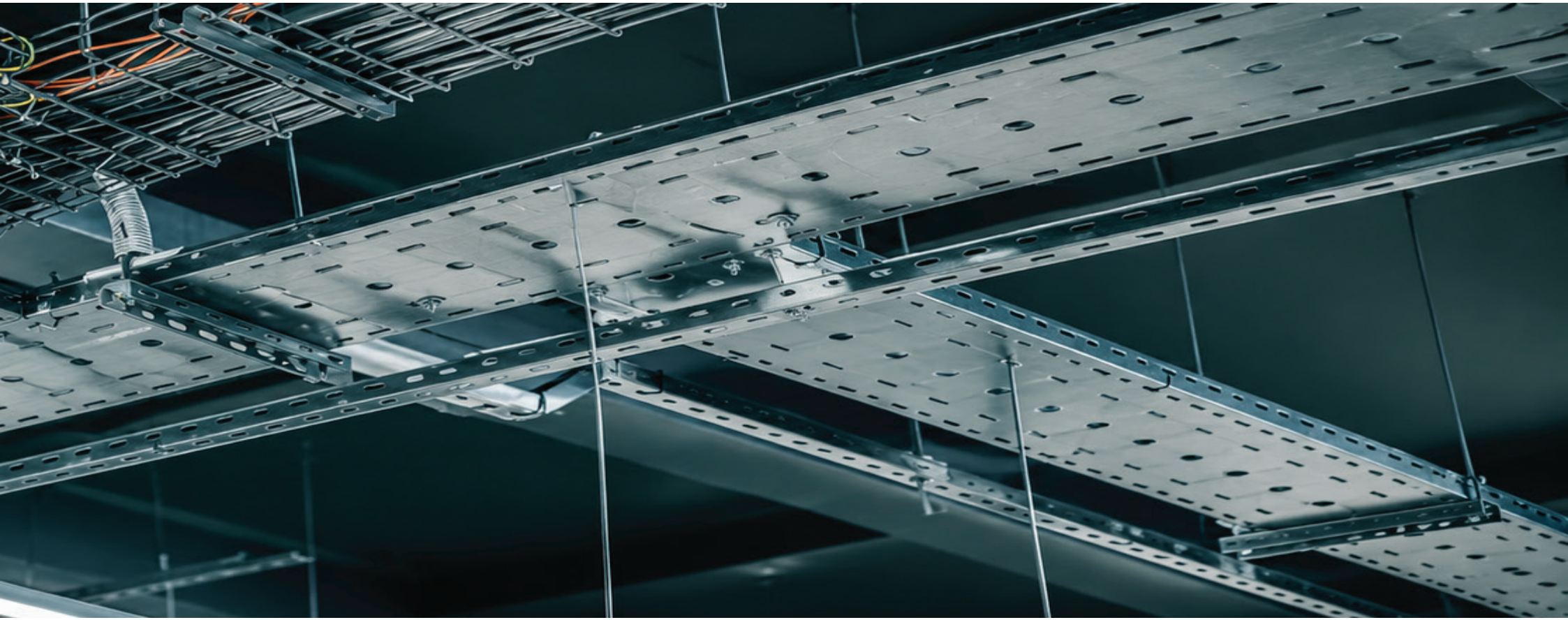
EEC ELECTRIC

CABLE TRAY
PRODUCT BROCHURE



YOUR TRUSTED PARTNER IN ELECTRICAL SOLUTIONS

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ABOUT EEC GROUP:

Engineering & Construction Excellence

Over 50 years of expertise, EEC Group is a leading provider of engineering, construction, and steel fabrication solutions. Operating in 30+ countries, EEC has become a trusted partner for industrial complexes, infrastructure projects, and energy solutions, consistently delivering quality, sustainability, and innovation.

ABOUT EEC ELECTRIC:

Powering the Future of Low Voltage Panels

As part of the EEC Group, EEC Electric manufactures IEC-compliant cable tray systems for industrial, commercial, and infrastructure applications.

