



HELLENIC COMPOSITES S.A.
HELCO



Introduction

HELCO is an advanced producer of Reinforced Plastics (GRP) and Composites.

Location

The production of HELCO is located in a privately owned factory (4.000m² area / 1.500m² covered) in the Industrial Area of Komotini, while the head office is located in Athens.

History

HELCO was founded in 1997. Since then the annual increase of sales volume for HELCO exceeds 80% in average and new important customers are added to our clientele every year.

The founders of HELCO have very long tradition in composites, with successful activity as leading suppliers of raw materials, machinery, tools and know-how for the GRP industry in Greece.

HELCO employs experienced chemical engineers, chemists and technicians, specialized in composites.



Capacity

The production capacity of HELCO exceeds 2.000 tons per year of GRP products, made by the following production methods:

- Compression Molding (SMC/BMC)
- Pultrusion
- RTM
- Casting
- Spray-Up
- Hand Lay-Up
- Infusion

Potential Customers:

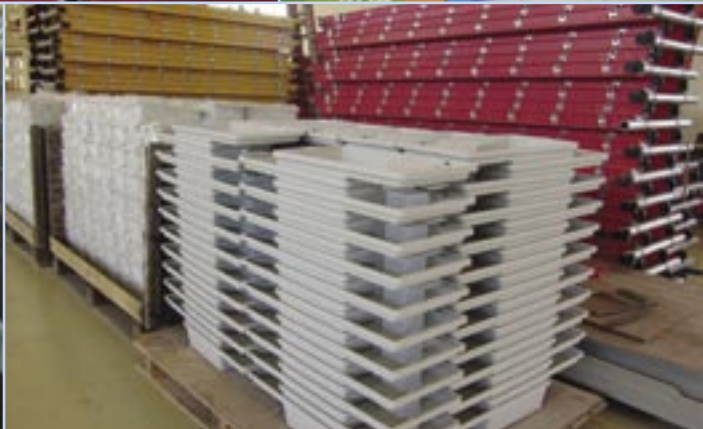
HELCO's products are mainly aiming to:

- Power & Telecommunication Companies
- Public sector
- Armed Forces (Army, Navy, Air force)
- Industry
- Building and Construction sector
- Municipalities

Quality

HELCO produces top quality products, according to the international standards and the specifications required by our customers.





Product Range

HELCO produces, among other products, the following:

- SMC Cabinets – Meter Boxes
- Insulating portable ladders
- Covers for batteries of submarines
- Chemically resistant pipes
- Pultrusion profiles
- Hot line disconnecting sticks
- Street lighting lamp changing poles
- Parts for the weapon's industry
- Stadium seats
- Insulators
- Ballistic protection helmets and panels (Kevlar, Dyneema) etc.

Advantages

HELCO offers to customers:

- Excellent products
- Consistent quality
- Design flexibility and creativity
- Timely deliveries
- Competitive prices

through:

- State of the art automated production lines
- Know-how and specialization in composites
- Excellent access to raw materials in the most competitive prices and quality
- Combination of most of the production methods for GRP

Subcontracting

HELCO is equipped with all the production methods for composites. HELCO's engineers use their know-how, expertise and design experience to match the best combination of methods and materials, making custom products according to customer's specifications.

The possibilities are unlimited:

Electrical:

Meter boxes - appliance covers and housings - battery covers - insulators - lighting canopies - wire markers - insulating ladders - hot line disconnecting sticks - street lighting lamp change poles

Construction:

Standard structural shapes - ducts - cable trays - scaffoldings

Chemical:

Gratings - tubes and walkways for corrosive environments

Agriculture:

Greenhouses - plant supporting poles

Consumer:

Tool handles - fishing rods - sports and leisure - DIY

Military:

Camouflage tent poles - arm components

Transportation:

Body panels - seats - roofs

Building Industry:

Partitions and decoration panels - window frames - doors - roofing - laminates

General:

Stadium seats - water tank modular panels - tables and seats - food trays - stiffening rods of optical cables



Compression Moulding Cabinets - Covers

HELCO manufactures reinforced plastic (SMC) meter-boxes, cabinets and enclosures, for use in:

- electricity distribution networks
- telecommunication companies
- gas distribution networks
- municipal services
- industrial and domestic applications

Meter Box for Single - Phase electricity Meter device

Width 185 mm

Height 350 mm

Depth 180 mm

Meter Box for Three - Phase electricity meter device

Width 275 mm

Height 550 mm

Depth 230 mm

Cabinet for Industrial electricity meter device

Width 675 mm

Height 940 mm

Depth 270 mm

Superior Properties

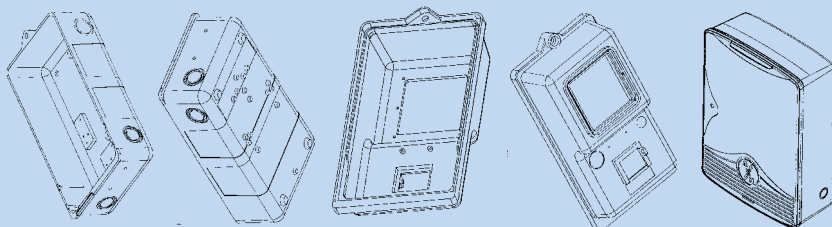
HELCO's products provide excellent protection of the installed components, through:

- Superior mechanical strength and durability
- Electrical insulation
- UV resistance
- Impact resistance
- Fire retardant classification
- Water-tightness and dust protection
- Functional and flexible design
- Quality control, technical support and guarantee

Customer's specifications

HELCO participates in tenders and produces Meter Boxes, Branch Boxes, Link Boxes, Junction Cabinets, Connection Boxes etc., according to customer's requirements and specifications.

HELCO's compression moulding product range includes also covers for batteries, parts of weapons, ballistic protection panels and inserts etc.





Ladders

HELCO manufactures a variety of portable insulating ladders, suitable for electrical, building, agricultural, industrial, domestic use.

HELCO ladders are produced in three different types:

- single (/)
- extension (//)
- combination (// + Λ)

in many standard heights as well as in custom ones, according to customer's needs and specifications.

Advantages:

- Safety
- Exceptional mechanical strength
- Electrical insulation
- Ergonomic design and comfort
- Light weight
- Maintenance free - long living
- UV and chemical resistance
- Smooth surface - Distinct colours
- Spare parts - Service - Guaranty

Pultrusion Profiles

HELCO produces high strength reinforced plastic profiles in a variety of shapes:

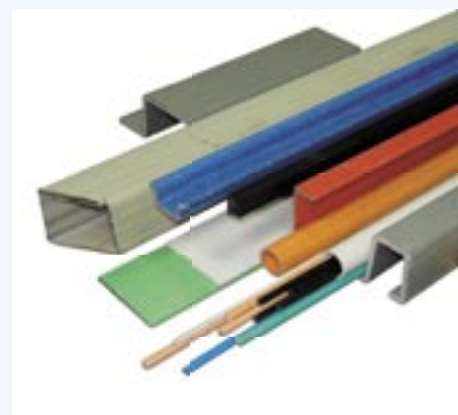
I-beams, U-beams, rods, tubes, square tubes, flat rods and any custom shape according to customer's application.



Properties:

Pultrusion profiles replace a lot of conventional materials such as metal, wood, steel, concrete and aluminium, because they offer:

- High Mechanical Strength
- Low specific weight
- Resistance to UV radiation and high temperature
- Resistance to chemicals and corrosion
- Electrical and heat insulation
- No need for protection and painting
- Good machinability and easy application



Manufactured according to European Standards EN 131-1 and 2.

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