3,059,174,357	3,315,994,434	2,872,604,585
Due from Related Parties	663,680,218	544,327,827	548,573,297
Cash and Cash Equivalents	8,522,476,523	8,822,577,679	9,072,732,756
Total Current Assets	28,759,217,580	31,580,967,478	32,319,448,375
Total Assets	38,538,828,557	41,411,393,442	42,427,485,367
Liabilities			
Current Liabilities			
Bank Overdraft and Short-Term loans	9,797,606,073	7,803,544,988	8,390,195,283
Accounts Payable	3,140,412,300	2,700,154,420	3,139,495,170
Other Credit balance	10,304,328,520	12,531,354,047	13,247,452,036
Due to Affiliates	376,577,012	2,023,127,405	371,383,820
Provisions	1,082,961,436	1,239,644,250	1,030,717,996
Total Current Liabilities	24,701,885,341	26,297,825,110	26,179,244,306
Equity			
Issued and Paid Capital	2,234,180,000	2,184,180,000	2,184,180,000
Retained Earnings	6,589,888,570	7,938,339,961	9,429,130,905
Others	2,160,994,632	2,208,341,984	1,899,112,879
Total Parent's Shareholders' Equity	10,985,063,202	12,330,861,945	13,512,423,779
Minority Interest	584,496,934	605,592,604	643,304,985
Total Equity	11,569,560,136	12,936,454,549	14,155,728,764
Long-Term Loans	1,420,570,790	1,374,589,887	1,179,333,318
Other Long-Term Liabilities	846,812,290	802,523,896	913,178,979
Total Long-Term Liabilities	2,267,383,080	2,177,113,783	2,092,512,297
Total Liabilities and Equity	38,538,828,557	41,411,393,442	42,427,485,367

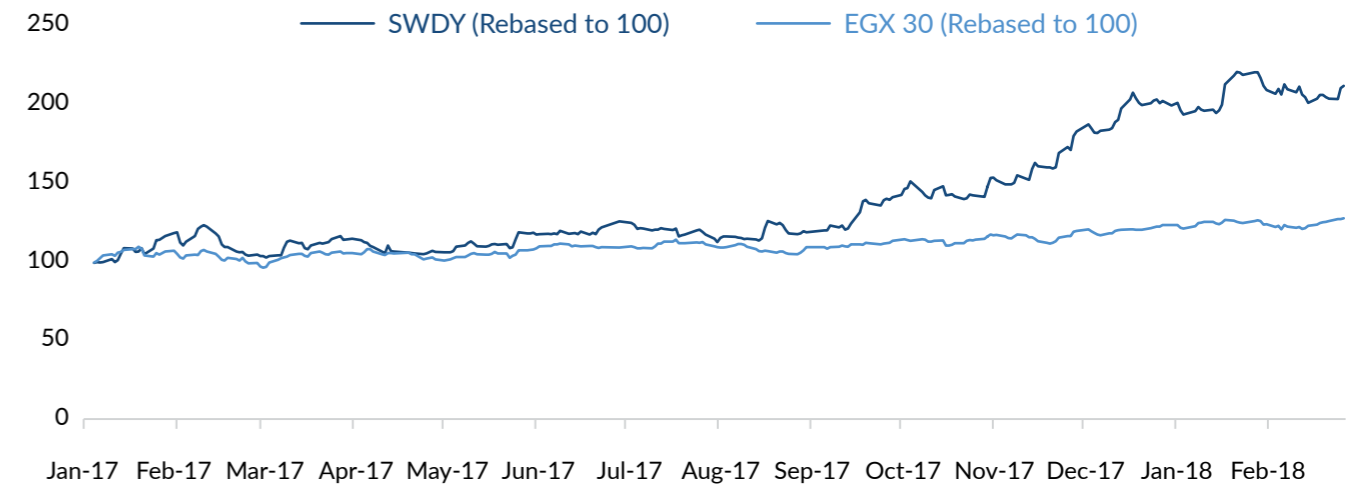
Investor Relations

Our development and acquisition of advanced technology positions the Group to supply the most cost-effective and clean technology locally, regionally, and internationally. Group-wide sharing of the most advanced production technology extends significant efficiency gains across the Group, while effective brand development boosts the Group's profile as a leading energy player. Strategic partnerships with key players in the industry saw USD 1.2 to 1.5 billion of total finance raised across the group in 2017.

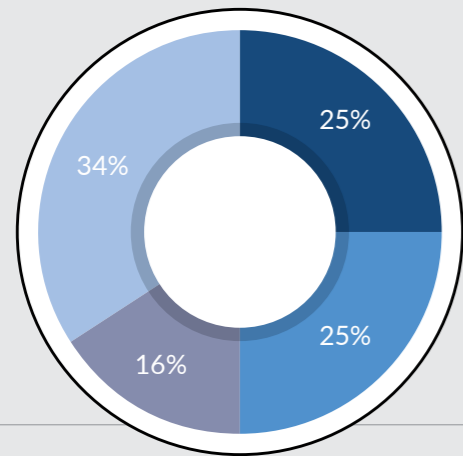
To improve communications with our stakeholders, particularly investors, we share all relevant information online. We prioritize transparency and accountability in our investor communications, ensuring that information related to the group, our operations, board practices, and stock activity is accessible through a cohesive and well-organized database platform.²⁰

According to Transparency International's 2016 report,²¹ Elsewedy Electric scored 77% on "Reporting on Anti-Corruption Programs" with 48% being the average score.

SWDY CA/SWDY EY Stock Performance



Stock Exchange

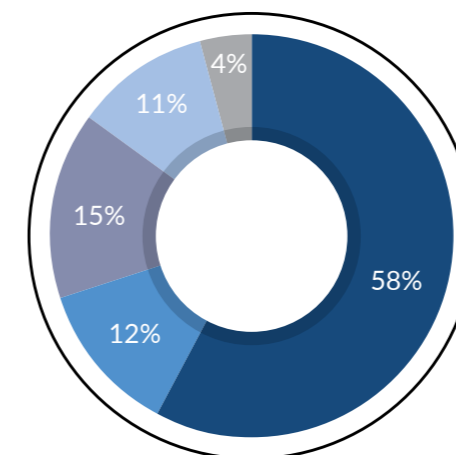


Elsewedy Electric listed on the stock market in May 2006 in a move that consolidated our global standing and improved brand equity.

