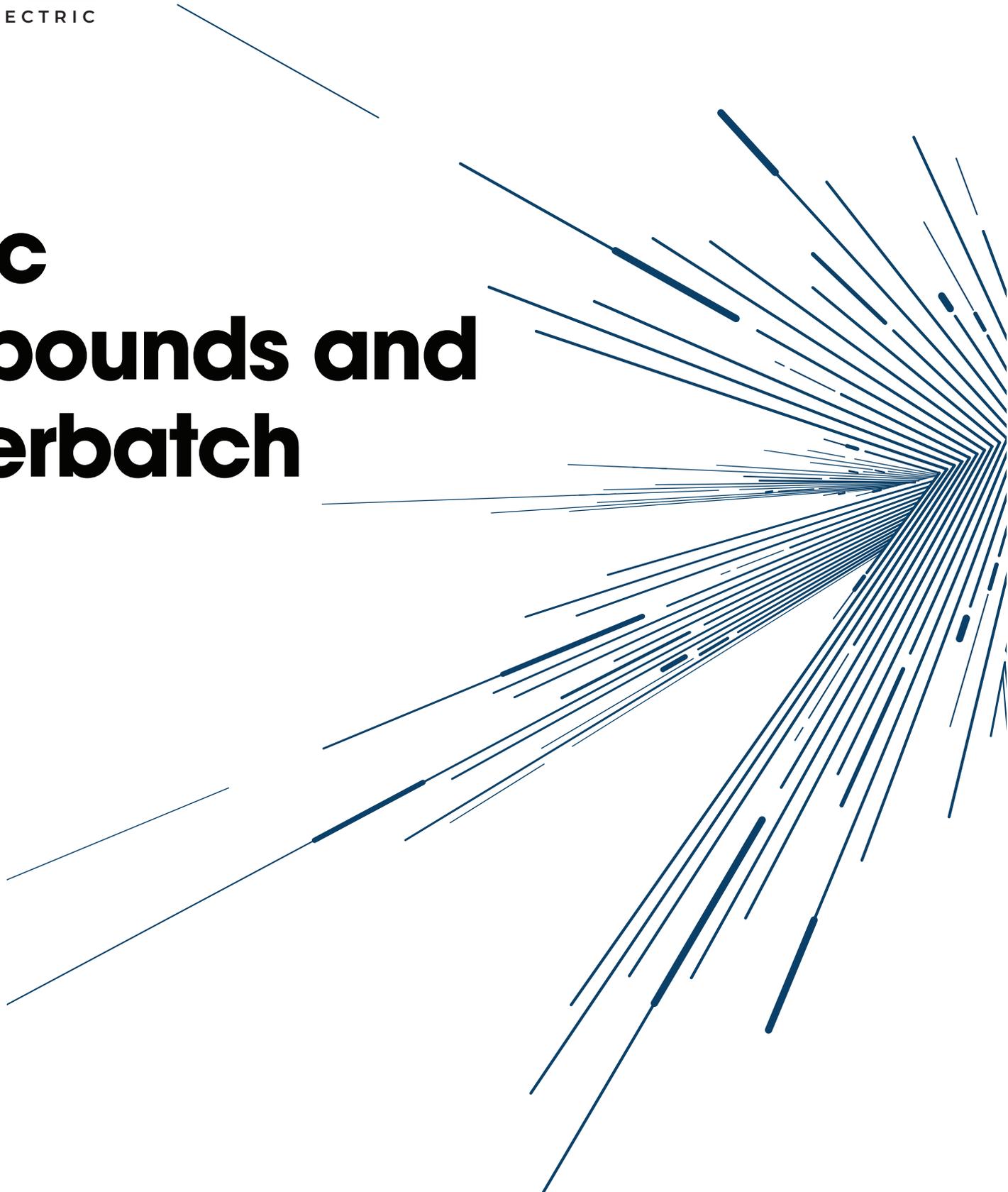
