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**COMPANY
PROFILE**

www.tu-egy.com



**EMPOWERING
DEVELOPMENT**

Company Overview

TEBA UNITED has been a pillar of Egypt's Industrial Development for over three decades, specializing in the delivery of advanced Electrical Distribution Solutions and Equipment. Our unwavering mission is to provide reliable and high-quality systems that support the nation's progress and innovation.

Through our subsidiaries, TEBA for Developed Industries and TEBA for Trading and Engineering LTD, we have harnessed the expertise of Egypt's top industrial professionals to set a benchmark for service excellence. Whether it's a residential project, a large-scale corporate facility, or a major governmental initiative, **TEBA UNITED** is dedicated to offering innovative, efficient, and punctual solutions that distinguish us in the industry.

Our extensive portfolio features a combination of high-quality locally manufactured electrical equipment and renowned global brands. These include Schneider Electric for Low Voltage (LV) and Medium Voltage (MV), as well as Perkins, Cummins, Volvo, DSE, Leroy-Somer, Mitsubishi, HD Hyundai Infracore Generators, Avenger Fire Alarm and Fire Fighting, Italcond Special Cables, Nexans or Aginode Telecom System, Macurco Gas Detection System, Amper, and Harger Earthing and Lightning Protection System, ensuring our offerings align with the evolving demands of the Egyptian market.

At **TEBA UNITED**, we are more than a service provider—we are a trusted partner in innovation and reliability. Our vision is to continue driving the industry forward, empowering communities, and building a future where electrical excellence fuels progress at every level. Together, we are redefining what's possible, creating solutions that are as sustainable as they are impactful.

Vision

To expand and supply more promising institutions and projects both domestically and internationally.

Mission

To provide the highest quality products and services to the Egyptian industry and market.

1000+

Employees

38+

Year of experiences

1200

Clients

29,000

m²

Industrial area

650

Product approvals

110

Transportation units

7000

Projects

680

Operations & maintenance personnel

35

Industry Certifications

12

Sectors we serve

TU Founder

Engineer Mohamed Soliman was a pioneering leader and the driving force behind TEBA UNITED. With a profound passion for innovation, he embarked on his journey toward excellence by founding his first manufacturing and electrical contracting enterprise. Although this initial endeavor was short-lived, his determination and resilience facilitated the accumulation of invaluable experience.

Mr. Soliman later founded TEBA UNITED, heralding the onset of a remarkable legacy. He established the company's first subsidiary, Teba for Trading and Engineering LTD, and subsequently inaugurated Teba for Developed Industries.

Under his leadership, TEBA UNITED experienced substantial growth, propelled by his relentless pursuit of progress and excellence. Mr. Soliman was renowned for his unwavering vision and perseverance, attributes that elevated TEBA UNITED to new heights. His contributions to the industry and the lives of those in his sphere will be remembered and honored long after his passing. His legacy continues to inspire future generations of engineers and entrepreneurs.















Currently, Mr. Ahmed Mohamed Soliman upholds the tradition of excellence as Chief Executive Officer, motivating future generations of engineers and entrepreneurs through the strategic insight and steadfast commitment that characterized his father's distinguished career.