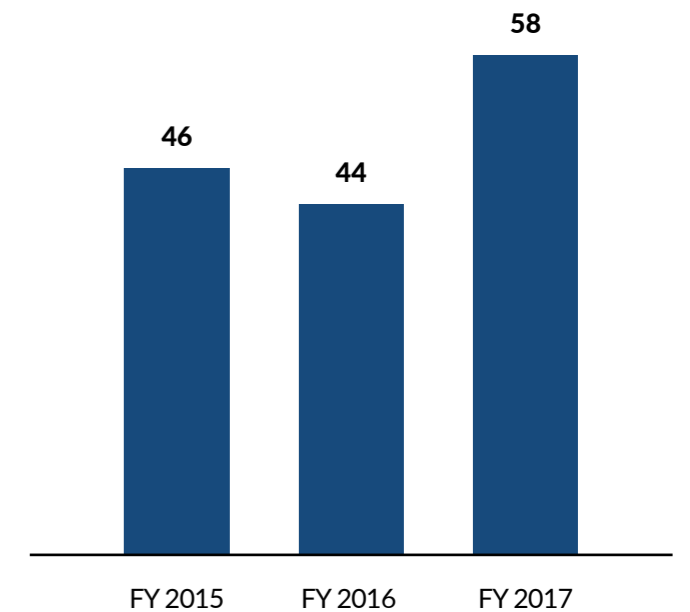
Stock Information for SWDY CA/SWDY EY

SWDY.CA/SWDY.EY (31/12/17)	
Issued Shares	Share Price
218,418,000 Shares	EGP 148.0
Listing Venue	Market Cap
The Egyptian Stock Exchange	EGP 34.5 billion

Business Line Review (Wires and Cables)
Capacity Split by Country, as a %



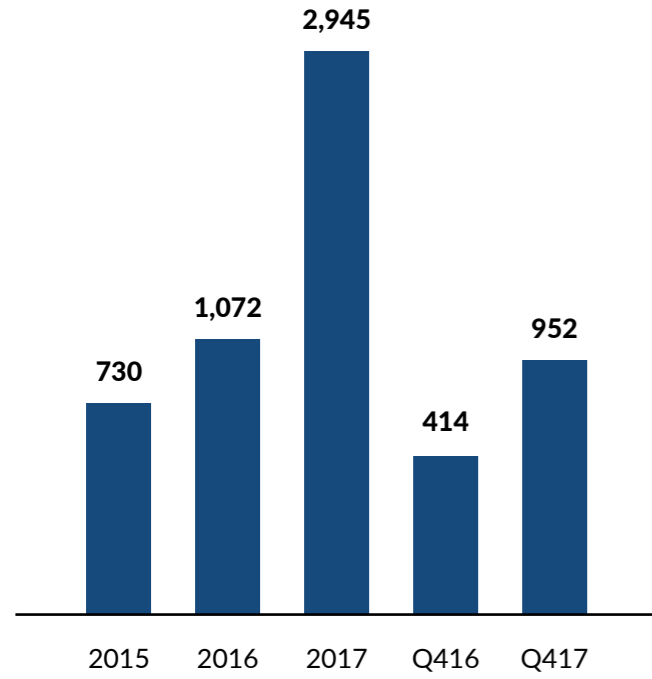
Transformers
Backlog (USD million)



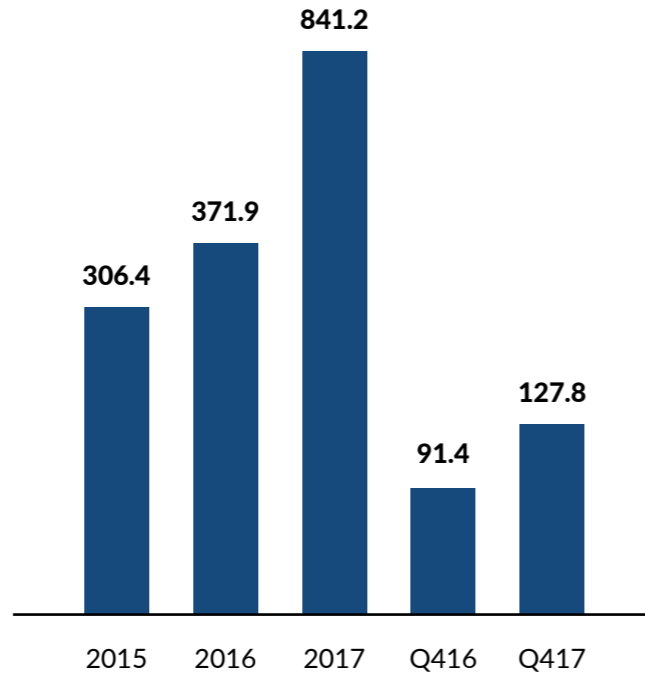
²⁰ Visit the website at <http://ir.ElsewedyElectric.com/en>

²¹ Transparency in Corporate Reporting – Assessing Emerging Market Multinationals 21

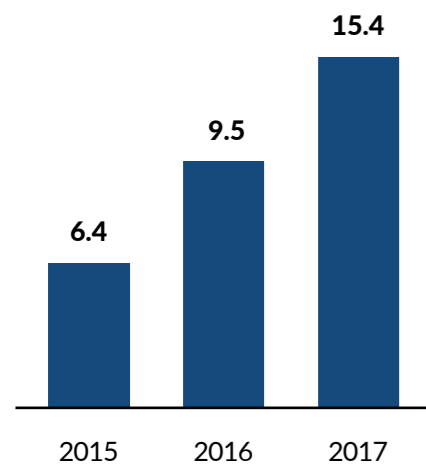
Meters
Revenue (EGP million)



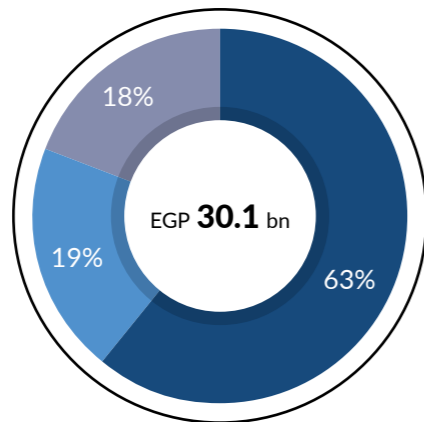
Electrical Products
Revenues (EGP million)



Turnkey Solutions
Revenues (EGP million)