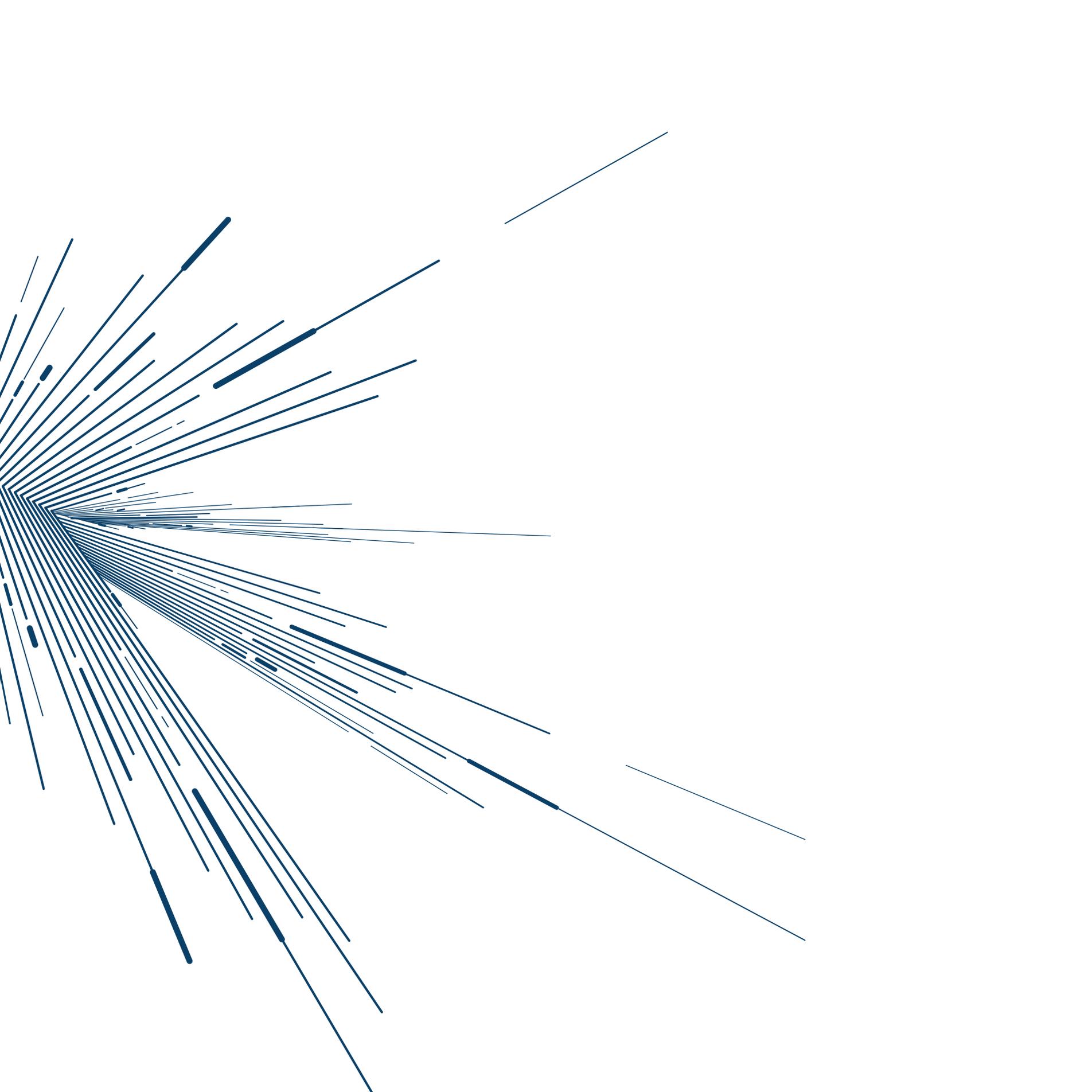