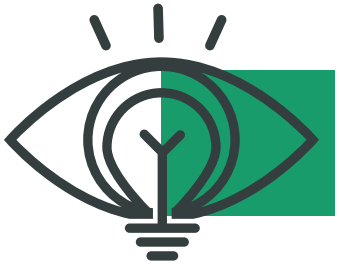
Our advanced manufacturing facility combines CNC technology with high-level automation to produce premium cable tray systems that exceed international standards for strength, durability, and corrosion resistance. Engineered for precision and reliability, our cable management solutions ensure safe, efficient, and organized cable routing across utility, industrial, commercial, and infrastructure projects.

MISSION & VISION:

MISSION

Engineering Excellence

Delivering IEC-compliant LV panels and cable tray systems engineered for safety, reliability, energy efficiency, and future-ready infrastructure.



VISION

Global Innovation

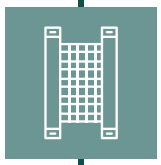
To set the benchmark in LV manufacturing and cable tray systems through innovation, quality, and engineering excellence.

SERVICES & SOLUTIONS:

Reliable Cable Management for Every Infrastructure

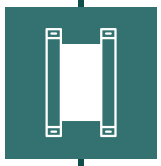
Ladder Cable Trays

Heavy-duty support for long-span power cable runs in industrial and utility environments.



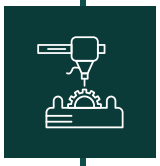
Perforated Cable Trays

Enhanced ventilation and flexible routing for commercial and light-industrial applications.



Solid-Bottom Cable Trays

Maximum protection for sensitive or high-value cabling in demanding environments.



CNC-Precision Fabrication

Custom bends, tees, covers, and supports manufactured with CNC accuracy to fit unique project layouts.

Corrosion Protection

Available in hot-dip galvanized, pre-galvanized, stainless steel, and powder-coated finishes.

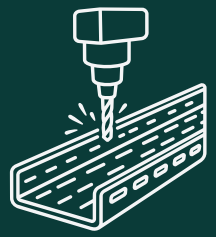
MANUFACTURING:

EEC Cable Trays

EEC Cable Trays are manufactured from high-quality steel, stainless steel, or aluminum using advanced CNC punching, roll-forming, and precision fabrication technologies. Each product undergoes strict quality control to ensure dimensional accuracy, structural strength, and compliance with international standards. Available in pre-galvanized, hot-dip galvanized, powder-coated, or stainless-steel finishes, EEC Cable Trays provide excellent corrosion resistance, durability, and reliable performance across industrial, commercial, and infrastructure applications.

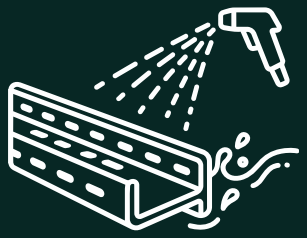
Raw Material

Premium galvanized or stainless-steel coil, sourced from certified mills and inspected before entering the production line.



Roll Forming & Punching

CNC roll-forming and precision punching shape each tray, ladder, and fitting to exact, consistent dimensions with tight tolerances.



Surface Finishing

Hot-dip galvanizing, electro-plating, or powder coating applied for long-term corrosion resistance in any environment, from coastal sites to heavy industrial plants.

Testing & Quality Control

Every batch undergoes load, corrosion, and dimensional testing, verified against IEC and NEMA benchmarks, before release.

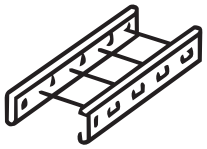
PRODUCTS:

Cable Trays

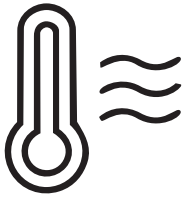
Cable Management Systems:
EEC Cable Management Systems, fittings, and accessories are manufactured to international standards, delivering safe, reliable, and cost-effective cable routing, support, and protection for industrial, commercial, and infrastructure applications.

Technical Advantages

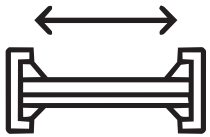
Compliant with international standards and accepted for indoor and outdoor applications.



High cable capacity reduces the need for additional raceways and lowers installation costs.



Ventilated designs improve heat dissipation, supporting enhanced cable performance where applicable.