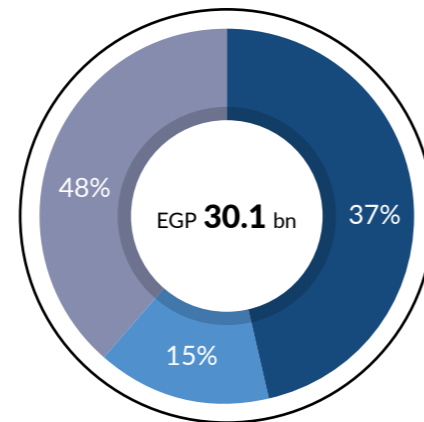


Backlog by Region

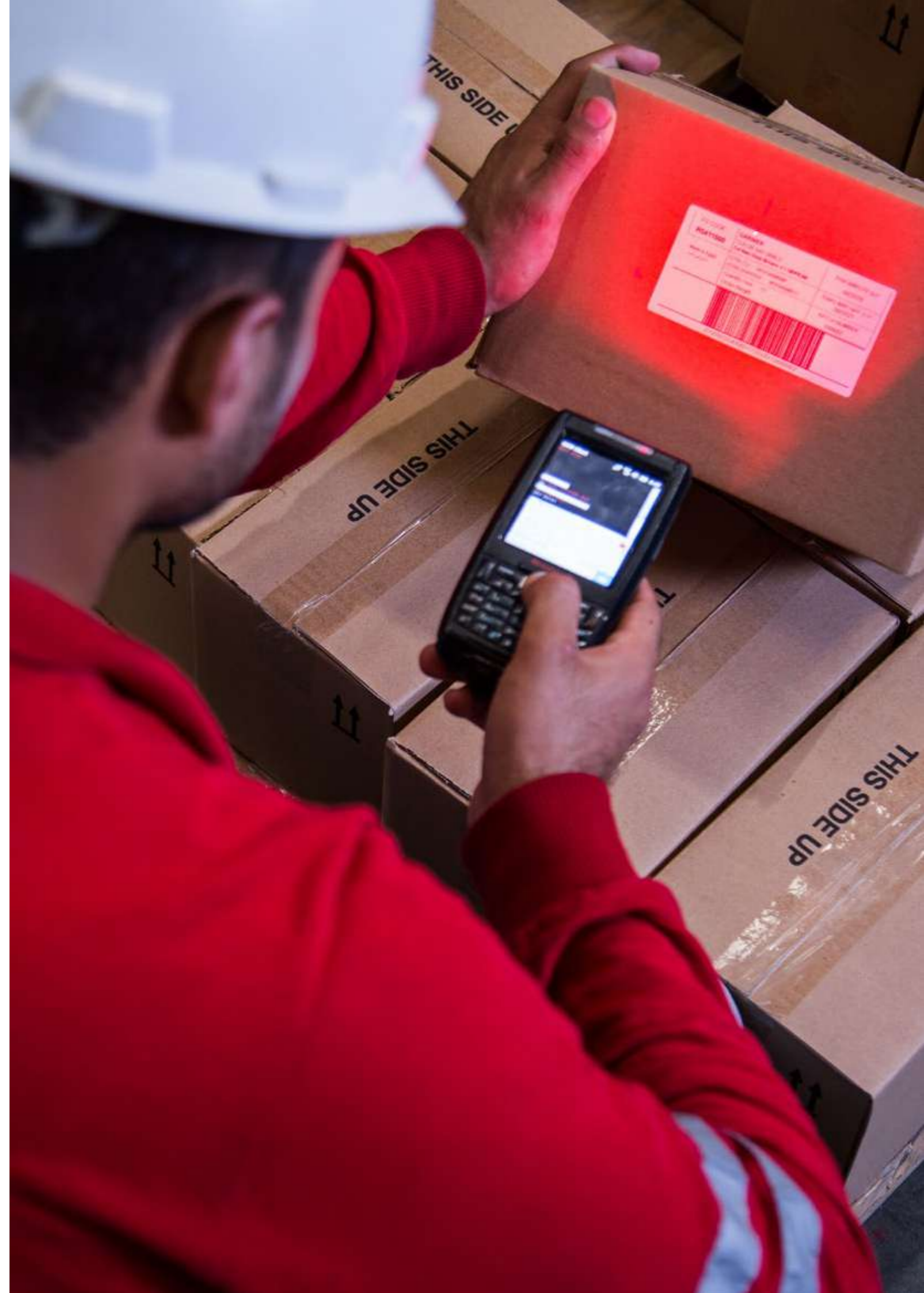


- Egypt
- Africa
- GCC

Backlog by Segment










- Power Generation
- Transmission and Distribution
- Civil Networks






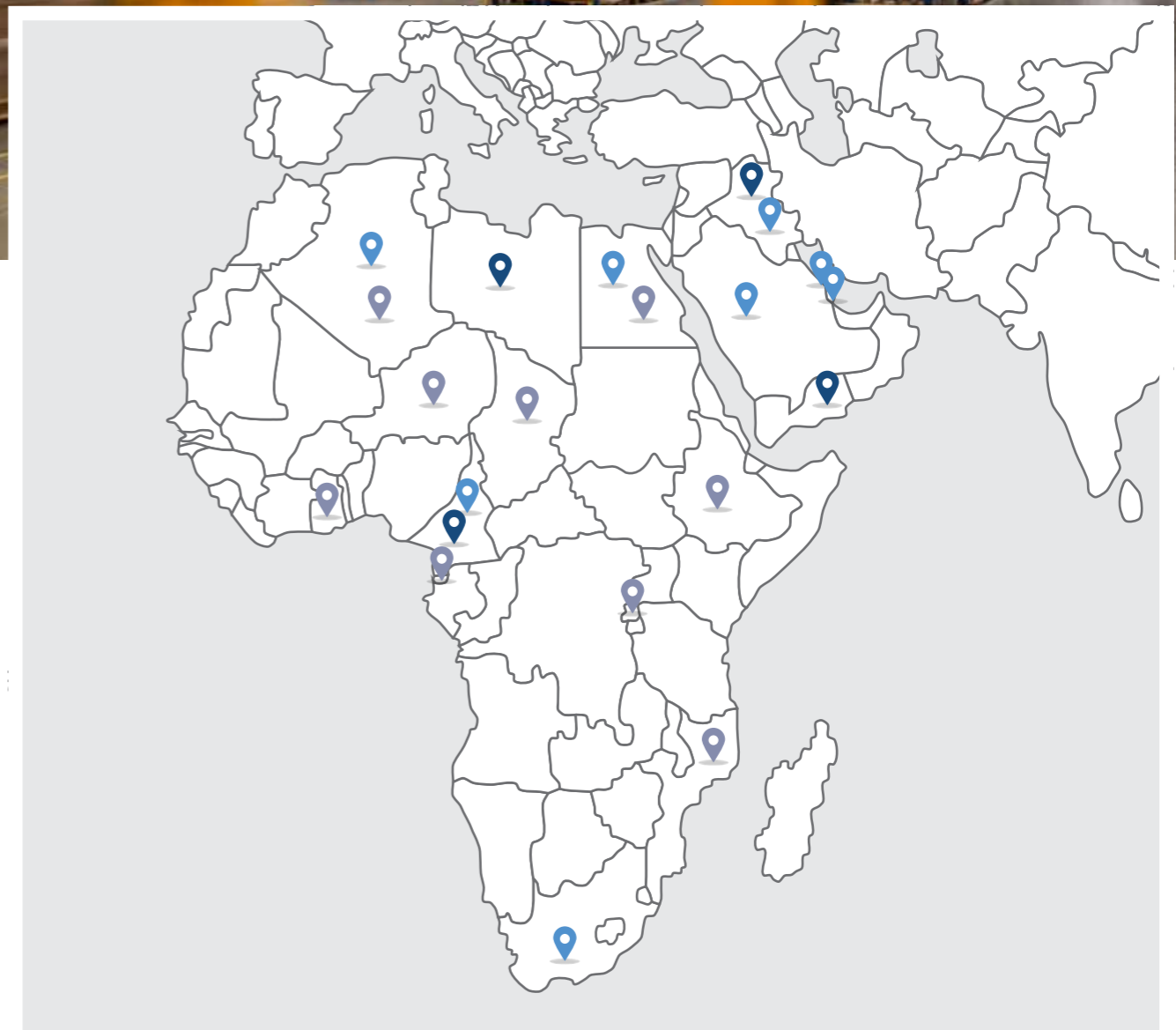
Geographical Reach

Our global presence can be categorized into eight main areas, alongside our exports:

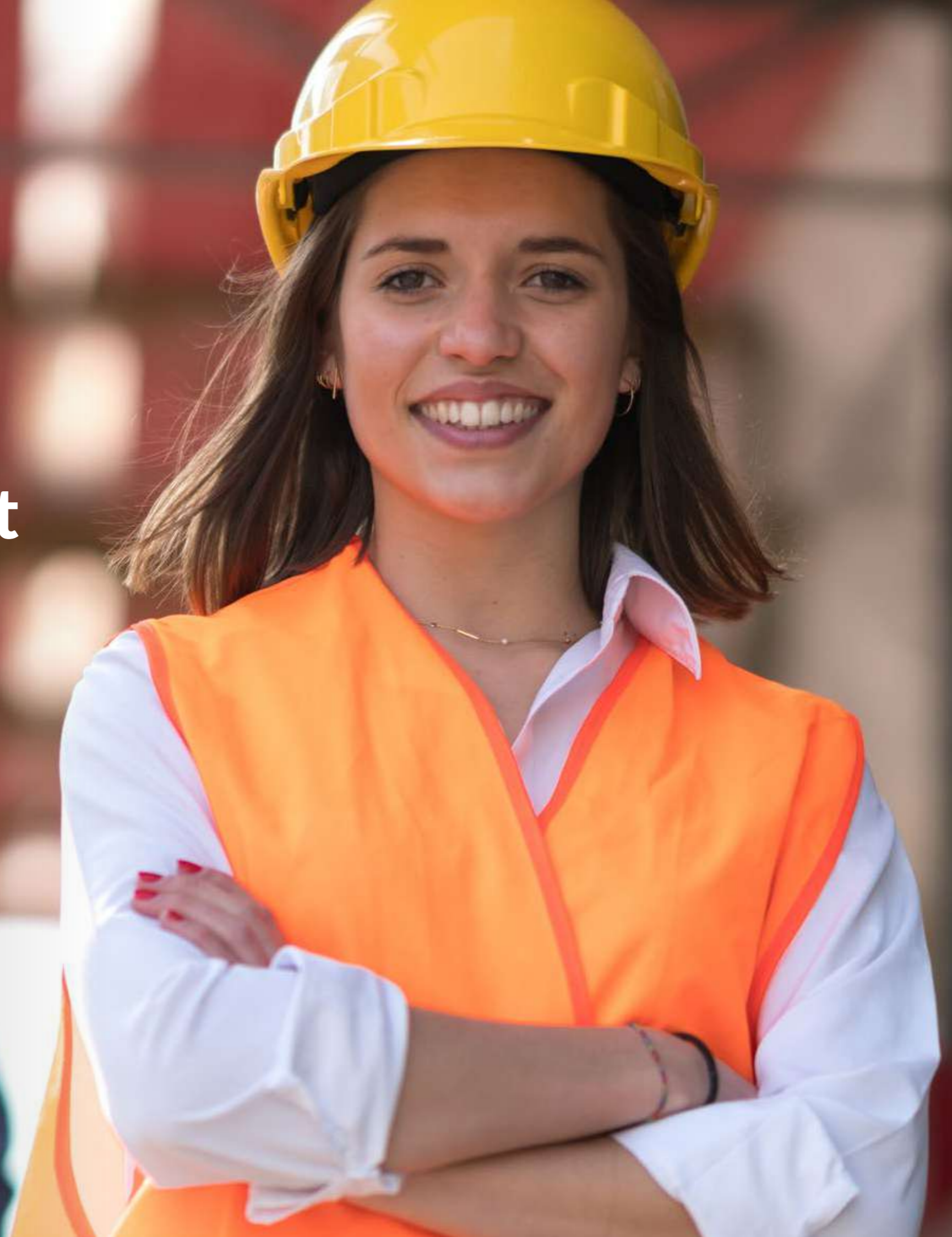
-  Cables and accessories
-  Electrical products
-  Meters
-  Transformers
-  Telecom
-  Renewable energy
-  Projects and development

We offer services for power, PSP, transmission, and distribution in the following countries:

-  **Power**
 - Iraq
 - Yemen
 - Cameroon
 - Libya
-  **PSP**
 - Egypt
 - Iraq
 - KSA
 - Qatar
 - Cameroon
 - South Africa
 - Algeria
 - UAE
-  **Transmission and Distribution**
 - Algeria
 - Chad
 - Egypt
 - Ethiopia
 - Equatorial Guinea
 - Ghana
 - Mozambique
 - Niger
 - Rwanda



Key Awards, Project Achievements, and Certifications



Global Recognition and Awards




2016 Best African Company of the Year



The fifth Africa CEO forum brought together over 1000 key decision makers in industry, finance, and politics from across Africa and around the globe. The conference provides an important platform for discussions and opportunities for business development and strategy refinement. In recognition of our remarkable expansion in African in 2016, Elsewedy Electric was awarded the 2016 Best African Company of the Year Award. The award was presented to Chief Executive Officer Ahmed Elsewedy, who reaffirmed our belief that “as an African company, Elsewedy has an obligation to take part in the development of Africa.”