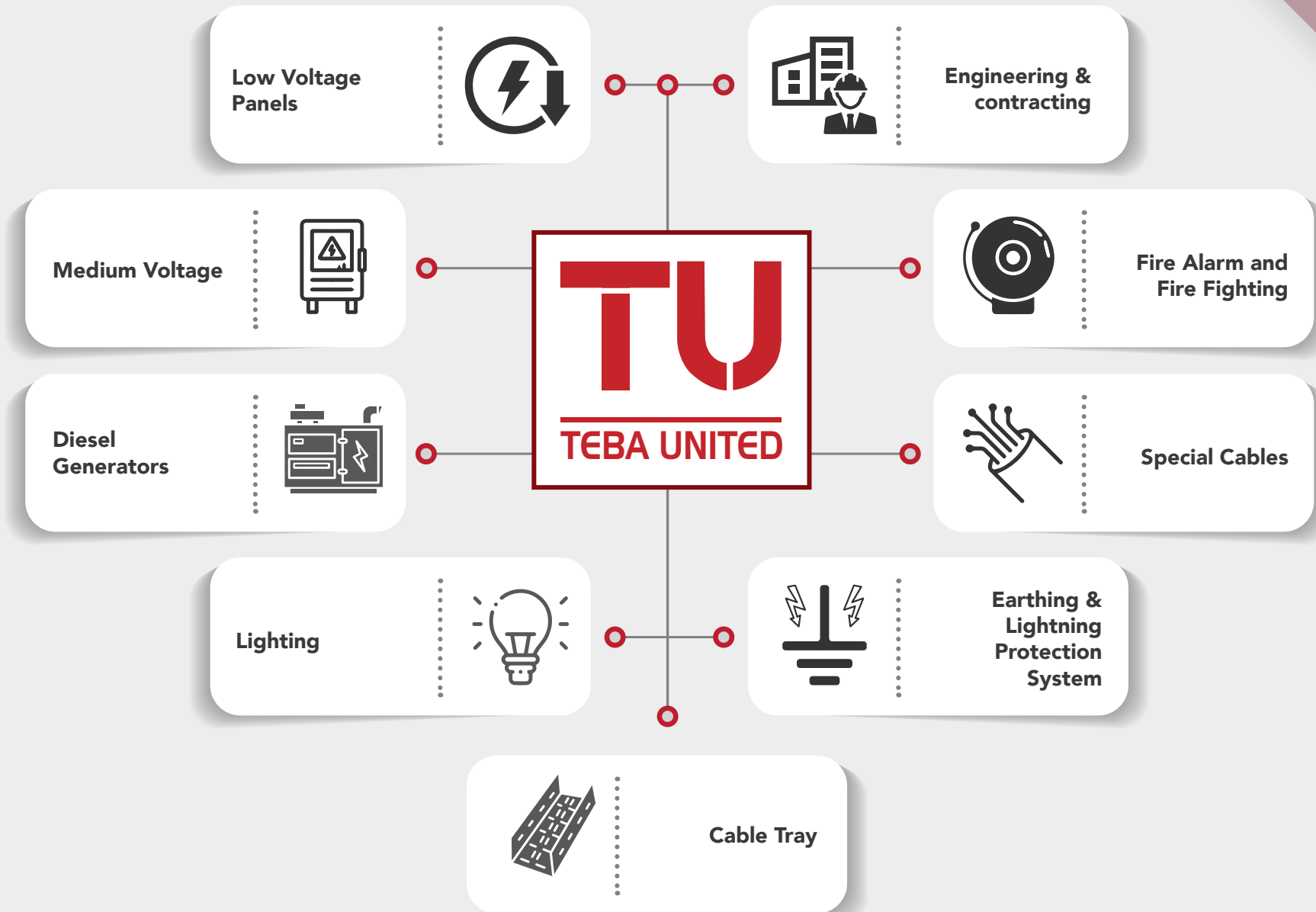
TU Group

TEBA
For Developed Industries

TEBA
For Trading & ENG. LTD

Business Lines



Low Voltage Panels



Low Voltage Panels

TEBA UNITED manufactures panels with ratings up to 6300A

For more than 38 years, Teba for Developed Industries has collaborated with Schneider Electric, achieving recognition as a certified PrismaSeT Partner and earning the designation of EcoXpert. TEBA UNITED provides durable, sustainable, and diverse Low Voltage Distribution Solutions rated up to 6300A. The manufacturing facility produces a range of panel types, including PrismaSeT, Desbo, Spacial, and TEBA Panels.

TEBA UNITED delivers Schneider Electric's product solutions for design, consulting, troubleshooting, and ensuring adherence to the highest standards of quality, durability, and reliability. TEBA is in compliance with IEC 61439 1 and 2 standards.



Low Voltage Panels

PrismaSeT up to 4000A

As one of TEBA UNITED's most effective Low Voltage Switchboard solutions, Schneider Electric's PrismaSeT switchboards are tailored for LV electrical installations and distribution. These solutions are optimized, secure, and user-friendly. They are also capable of being upgraded at any time without compromising original performance and feature a modular design.

Key Features:

- Tested and complied with IEC 61439-1 and 2 low voltage electrical distribution switchboards, tested by ASEFA, ASTA, and KEMA laboratories. "Type Tested Panels"
- Wall-mounted enclosures for electrical switchboards rated up to 630A – SC = 25KA
- Floor-standing cubicles for electrical switchboards rated up to 4000A.
- Facilitated efficient storage and handling, significantly reducing investments in machinery and tools.
- Design assured by Schneider Electric.
- Easy to store and handle - Optimized time production and flexibility
- Significantly reduces machine and tool investments
- Design guarantees by Schneider-Electric.
- IP42 / IP54, Temperature up to 50 degrees
- Option if Requested: Communicated with RTU through Modbus/ Ethernet TCP/IP
- Option if Requested: Monitoring/Control System through Excostruxture Platform



Product Features

Power Factor Correction

Our capacitor banks improve power factor by introducing capacitive reactance in stages based on specific requirements. Power factor controllers monitor load and power factor, activating capacitor steps as needed to maintain a consistent value. This optimizes power factor, counters lagging reactive power (Vars), and ensures cost-effective, reliable power for the distribution network.