Optimized structural design allows wider support spacing, reducing installation time and material requirements.

Durable, efficient, and engineered for long-term performance in demanding environments.

CABLE TRAYS & ACCESSORIES:

Cable Trays are designed for continuous cable support and controlled routing in power, control, and communication installations.

Perforated Cable Tray

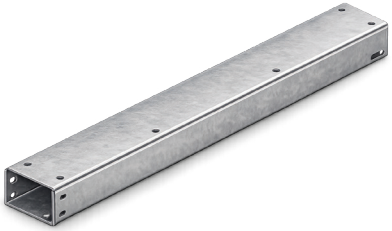
A ventilated steel tray system with precision-formed perforations to facilitate heat dissipation, drainage, and structured cable segregation, suitable for general-purpose electrical installations.

Solid Bottom Cable Tray

A fully enclosed steel tray system providing continuous mechanical support and maximum protection against dust, debris, and external environmental exposure, intended for sensitive and critical cable systems.

CABLE TRUNKING & ACCESSORIES:

Cable Trunking systems provide fully enclosed containment for electrical wiring, ensuring mechanical protection and controlled routing in internal and external installations.



Solid Cable Trunking

A prefabricated steel trunking system with a one-piece solid-bottom channel section, available in widths up to 150 mm (6"), designed for complete cable enclosure, protection, and organized distribution.

CABLE LADDERS (WELDED & SWAGED):

Cable Ladder systems are engineered for high-load, long-span cable support applications where structural strength and ventilation are critical.

Swaged Tubular Cable Ladder

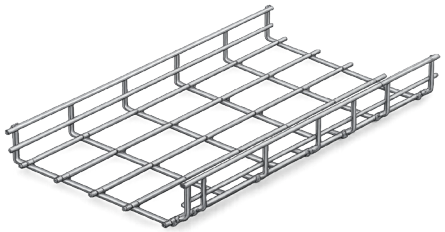
Manufactured from swaged round tubular side rails in aluminum or steel, offering a lightweight structure with high corrosion resistance and ease of installation.

Welded C-Channel Cable Ladder

Fabricated from welded steel C-channel side rails with mechanically fixed transverse rungs, providing high load-bearing capacity and structural rigidity for demanding installations.

BASKET CABLE TRAYS & ACCESSORIES:

Basket Cable Tray systems are designed for flexible, lightweight cable routing in applications requiring high adaptability and airflow performance. The open mesh structure supports continuous ventilation and efficient thermal management.



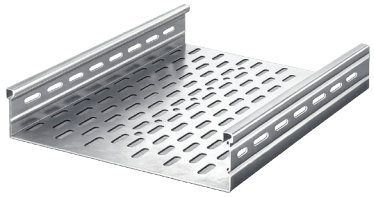
Wire Mesh (Basket) Cable Tray

Manufactured from high-tensile welded steel wire mesh, providing a rigid yet flexible support system suitable for light to medium-duty cable installations.

Applications:
Data networks, telecommunications infrastructure, control wiring, raised floor systems, suspended ceiling installations, and modular office environments.

PRODUCT SPECIFICATIONS:

Available in Light, Medium, Heavy, and Very Heavy-Duty configurations, our cable trays are engineered to provide reliable performance, installation flexibility, and long-term durability across a wide range of cable management applications.



Specification	*LCT*	*MCT*	*LCT*	*MCT*
Product Type	Light Duty	Medium Duty	Heavy Duty	Very Heavy Duty
Thickness	1.00 mm	1.20 mm	1.50 mm	2.00 mm
Side Heights	50 mm	50, 75 & 100 mm	50, 75 & 100 mm	50, 75 & 100 mm
Standard Length	2000 / 3000 mm	2440 / 3000 mm*	2440 / 3000 mm	2440 / 3000 mm
Available Widths	50–450 mm	50–450 mm	50–700 mm	50–1000 mm
Safety Factor	1.5	1.5	1.5	1.5

MATERIAL & FINISH OPTIONS:

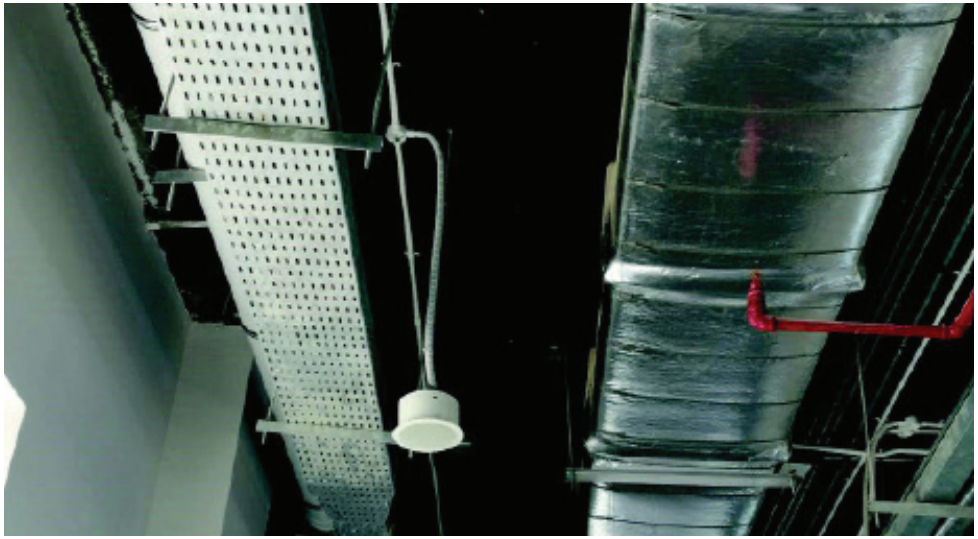
Available across all cable tray types to meet diverse environmental, corrosion protection, and application requirements.

Type	Materials	Perforation	Available Finishes
LCT – Light Duty	Pre-Galvanized Steel, Hot-Dip Galvanized Steel, Stainless Steel (SS304/SS316), Aluminum	7 × 32 mm Oblong Holes (Staggered or Serial Pattern)	Pre-Galvanized, Hot-Dip Galvanized, Powder Coated, Stainless Steel, Aluminum
MCT – Medium Duty	Pre-Galvanized Steel, Hot-Dip Galvanized Steel, Stainless Steel (SS304/SS316), Aluminum	7 × 32 mm Oblong Holes (Staggered or Serial Pattern)	Pre-Galvanized, Hot-Dip Galvanized, Powder Coated, Stainless Steel, Aluminum
HCT – Heavy Duty	Pre-Galvanized Steel, Hot-Dip Galvanized Steel, Stainless Steel (SS304/SS316), Aluminum	7 × 32 mm Oblong Holes (Staggered or Serial Pattern)	Pre-Galvanized, Hot-Dip Galvanized, Powder Coated, Stainless Steel, Aluminum
VCT – Very Heavy Duty	Pre-Galvanized Steel, Hot-Dip Galvanized Steel, Stainless Steel (SS304/SS316), Aluminum	7 × 32 mm Oblong Holes (Staggered or Serial Pattern)	Pre-Galvanized, Hot-Dip Galvanized, Powder Coated, Stainless Steel, Aluminum

PROJECTS:

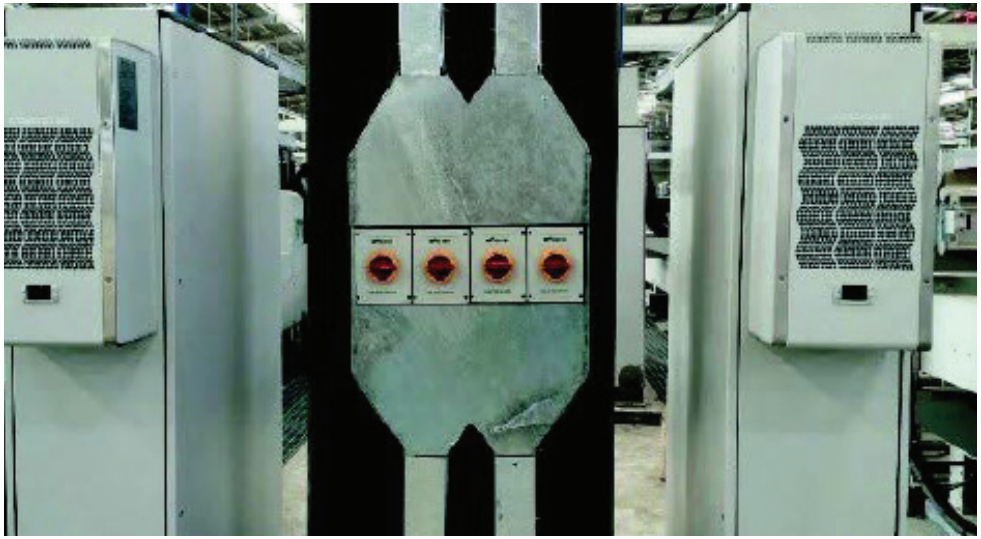
El Galala Resort

Location:
El Sokhna – El Zafarana Road
Scale:
17,000+ acres, built up to 700 meters above sea level.
Scope:
Turnkey delivery of the resort's flagship Food Court, including complete electrical distribution and centralized control panel integration.



Marble Factory

Scale:
80,000 m^2 built-up area across a 150,000 m^2 site.
Infrastructure:
4 major factories, warehouses, and administrative buildings.
Scope:
Full civil works, structural steel fabrication/erection, heavy industrial ventilation ducting, and high-capacity electrical tray routing.



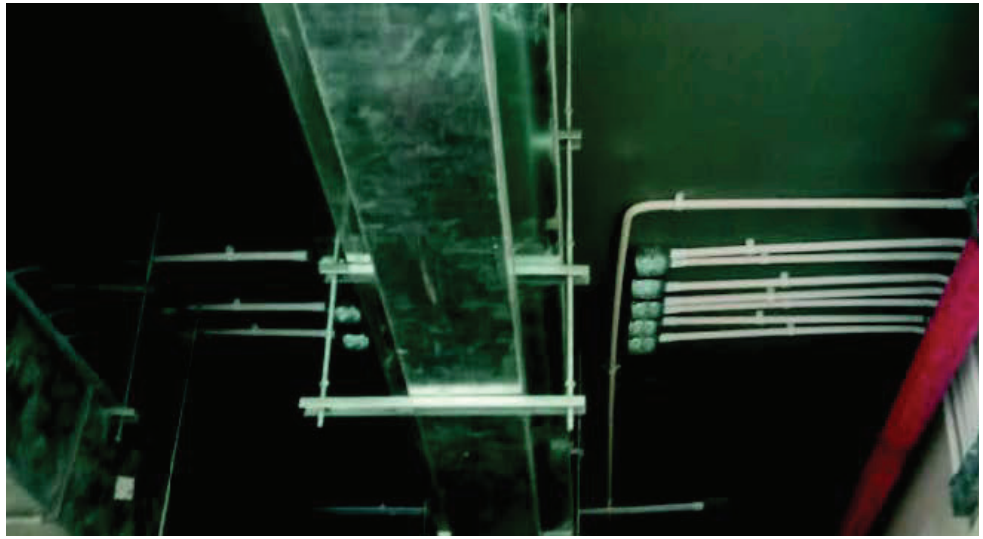
PROJECTS:

Hot-Dip Galvanization (EEC Galva)

Capacity:
~10,000 tons of galvanized steel per month.
Infrastructure:
2 production lines with 12.5-meter and 7-meter kettles.
Profile:
Egypt's most advanced private hot-dip galvanization facility, delivering premium anti-corrosion environmental protection.

Military Colleges

Location:
New Administrative Capital.
Scale:
47,000 m^2 built-up area.
Scope:
Comprehensive civil works, structural steel fabrication, complex HVAC ducting networks, and high-security electromechanical (MEP) installations.



PROJECTS:

Cane Seedlings Production Facility

Scale:
200,000 m^2 built-up area.
Scope:
Full-scope execution including civil works, steel fabrication/erection, climate-control ducting, and multi-tiered utility containment lines.

E-JUST University

Project:
Egypt Japan University of Science and Technology.
Infrastructure:
Surveying, earthworks, foundations, underground tunnels, and subterranean water tanks.
MEP Scope:
Complete infrastructure for water and electrical substations, featuring heavy-duty cable management and fluid piping systems.