Forbes Middle East highlights Egypt’s achievements at “Egypt 100” Conference



Elsewedy Electric was named one of the top 50 Egyptian companies by Forbes Middle East at their “Egypt 100” event. Award categories included “The Top 50 Egyptian Companies,” “The 25 Strongest Egyptian Start-ups,” and “The 25 Most Powerful Women.”

Elsewedy Electric Group ranked 6th among the best 100 companies in Egypt



For the third consecutive year, Elsewedy Electric placed among the 100 best companies listed on the Egyptian Exchange. The awards ceremony was attended by Prime Minister Sherif Ismail and the ministers of investment, of transport, of planning, and of public sector affairs, as well as the chief of the Egyptian exchange.

Elsewedy Electric is awarded the Global Challenger of the Year award by Boston Consulting Group



The Boston Consulting Group named Elsewedy Electric as a “BCG Challenger” for 2016. The BCG Global Challengers report identifies 100 fast-globalizing companies from rapidly developing economies that are driving global growth. These companies represent some of the fastest growing organizations in their industries. The report further spotlights innovative business models, emerging markets, and market trends for the companies’ industries.²²


²² Read the full BCG Global Challengers and Leaders 2016 report at http://image-src.bcg.com/Images/BCG-Global-Leaders-and-Challengers-June-2016_tcm9-180953.pdf

Elsewedy Transformers awarded new KEMA certificate in 2017



Elsewedy Transformers received a new KEMA certificate for dry transformers with a 3,150 KVA, 22KV rating, adding to its long list of accreditations. Continuing our commitment to produce distinguished products and services at international standards, Elsewedy Transformers has created a new maintenance services division, which offers full repair and maintenance services, including replacing spare parts for customers.

Elsewedy Electric to supply the Egyptian Electric Transmission Company with 50 power transformers



Elsewedy Transformers has signed a contract to supply 50 40MVA transformers with voltages of 66KV/11 and 66KV/22KV for substations in the National Electricity Network as part of the network’s response to frequent power cuts in the summer months of 2016. The scope of work includes: design, engineering, fabrication, factory testing, delivery to site, supervision of erection works, performing site testing and commissioning, supervision of putting-in-service, and insurance until final certification. Additional services will include warranty and training for the 50 transformers as well as for outdoor power transformers. Total contract value is USD 23 million.

Power generation transmission projects in Ghana



Elsewedy Electric CEO, Ahmed Elsewedy, met with His Excellency John Dramani Mahama, Vice President of Ghana, to discuss cooperation on power generation projects to be financed by the Group. Particular focus was given to Independent Power Plant (IPP) and Partnership Private Sector (PP) projects.

Project Profiles

Beni Suef

In 2015, as part of a consortium with Siemens, Elsewedy Electric signed an EPC and finance contract for the Beni Suef 4,800 MW combined-cycle power plant for the Egyptian Electricity Holding Company (EEHC). This EUR 2 billion contract is a part of total contracts worth EUR 8 billion for boosting Egypt's power generation capacity. Siemens will supply on a turnkey basis, 14,400 MW from three natural gas-fired combined-cycle power plants and 2,000 MW from up to 12 wind farms. Each of the three power plants will be powered by eight Siemens 400 MW gas turbines, type 8000H.

Beni Suef Combined-Cycle Power Plant

- **Location:** Beni Suef, Egypt
- **Capacity:** 4,800 MW (4 CC blocks, 2-on-1, SGT5-8000H)
- **Owner:** Egyptian Electricity Holding Company
- **Main Contractors:** Siemens AG and Elsewedy Electric
- **Project Description:** 4x1200 MW combined-cycle power plant (2+2+1) SCC5-8000H
- **Multi-shaft, combustion turbine generators:** 400 MW; steam turbine generator: 400 MW; each combined-cycle module consists of 2 CTG, 2 HRSG, and 1 STG, including all auxiliaries, and 8 Benson type vertical HRSG by NEM with by-pass stacks
- Siemens T3000 control system
- **Scope:** All plant construction and erection, with all non-power block engineering and procurement, including 500kV GIS substation
- **Project Duration:** 34 months (completed 2017).

Key features of the plant include:

- 6,000 Egyptian workers
- 22 million working hours
- Zero lost time due to injuries.

The first 150-days after NTP saw the:

- Cutting, excavation, demolition, and removal of 1.75 million m³ of rock
- Installation of 6 gas turbines, Siemens H-Class with all auxiliaries
- Erection of 6 main transformers, 500kV and 6 auxiliary transformers
- Erection of 10.15 million kg of steel structure
- Laying of 483,000 meters of cables
- Installation of 6 bypass stacks.

Construction

SODIC Allegria Club House

Our first successful cooperation between Sodic and Rowad Modern Engineering (RME) was for the construction of Westown Hub, one of the top open malls in Egypt. RME and Sodic have agreed to work together again on the construction of Sodic Allegria Clubhouse, which Sodic has marked as one of its upcoming landmark projects.

Location: Cairo, Egypt

Client: Sodic

Contract Value: EGP 170 million

Project Duration: 26 months.

Beni Suef 6XOOOTPD Clinker Cement Plant

In cooperation with the Chengdu Design and Research Institute of Building Materials Industry Co., Ltd, RME has been awarded the contract for civil works at the GEO Cement Plant, Line 3. The project represents a great challenge to RME in terms of the project deadline of 14 months.

Location: Beni Suef, Egypt

Client: Government of Egypt

Contract Value: EGP 207 million

Project Duration: 14 months.

Refurbishment of the Port of Algiers Container Terminal

In cooperation with DP World, RME has been awarded a contract to upgrade Port of Algiers container terminal. The project involves the rehabilitation of the 30ha container terminal currently operated by DP World. The work includes: ship-to-shore (STS) crane foundation works, quay wall, apron refurbishment behind quay walls, and reconstruction of the yard, including all services and utilities.

Location: Algeria

Client: DP World Djazaier

Contract Value: c. USD 60 million

Project Duration: 30 months.

PKG#53 Construction of Village F (West) 'SIERRAS'

RME has been contracted to deliver SIERRAS residential buildings for the Uptown Cairo development on a turnkey basis.

Location: Uptown Cairo, Mokattam, Cairo Egypt

Client: Emaar Misr

Contract Value: EGP 350 million

Project Duration: 29 months.