# Plastic Compounds and Masterbatch





# Table of Contents

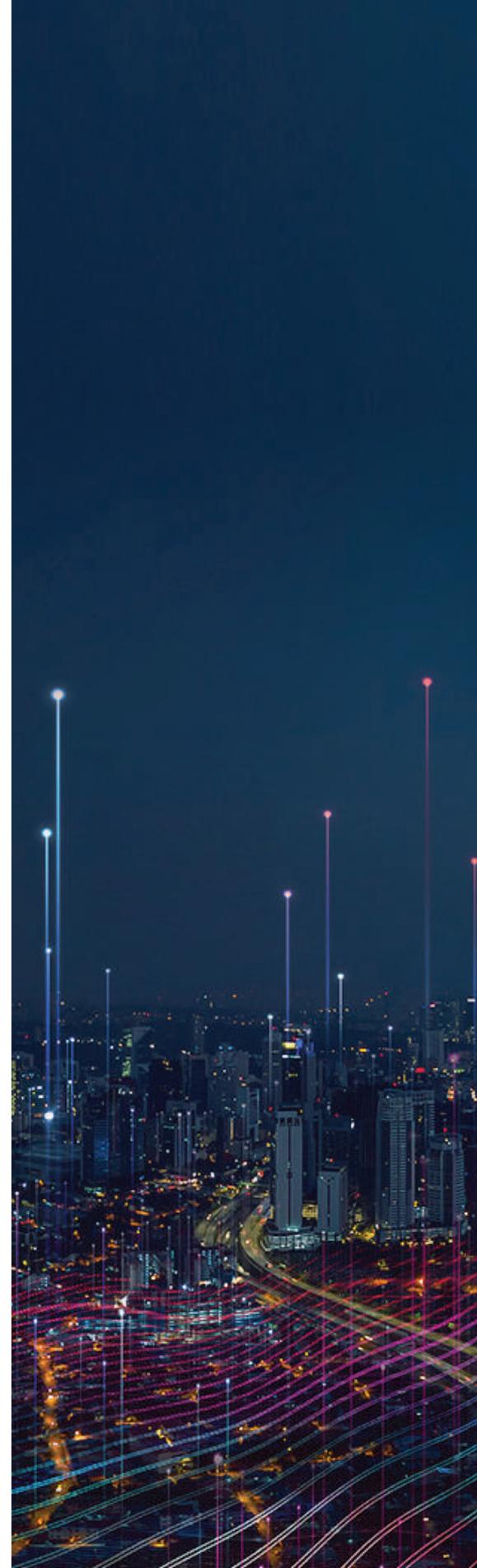
<b>About Elsewedy Electric</b>	02
<b>About Egyplast</b>	04
Export Markets	05
<b>Product Range &amp; Applications</b>	
PVC Compound	08
Masterbatch	14
Special Compounds	19
PP Fibers (Polypropylene fiber)	24
Fiberglass Poles	27



Empowering Generations

# ABOUT ELSEWEDY ELECTRIC

A global leader that has evolved from a local manufacturer of electrical products into an integrated infrastructure solutions provider; with over 18,000 employees and with recorded revenues of more than USD 4.8 billion in 2022. We Operate in five key business sectors: Wire, Cable & Accessories, Electrical Products, Engineering & Construction, Digital Solutions, and Infrastructure Investments. With a strong presence in 19 different countries, 31 production facilities spread across African and Asian countries including Egypt, Algeria, KSA, Qatar, Indonesia, Pakistan, and Tanzania. We export a wide range of high-end products to over 110 countries worldwide. At the heart of our approach is an all-in-one integrated Engineering, Procurement & Construction (EPC) service, enabling us to deliver the most complex turnkey projects on time and with the highest efficiency.



## We operate in five key business sectors:



**Wire, Cable  
and Accessories**



**Electrical  
Products**



**Engineering  
and Construction**



**Digital  
Solutions**



**Infrastructure  
Investments**

# ABOUT EGYPLAST

In 1996, Elsewedy Electric made the decision to invest in the plastics industry with a vision to fill the market gap of high quality Plastic Compounds, by establishing Egyptian Company for Plastic Industry EGYPLAST BY ELSEWEDY ELECTRIC.

At EGYPLAST, we create polymers' compounding and processing for sustainable future, combining economic success with environmental protection and social responsibility, with more than 800 employees contributing in the success our customers in various sectors both locally and globally.

Our portfolio is divided into five segments: PVC Compound, Masterbatch, Special Compounds, PP Fiber and Fiberglass Poles.

Considered one of the largest plastic compound manufacturers in the Middle East & Africa, with special attention to PVC compound, special cable compounds and masterbatch with an annual production capacity of 140K tons.