QUALITY:

EEC Cable Management systems, fittings, and accessories are manufactured in compliance with internationally recognized standards to ensure consistent quality, safety, and performance.

Applicable standards:

- Iec 61537:2007 – cable management: cable tray systems and cable ladder systems.
- Bs en 61537:2007 – british/european standard for cable tray and cable ladder systems.
- Egypt iec (ch8.4:2006) – egyptian standard for cable management systems.
- Nema ve 1-2009 – metal cable tray systems.
- Nema ve 2-2006 – metal cable tray installation guidelines.
- Nec (ansi/nfpa 70) – national electrical code requirements for metal cable tray systems.

Quality & Compliance

INTERNATIONAL STANDARDS | LOCAL COMPLIANCE | NEMA & NEC STANDARDS

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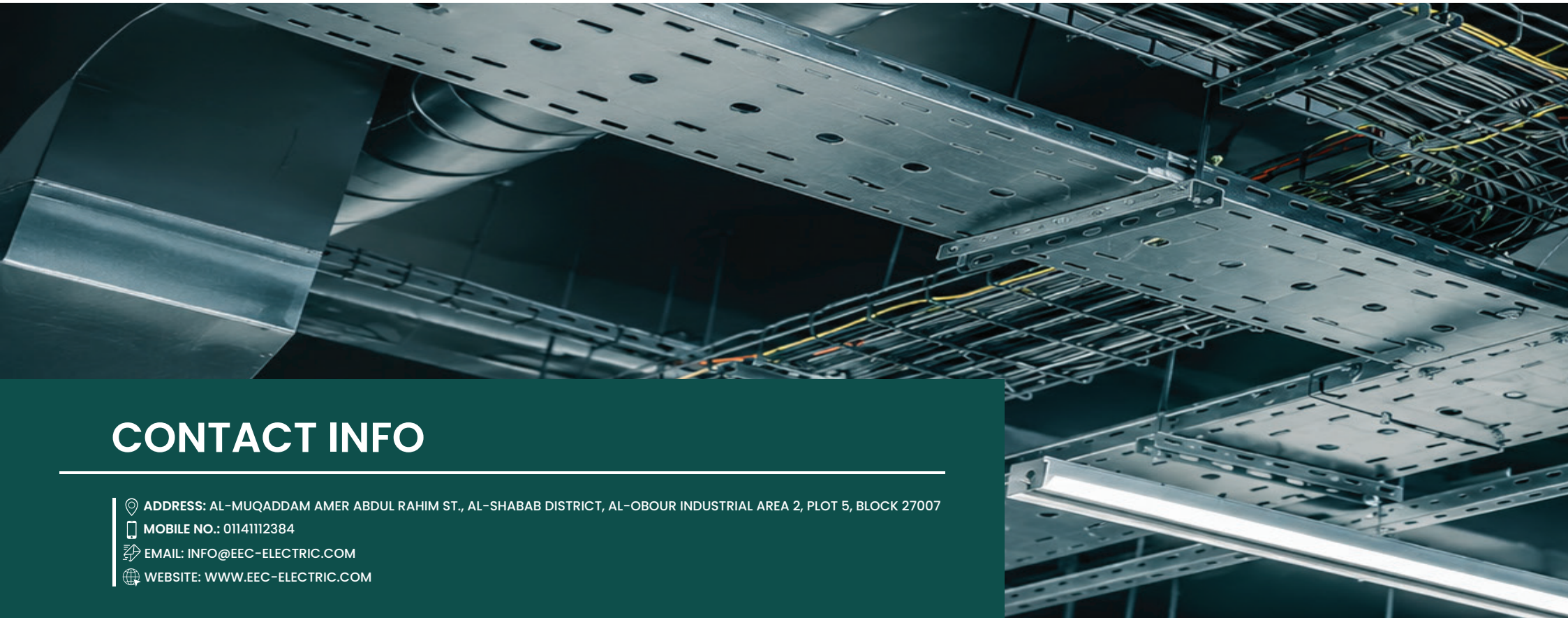

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