Mostasmereen 220/66/11 KV GIS Substation

Work by our GE and RME consortiums on the French funded Mostasmereen substations is progressing. The project is a high priority for the Egyptian Ministry of Electricity, and includes the EPC construction on Al Mostasmereen substation 22/66/11 KV, Ismailia substation 500/220 KV, Beni Suef substation 500/220 KV, and Tmai El Amdeed substation 500/220 KV.

Location: Egypt

Client: Egyptian Electricity Transmission Company (EETC)

Contract Value: EUR 225 million

Project Duration: 20 months.

FIEM 120 MW and KFW 40MW Wind Farms Projects

RME's successful delivery of the JIC 220MW wind farm in cooperation with Gamesa resulted in RME being chosen to continue as Gamesa's favored civil works contractor. Projects to be undertaken by RME are the FIEM 120 MW and KFW 40 MW wind farms. These wind farms are composed of 80 Gamesa G80-2MW wind turbines. The total installed power at Gulf El Zeit will be 160 MW. RME is the only civil contractor in Egypt serving the wind energy sector.

Location: Gulf El Zeit, Egypt

Client: Gamesa

Contract Value: c. EGP 100 million

Project Duration: 9 months.

Maxim Mall

RME's reputation as a top contractor for shopping mall construction led to RME being awarded us the Maxim Mall turnkey construction project.

Location: New Cairo, Egypt

Client: Maxim Holding

Contract Value: EGP 120 million

Project Duration: 12 months.

Bridges

The Egyptian government has chosen RME to join the select contractors tasked with building the country's ambitious road and transportation expansion projects. These projects have been declared important national strategic objectives. RME's past projects include Al Amal Bridge, Mall of Egypt, and Cairo Capital City bridges. RME continues to demonstrate our ability to deliver results on time without cost overruns and without sacrificing quality.

Hyper One Market - Al Solymanya

RME has been appointed to carry out the construction of Hyper One Market, Al Solymanya. RME is responsible for the complete civil construction works, finishing works, sanitary, and firefighting works.

Power Generation

EPC Contract for Two Power Generation Plants in Egypt: Mahmoudia Simple-cycle Power Plant, Behira, and Attaqa Simple-cycle Power Plant

Location: Suez

Date Awarded: January 2015

Contract Value: USD 706 million

Capacity: 980 MW

Client: Egypt's Ministry of Electricity and Renewable Energy

Scope: Construction of 2 power plant projects with 6 heavy-duty gas turbine packages

Status: Completed.

EPC Contract Alongside Siemens AG for New Combined-Cycle Plant in Egypt

Date Awarded: June 2015

Contract Value: 2,000,000,000 EURO (Elsewedy Electric portion: 785,000,000 EURO)

Capacity: 4,800 MW

Client: Egyptian Government

Scope: Engineering, procurement, and installation of balance of plant, in addition to the erection and installation of SIEMENS turbines

Status: 2018-scheduled completion.

EPC contract for three power generation plants in Angola

Location: Camama, Cazenga and South Lunda
Date Awarded: February 2016
Contract Value: 484,500,000 USD
Capacity: 500 MW
Client: Angola Ministry of Electricity and Water (part of Angola's 2016 Emergency Power Plan)
Scope: Construction of three power plants using GE gas turbines
Status: 2018 Scheduled Completion.

EPC Contract for DEWA Aweer H IV - Gas-Fired Simple Cycle

Location: UAE
Contract Value: USD 306 million
Capacity: 800 MW
Client: Dubai Electricity and Wael Authority (DEWA)
Scope: Full-scope EPC
Status: Pre-award.

IPP Contract for Benban

Location: Aswan, Egypt
Project: Solar 1x65MWp
Contract Value: USD 140,000,000
Capacity: 65 MW
Client: Egyptian Electricity Transmission Company (EETC)
Scope: Build-own-operate sponsor and developer
Status: Financial Close.

EPC Contract for RAK

Location: UAE
Project: Gas-Fired Combined-Cycle
Contract Value: USD 1.25 billion (USD 550 million Elsewedy share)
Capacity: 2,490 MW
Client: Mubadala-Siemens (Project Developers) and Federal Electricity and Wael Authority in Ras Al Khaima, UAE
Scope: Engineering, procurement, and installation of balance of plant and marine works, in addition to the erection and installation of Siemens turbines
Status: Pre-award.

EPC Contract for ALDIWANIYA Simple Cycle Power Plant

Location: Diwaniya Iraq
Capacity: 500 MW
Scope: Greenfield for 4x125 MW GE Gas Turbine, Fr. 9E
Status: Completed and connected on 400kV grid in 2015.

Package Contractor for PP12 Combined-Cycle Power Plant

Location: Saudi Arabia
Capacity: 2,400 MW
Scope: EBoP for 8xGE 7F.05.

Package Contractor for Nubaria Combined-Cycle Power Plant

Location: Nubaria, Egypt
Capacity: 3x750 MW
Scope: EBoP, E&M, Installation for HRSGs & Boilers.

Package Contractor for Banha Combined-Cycle Power Plant

Location: Banha, Egypt
Capacity: 650 MW
Scope: EBoP and MBoP.

Package Contractor for Jeddah South Thermal Power Plant

Location: Saudi Arabia
Capacity: 4x660.

Package Contractor for Eltebbin Thermal Power Plants

Location: Egypt
Capacity: 2x350 MW
Scope: Power Evacuation Package.

Package Contractor for Suez Thermal Power Plant

Location: Egypt
Capacity: 650 MW
Scope: STG Electrical Installations.

Package Contractor for Abu Quir Thermal Power Plant

Location: Abu Quir, Egypt
Capacity: 2 x 650 MW
Scope: EPC of Electrical and Mechanical BoP.

Package Contractor for Ain El Sokhna Supercritical Power Plant

Location: Egypt
Capacity: 2x650 MW
Scope: EBoP and E&M, Water Treatment Plant.

Package Contractor for Cairo West Thermal Power Plants

Location: Egypt
Capacity: 2x350 MW
Scope: Power Evacuation Package.



Package Contractor for Alshabab Simple Cycle Power Plant

Location: Egypt
Capacity: 1,000 + 500 MW
Scope: EBoP.

Package Contractor for 6th of October Simple Cycle Power Plant

Location: 6th October City, Egypt
Capacity: (8 + 4) x150 MW
Scope: EBoP.

Package Contractor for West Damietta Cycle Power Plant

Location: Damietta, Egypt
Capacity: 500 + 250 MW
Scope: EBoP.