**5**

Factories



**+800**

Employees



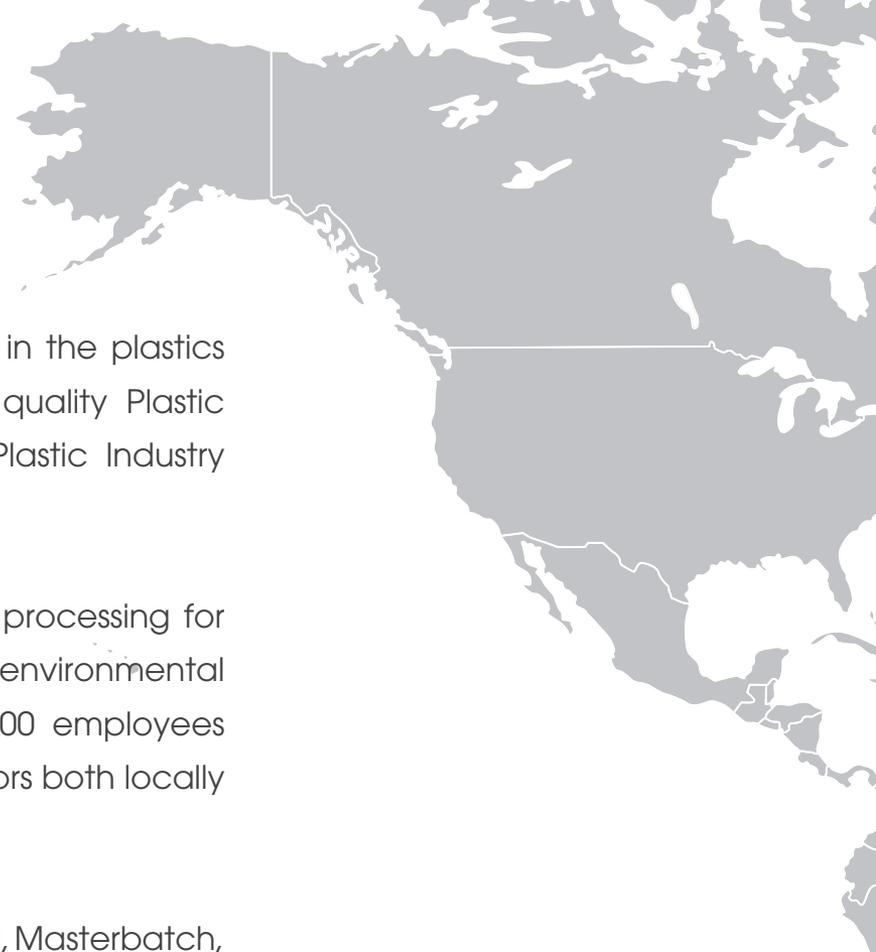
**29**

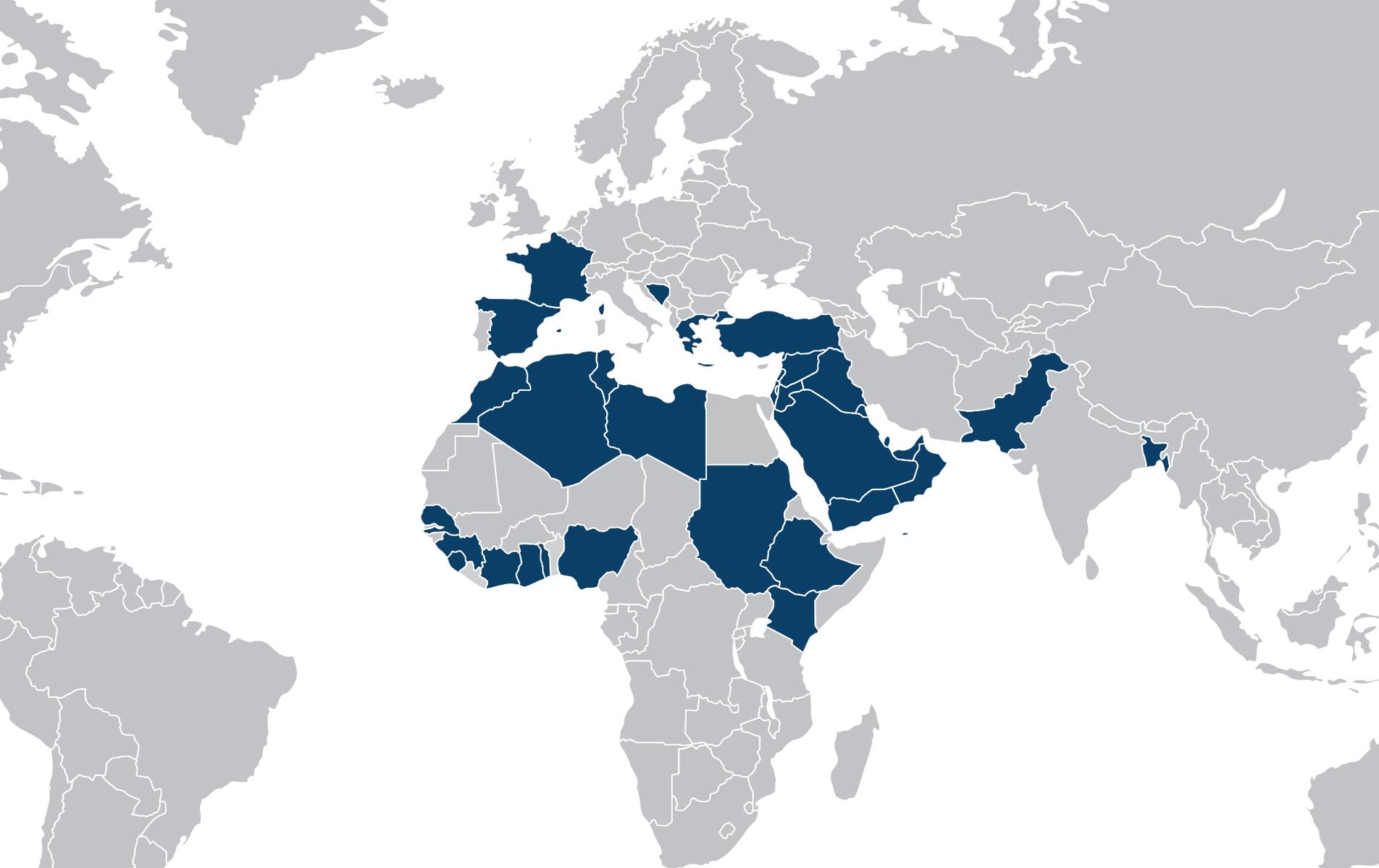
Production lines



**34**

Export Markets





- |   |  |  |  |   |  |  |
|---|--|--|--|---|--|--|
|  Morocco |  Yemen  |  Guinea       |  Nigeria  |  Palestine |  Pakistan   |  UAE      |
|  Algeria |  Oman   |  Sierra Leone |  Sudan    |  Lebanon   |  Bangladesh |  Djibouti |
|  Tunisia |  Kuwait |  Ivory Coast  |  Ethiopia |  Greece    |  France     |  KSA      |
|  Libya   |  Syria  |  Ghana        |  Tanzania |  Spain     |  Croatia    |  Jordan   |
|  Senegal |  Iraq   |  Togo         |  Kenya    |  Turkey    |  Qatar      |  |

In 2015 the company acquired two factories to expand its product range both established in 1998 by German technology. The first was the Fiberglass Poles factory, equipped with two production lines with an annual production capacity of 24K poles, covering various applications, and the second was the Polypropylene Fiber factory, equipped with three production lines with an annual production capacity reaching 17K tons for both twisted & untwisted PP filling yarn for cables industry.

While in 2021, Elsewedy Electric decided to strengthen its market footprint by establishing a new factory for Egyplast specialized in the masterbatch production, with the support of its global expertise, state of the art production lines & labs under the brand name of ELSEWEDY POLYMERS.

EGYPLAST is ISO 9001, ISO 14001 and ISO 45001 certified, ISO 50001 supplying materials according to RoHS and REACH regulations, with state of the art production facilities and modern laboratories, assuring high quality control levels while providing specialized compounds tailored to customer's specific needs in compliance with international standards of quality, safety, environmental regulations.





# PRODUCT RANGE & APPLICATIONS

## PVC Compound

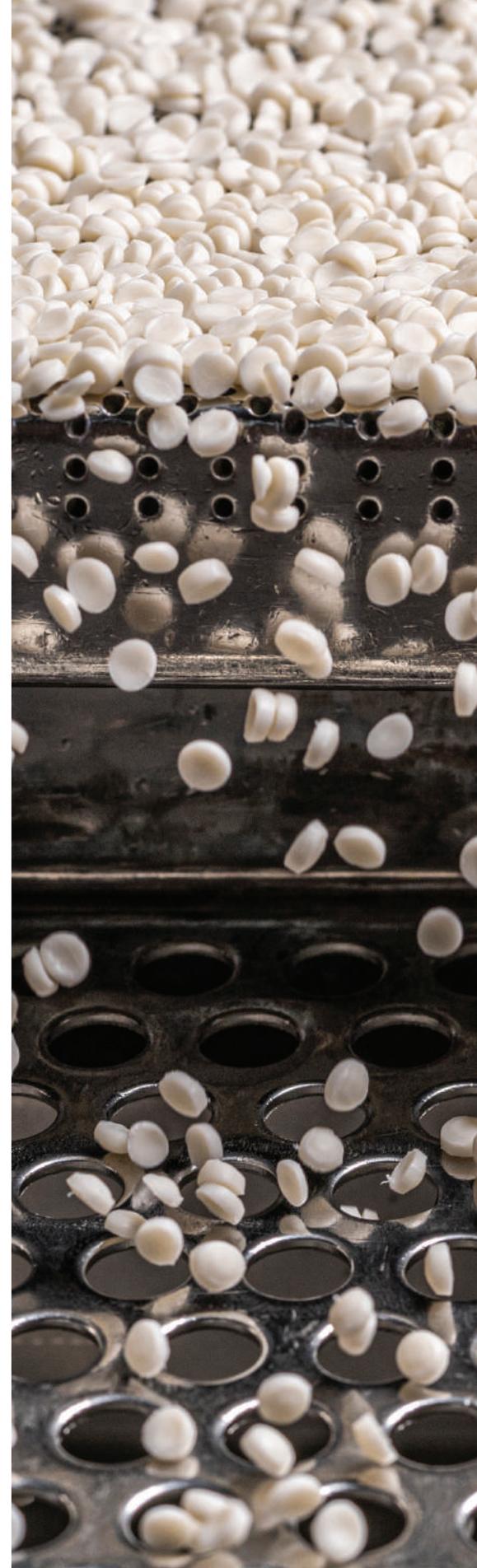
### Soft PVC Compound for Electric Wires and Cables