Transmission and Substations

Consortium with Siemens for two substations in Egypt

Location: Delta region, Egypt

Client: Egyptian Electricity Transmission Company (EETC)

Scope: The new substations will transmit electricity from the Burullus power plant (set to become the world's largest combined-cycle station) to supply up to 15 million Egyptians with reliable electricity. The substations will power delivery to Egyptian homes as well as to industries in the Delta region, and will increase the capacity of the national grid. The fast-track project is being executed in consortium with Elsewedy Electric for construction of the substations. Once completed, the substations are set to become one of the largest turnkey substations ever supplied to the national grid. The fast-track project is being executed in consortium with Elsewedy Electric for the construction work of the substations. Once completed, the substations are set to become one of the largest turnkey substations ever supplied to the national grid.

Berket Ghelion

Location: Egypt

Scope: 66/22 KV AIS substation. Engineering, design, fabrication, factory testing, site delivery, loading, unloading, civil works, installing, testing, commissioning, training, insurance until handover, and warranty.

Packages included: 66 KV AIS equipment; 66 KV indoor equipment; 66 KV power Transformers 2x40 MVA; 22 KV S/G; capacitor bank; control, measuring and protection system; telecom system; auxiliary system (auxiliary transformer, AC, DC, chargers and batteries); HV, MV, and control cables; earthing system, electromechanical works including HVAC, lighting and small power system; firefighting system, fire detection system, and sewage network; civil works

Project Duration: 6.5 months (usual duration is 12 months)

Key achievements: 120 Egyptian workers; 187,200 safe working hours.

Cairo Capital S1

Location: Egypt

Scope: 500/220/66/22 KV GIS substation. Engineering, design, fabrication, factory testing, site delivery, loading, unloading, civil works, installing, testing, commissioning, training, insurance until handover and warranty.

Packages included: 500/220/66 KV GIS equipment; 500/220/66 KV outdoor equipment; 500 KV power

transformers '2x750 MVA'; 220 KV power transformers '2x175 MVA'; 66 KV power Transformers '6x40 MVA'; 22 KV S/G; capacitor bank; control, measuring, and protection system; telecom system; auxiliary system (auxiliary transformer, AC, DC, chargers and batteries); HV, MV and control cables; earthing system, electromechanical works including HVAC, lighting, and small power system; firefighting system, fire detection system and sewage network; civil works.

Project Duration: 12 months (usual duration is 12 months)

Key achievements: 25 Egyptian workers, 3,000 safe working hours.

Substation South 110 Military

Location: Al Kayan, Egypt

Scope: 220/22 KV GIS substation. Engineering, fabrication, factory testing, receiving, unloading, storing, civil works, erection, testing, commissioning, training, technical assistance, insurance until handover, and warranty

Packages included: 220 KV GIS switchgear; 2x175 MVA 220/22/22 KV transformers; 4x22 KV switchgear; 4x9 MVA capacitor bank; control, measuring, and protection system, 2x1000 KVA transformers; 4 earthing transformers; 1 LV switchgear; 1 DC battery, battery charger and DC distribution system; substation automation system (SAS); communication system, including 48 VDC system; MV, LV, control cables, and accessories; earthing and lightning protection system; electromechanical works including HVAC, lighting, and small power system; firefighting system, fire detection system and sewage network; civil works

Project Duration: 8 months

Key achievements: 220 Egyptian workers, 422,400 safe working hours.

New Akhmen, 500 KV OHTL

Location: East Assuit and East Qena, Egypt

Scope: 356 km of 500 KV overhead transmission lines (OHTL)

Key Achievements: Engineering, supply and construction of 950 towers and quadruple bundle conductor 500 KV for the first time in Egypt; supplied 8,000 tons of steel towers and 4,500 tons of aluminum reinforced conductor 490/65mm; 250,000 m3 excavation; 220,000 m3 backfilling; 44,000 m3 reinforced concrete; 150 towers erected

Project Duration: 6 months

Key achievements: 850 Egyptian workers; 1,224,000 safe working hours (zero LTA).



Abo Quir-Badr Single Circuit (OHTL)

Location: Egypt

Scope: Abu Quir-BADR 500 KV, Single circuit OHTL approximately 400km long "3 Lots."

Kurimat-Samalout Double Circuit (OHTL)

Location: Egypt

Scope: Kurimat 500KV double circuit OHTL.

Elsewedy cement factory HV Substation of 220/11kV in Suez City

Location: Suez, Egypt

Scope: Construction of the new substation GIS HV Substation of Elsewedy Cement (Suez City) 220/11kV, 2x40 MVA outdoor configuration type double busbar.

EPC Contract for Suez Gulf GIS Substation

Location: Egypt

Voltage: 500/220/22 kV

Status: Contract Stage.

EPC Contract for Manshiat Nasser GIS Substation

Location: Egypt

Voltage: 220/66/22 kV

Status: Under Construction.

EPC Contract for Diwaneya GIS Substation

Location: Iraq

Voltage: 400 kV

Status: Under Construction.

Serafi 110 kV GIS Substation

Location: Saudi Arabia

Voltage: 110/13.8 kV

Status: Completed December 2017.

132/11 KV ALWUKAIR 11 GIS substation

Location: Qatar

Voltage: 132/11 kV

Status: Completed October 2017.

Arabian Cement AIS Substation

Location: Egypt

Voltage: 220/22 kV.

Suez Steel AIS Substation

Location: Egypt

Voltage: 220/33 kV.

Ezz Steel GIS Substation

Location: Egypt

Voltage: 220/33 kV.

Table of Projects

Location	Client	Project Description	Contract Year	Con Consortium Partner(s)
Egypt	Upper Egypt Electricity Production Company (UEEPC)	EPCwithtesting,commissioning,start-up,andcivilworksforBeniSuef500kV GIS Substation		Consortium Siemens AG and Elsewedy Electric
Egypt	EgyptianElectricity Transmission Company (EETC)	Engineering, Supply, Construction, Installation, Commissioning, Testing and Warranty of six no. 500/220KV GIS Substations <ul style="list-style-type: none"> • 500/220/22kV Substation at Etay Elbaroud • 500/220/22kV Substation at West Maghagha • 500/220/22kV Substation Extension at Kafr Elzayat • 500/220/22kV Substation at Wadi Elnatroun • 500/220/22kV Substation at East Assuit • 500/220/22kV Substation at East Banha 	2015	
Egypt	EgyptianElectricity Transmission Company (EETC)	Turnkey, lump sum EPC for: <ul style="list-style-type: none"> • Substation 500/220/22 kV of Ismailya East • Substation 500/220/22 kV of Beni Suef • Substation 500/220/22 kV of Tamy El Amdeed • Substation 220/66/11 kV of Mostasmereen 	Jun 16	
Jeddah, Kingdom of Saudi Arabia	Al Serafi Park Residential Complex Authority	The Construction of Al Serafi Jeddah Park 110 kV GIS S/S on turnkey basis		None
Doha, Qatar	SAK Holding Group	Establishment of new 132/11kV transmission substation – Al Wukair 11 on EPC basis		None
Canal Region, Egypt	EgyptianElectricity Transmission Company (EETC)	The EPC Construction of Zaafrana 220/220 kV GIS Substation		The Consortium of DWI/ HHI/ Elsewedy Electric
Egypt	EgyptianElectricity Transmission Company (EETC)	The Construction Suez Gulf 500/220/22 kV GIS Substation on turnkey basis		Consortium of Hyosung/ Elsewedy Electric