#### General Purpose:

- Insulation
- Sheathing / Jacketing
- Bedding / Filling

#### Specifications:

- Flame Retardant
- Low Halogen
- Oil Resistant
- Moisture and Chemical Resistant
- Ozone resistant
- UV resistant
- Anti-termite and rodent
- Hydrocarbon Resistant
- Automotive





# Soft PVC Compound for Non-Cable Applications

## For Hoses



Garden Hoses

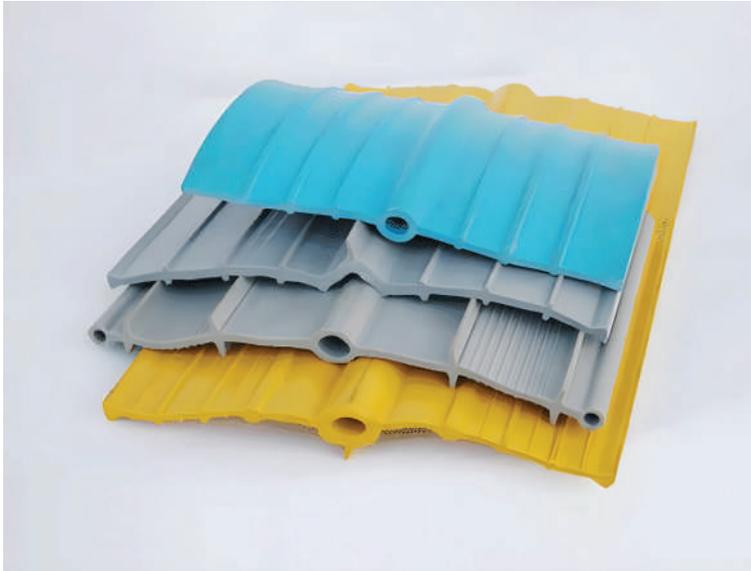


Suction Hoses

## Soft Profiles



Gaskets and Seals



Water Stops

## For Footwear



Shoes



Shoe Soles



Sandals and Slippers

# PVC Compound

## Rigid Compounds (Higher Rigidity Compounds)

### UPVC Profiles:

- Door
- Window
- Ducts

### PVC Fittings:

- Electrical Accessories
- Gutter
- Pipe Fittings





# Masterbatch

## Coloring Masterbatch

We have the expertise and technical capability required to produce an exact colour match for more than 3000+ different color degrees.

### Product range:

White, black, colors, additives masterbatch.

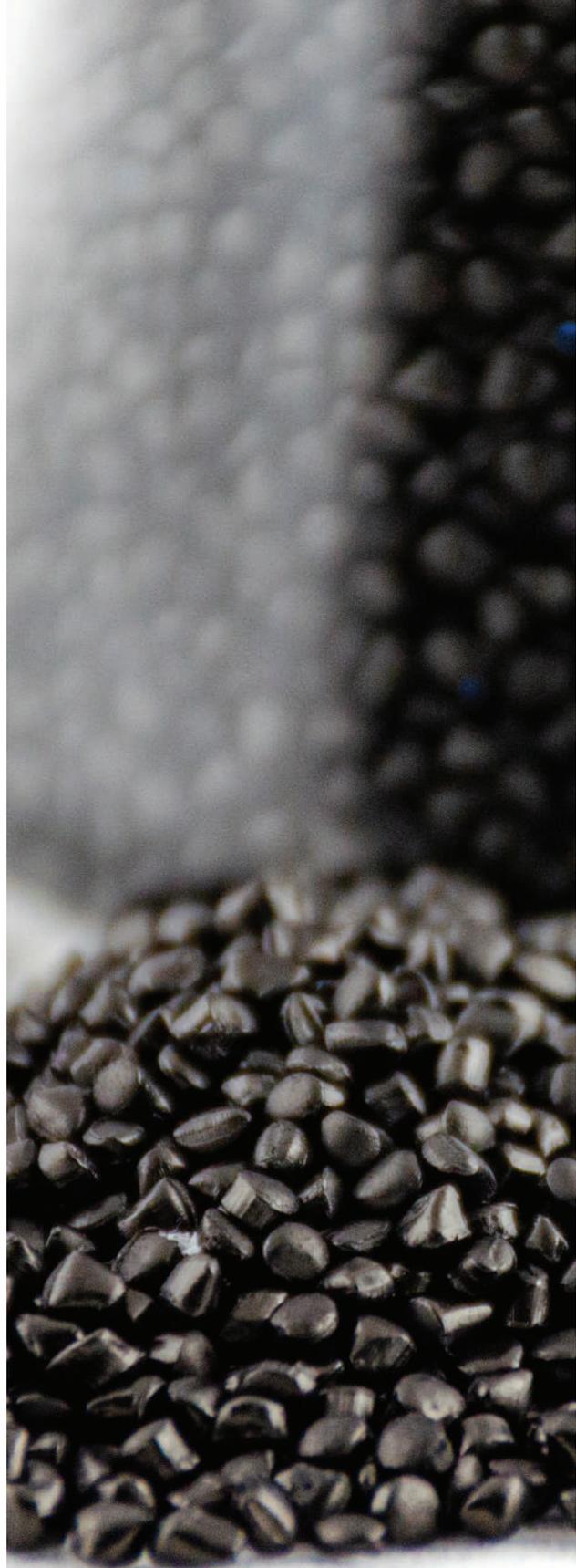
### Applications:

- Blown film
- Cast & coating film
- Blow molding
- Injection molding
- Sheet extrusion

### Special Effects Masterbatch:

- Metallic
- Transparent
- Fluorescent
- Pearlescent





# SECTORS WE SERVE

## Packing and Packaging



Food Packaging



Hygiene



General Packaging



Cosmetics



Beverages



Chemicals



Detergents

## Construction



Geomembrane



Pipes



Tanks



Profiles

## Agriculture



Greenhouses



Mulch Film



Irrigation Pipes and  
Accessories

## Fibers & Textiles Non-Woven



Non-Woven



Raffia



Ropes



Artificial Grass

## Electrical



Wires & Cables



Home Appliances

## Household, Disposables & Others



Plastic Furniture



Matts



Dining Items



Toys



Sport Equipment



Cleaning Items





## Special Compounds

### **Cross linked polyethylene for low voltage cables (XLPE - LV)**

Our XLPE is a saline cross linkable compound designed for low voltage power cables, manufactured with the best processing, testing and ambient curing properties, serving both power and overhead applications.

The base material is combined with the catalyst masterbatch, which increases the moisture present in the crosslinking reaction. The system is highly active and crosslinks forms quickly in sauna, hot water or humidity.

We manufacture a special grade of color masterbatch suitable for XLPE-LV.





## **Low Smoke flame retardant Halogen Free LSZH/HFFR Compound**

Halogen free flame retardant (HFFR), low smoke zero halogen (LSZH), low smoke & fume (LSF) are all names associated with compounds used extensively in the cable industry according to IEC - BS - VDE - DIN - HD.

They are highly used as replacements for PVC and other halogenated polymers for applications where low smoke and low acid gas evolution is crucial especially during fire situations.

Our compounds are used in underground / over ground railways, airports, ships, offshore rigs or in public buildings & open spaces.





## Non-sticky Polyolefin Filling Compound for Cables

### Main characteristics:

- Non-Sticky
- Easy of process
- Halogen free
- Eliminates the use of talcum powder
- More compatible with OHS than PVC
- Excellent surface finish
- Can be extruded on two step extrusion
- Easy strippable
- High machine output
- Lower torque
- Excellent solution for cost reduction

## PP Fibers (Polypropylene fiber)

### PP filling yarn for multi-core cables

We started manufacturing PP fibers since 1998 with a German technology. A white color filling yarn in equal composition, without lumps, thin spots or any irregularities. Polypropylene fiber can tolerate enough tensile strength and elongation with no cracks or damage during the processing.

- 3 Production lines.
- 17K tons annual production capacity.
- Compatible with XLPE, PVC and Copper.
- 105C maximum continuous operating temperature.
- 90C maximum conductor temperature.
- Sizes range up to 1000,000 deniers for untwisted and up to 13 mm for twisted PP yarn.









## Fiberglass Poles

Manufacturing fiberglass poles up to 14 meters long in different arm types and colors, with a choice of direct burial or anchor base.

+30,000 poles annual production capacity, covering various applications.

### **Applications & product range:**

- Street lighting poles and arms
- Decorative poles, arms and bases
- Solar energy poles
- Flood lighting poles and arms
- Flag poles
- Traffic poles, signs and signals
- Power transmission poles



Street Lighting Poles



Decorative Poles



Solar Energy Poles



Flood lighting Poles



Traffic Signs



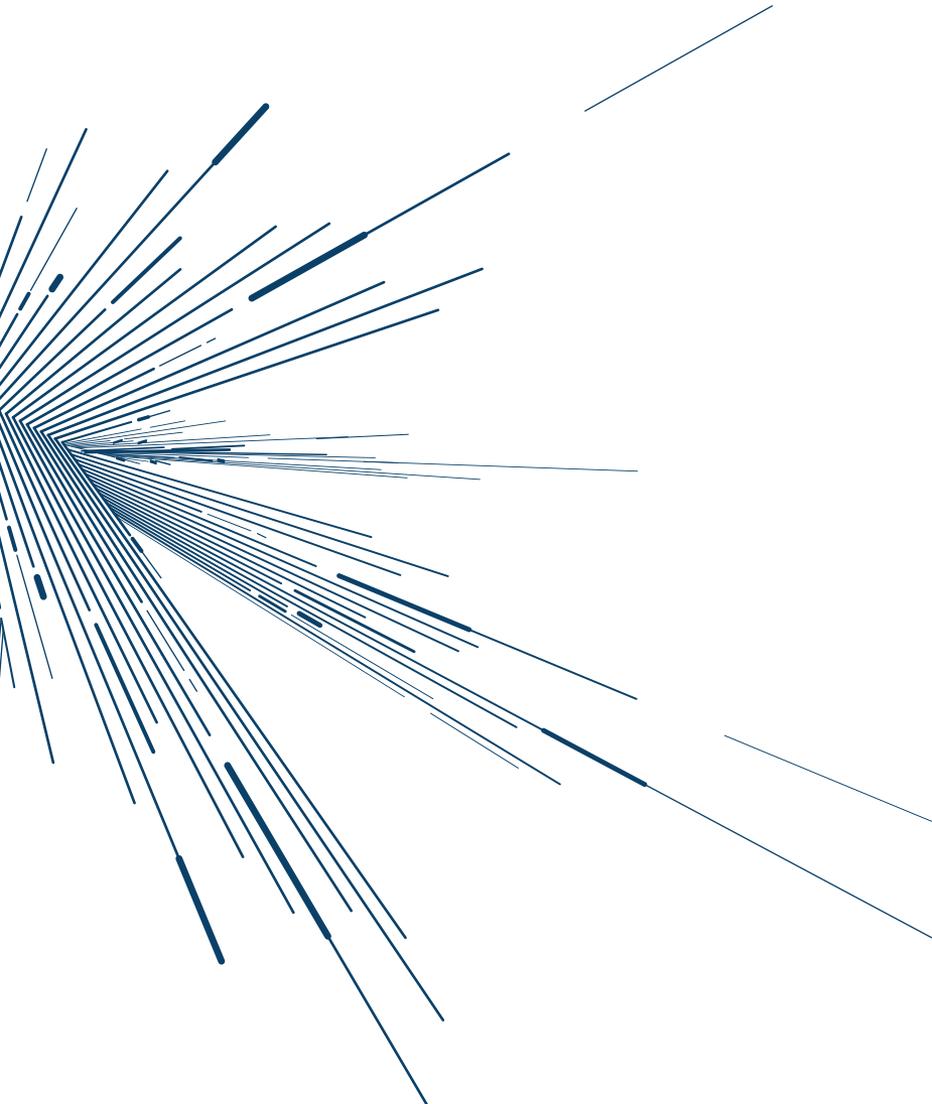
Power Transmissions Poles



Flag Poles

### **Advantage:**

- Long life span
- Electrically isolated
- Light weight
- Ease and speed of handling and installation
- Diversity and stability of colors
- Anti-rust
- High resistance to wind up to 160 KM/H
- Economically efficient
- Attractive Designs with the ability to print on poles
- High resistance to bending and curvature
- Resistance to Ultra-violet Rays
- High safety level to Human and Environment



# EGYPLAST

BY ELSEWEDY ELECTRIC



**Management and Factories:**

P.C. No. 36 / 37 / 38 Industrial A6  
10th of Ramdan city, Egypt  
Tel. : +2055 4411 631 - 4412131  
Fax: +2055 4411 629

**Customer Service:**

Tel.: +2010 2070 7777 - 012 0777 7270  
Email: [egyplast@elsewedy.com](mailto:egyplast@elsewedy.com)  
Website: [www.elsewedy-plastic.com](http://www.elsewedy-plastic.com)

 **19159**

[www.elsewedyelectric.com](http://www.elsewedyelectric.com)

  
**Go green**