Location	Client	Project Description	Contract Year	Con Consortium Partner(s)
Egypt	Arabian Cement Company	EPC contract of 220/6.6 KV S/S extension bay to serve the required power for Arabian Cement Factory, connection with the grid, project includes design, engineering, supplying, installing, testing, commissioning, and start-up of 220KV kV AIS substation		None
Egypt	Elsewedy Industries	220/11 KV S/S to interconnect Elsewedy Cement Factory with the grid through tie-in overhead transmission lines project including design, engineering, supplying, installing, testing, commissioning, and start-up of 220KV kV AIS substation	Jan 2010	None





Power Distribution

El Mostakbal City

Location: Mostakbal, Egypt

Scope: Supply and construction of 14 distribution boards inside Switch Gear room; 14 transformers inside the transformer building; supply, install, and test low voltage panels; supply and install Earthing system; supply, install, connect, and test 18/30 KV multicore cables; supply, install, and connect street lighting system

Civil works: transformer building, distribution point building, cables

Key achievements: 120 Egyptian workers, 540 safe working hours.

Egypt Metro XLPE 220 KV

Location: Cairo, Egypt

Scope: Abassia metro line to Ain Elsira, underground Cables XLPE 220 KV, 200 KV/62 km.

Kouraymatt XLPE 220 KV

Location: Egypt

Scope: Cairo East S/S to Kouraymatt underground cables XLPE 220 KV, 220 KV / 60 km.

El-Tebbin XLPE 220 KV

Location: Egypt

Scope: Tebbin GIS to Tebbin south underground cables XLPE 220 KV, 220 KV / 49.2 km.

Melk Awakena

Location: Ethiopia

Scope: Distribution project.

Two Primary Substations

Location: Ghana

Scope: Supply & Installation.

Proyecto de Electrificación de Los Cinco Municipios de Nueva Creación a Saber

Location: Guinea

Scope: Nzangyong, Rio Campo and Cabo San Juan via ABC networks.

Matola - Maputo

Location: Mozambique

Scope: Network Expansion, Service Connection 5.

ISO Certifications

To meet market requirements and to improve our standards and quality assurance methods, Elsewedy Electric invests in development systems such as the ISO and Total Quality Management Approval. Elsewedy Electric has a large range of ISO certifications that cover HSE, supply chain regulations, environmental responsibility, export rights, and management systems such as ISO 50001.

3W Networks

ISO 9001:
2015

ISO 14001:
2015

BS OHSAS
18001:
2007

ISO 27001:
2013

ISO/TS
29001:
2010

Iskraemeco

ISO 9001

ISO 14001

OHSAS18001

ISO 17025

Measuring Instrument
Directives (MID)

RME

ISO 14001

ISO 9001

OHSAS 18001

Elastimold Egypt/Elsewedy SEDCO

ISO 9001: 2008

OHSAS 18001: 2007

ISO 14001: 2015

United Wires Company

ISO 9001: 2008
(certified in relation to the design
and manufacturing of galvanized
steel wires and overhead
conductors)

Elsewedy Cables

ISO 9001: 2015
(Egytech Cables)

ISO 9001: 2008
(Egytech - Elsewedy
Cables Egypt, UMC)

ISO 14001: 2004

BS OHSAS 18001:
2007 (Egytech -
Elsewedy Cables
Egypt, A1 and A3)

Esewedy Electric T&D

ISO 1400: 2004
(certified in relation to the engineering, procurement, and management of installation activities for electrical power transmission and distribution projects at the head office)

ISO 9001: 2015
(certified in relation to the engineering, procurement, construction, and management of installation activities for electrical power generation, transmission, and distribution projects)

ISO 14001: 2004
(certified in relation to the engineering, procurement, and management of installation activities for electrical power transmission and distribution projects at the head office)

OHSAS 18001: 2007
(certified in relation to the engineering, procurement, and management of installation activities for electrical power transmission and distribution projects at the head office)

Esewedy Transformers

IRC 60076-11: 2004-2005

ISO 9001: 2008
(certified in relation to the design, manufacturing, and after-sales services of power transformer and distribution transformer (oil and dry))

ISO/IEC 17025: 2005
(certified in relation to the testing of electrical transformers (EL SEWEDY Transformers Company and laboratories))

ISO 14001: 2004
(certified in relation to the design, manufacturing, and after-sales services of power transformer and distribution transformer (oil and dry))

OHSAS 18001: 2007
(certified in relation to the design, manufacturing, and sales of power transformer and distribution transformer (oil and dry))



Esewedy SEDCO for Petroleum Services			
OHSAS 18001: 2007	ISO 14001: 2015	ISO 9001: 2015	
Egyptian Company for Plastic Industry		Egyptian Co. For Manufacturing Electrical Insulators (ECMEI)	
BS OHSAS 18001: 2007	ISO 9001: 2015	ISO 9001: 2008	
		ISO 14001: 2004	
		OHSAS 18001: 2007	
ISO 14001: 2004	COR 1: 2009	ISO/IEC 17025: 2005 (Certified in relation to the testing of insulators)	
SET-SIAG Esewedy Towers		Inter-Design Group-Environmental Management System EMS	
ISO 9001: 2008 (Certified in relation to the production and pre-assembly for wind energy towers, as well as steel components)		ISO 14001: 2004 (Certified in relation to the consultation, design and build in all electro-mechanical fields)	
ISO 14001: 2004 (Certified in relation to the production and pre-assembly for wind energy towers, as well as steel components)		MS-005-E-0861	
OHSAS 18001: 2007 (Certified in relation to the production and re-assembly for wind energy towers, as well as steel components)		Our 'Proudly Made in Egypt' seal on all products is in support of the campaign by the Egyptian Ministry of Industry and Foreign Trade aiming to increase Egypt's dependence on locally manufactured, high-quality products.	

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