- Rated reactive power capacity of up to 900 KVAR.
- Multistep design for effective power factor correction.
- Availability of both standard and detuned capacitor banks.
- Incorporation of self-healing capacitors and pressure-sensitive disconnectors, equipped with discharge resistors.
- Power factor controller featuring various switching sequences.
- User-friendly installation and maintenance.

Smart Panels

- Designed for intelligent communications with Remote Terminal Units (RTU) in low-voltage main panels.
- Integration capabilities with various systems including Building Management Systems (BMS), Supervisory Control and Data Acquisition (SCADA), and fire alarm systems.
- Provision for remote control of diverse panel components, as well as monitoring of energy usage and the operational status of each circuit within the panel

Motor Control Center (MCC)

Our motor control center panels guarantee uninterrupted productivity through optimal synchronization among all active components. The key benefits include:

- Rated power capacity of up to 900 KW.
- Rated operating voltage up to 400 V.
- Sufficient cabling space to facilitate easy connections.
- Top and bottom cable entry options.
- Panels designed for front or rear access to meet specific application requirements.
- Protection index ratings of IP42 up to IP66.
- Free-stand
- Maximum safety and reliability standards.
- Customized designs tailored to meet end-user specifications.
- Control mechanisms employing Variable Frequency Drives (VFD), soft starters, Direct-On-Line (DOL), star-delta configurations, Programmable Logic Controllers (PLC), and/or conventional control methods

ATS and MTS Control Circuits

- Rated operation capacity of up to 6300 A.
- Capable of supporting all types of Automatic Transfer Switch (ATS) configurations: 1 out of 2, 2 out of 3, 3 out of 5, and 2 out of 4.
- Protection index ratings of IP54 up to IP66.
- Options to be controlled by classic control and PLC system.

Synchronization Panels

TEBA UNITED's synchronization panels are engineered to ensure seamless synchronization among multiple generators while supporting multiplex solutions.

- Rated operation capacity of up to 7,500 A.
- Available in configurations of 3-pole or 4-pole systems based on requirements.
- Capabilities for load sharing and/or shedding.
- Provision for both automatic and manual synchronization.
- Protection class ratings of up to IP54

Certificates

Final Branch Panels

NEW

- Designed to accommodate various types of configurations.
- Fishbone style rated up to 250 A.
- Capacity for up to 54 ways.
- Available in surface-mounted, wall-mounted, or flush-mounted designs.
- Protection index ratings of IP31/IP41

Main Distribution Boards (MDB) and Sub-Main Distribution Boards (SMDB)

TEBA UNITED specializes in the manufacturing of high-grade, modular, and ultra-safe main distribution panels certified by Schneider Electric, incorporating the following specifications:

- TU Panels up to 6300A / Prisma Panels with rating up to 4000A.
- High-purity red copper bus bars for superior conductivity.
- Terminal spacing designed for straightforward connections.
- Options for both front and rear access.
- Protection ratings extending from IP31 up to IP66.
- Electrostatic coating for enhanced durability.
- Compliance with IEC 61439-1 standard for assemblies
- Electrostatic coating



Medium Voltage



Medium Voltage

TEBA UNITED is recognized as a leader in high-quality and reliable power distribution solutions tailored to meet varied industry standards. Through a commitment to cutting-edge technology and stringent quality assurance, TEBA UNITED consistently delivers products designed for efficiency, safety, and exceptional performance across varied applications. Our comprehensive portfolio of secondary medium voltage solutions includes an extensive range of advanced products and functional units, specifically crafted to provide users with seamless access to all essential panel types and configurations in medium voltage. By continuously expanding our offerings, Teba United ensures clients receive versatile, robust solutions that cater to the dynamic needs of today's power distribution landscape.

Certificates



TUFN6-24



TUA-KIOSK12



TU-RING12

Medium Voltage Product Features

Our product portfolio is strategically designed for optimal performance in diverse environments:



Compact Substation Kiosk (TUA-KIOSK12): A comprehensive, fully integrated solution that combines Medium Voltage (MV), Transformer (TR), and Low Voltage (LV) components to deliver secure power distribution across various applications. Rated up to 1500KVA and certified by the Egyptian Electricity Holding Company, this kiosk ensures reliability and compliance.



SF6-AIS Ring Main Unit (TUFN6-24): Featuring a Load Break Switch (FLN36-24D) operating at 24KV, 630A, and 25KA/1 second, this unit employs SF6 gas insulation technology, providing superior insulation with minimal maintenance, making it highly suitable for compact and durable environments.



AIS Ring Main Unit (TU-RING12): Equipped with our Load Break Switches (TUL, TUE, TUF) rated for 12KV, 630A, and 25KA/1 second, this AIS RMU offers secure and efficient secondary medium voltage distribution, designed for exceptional reliability, adaptability, and safety, thereby serving critical power network requirements effectively.

Diesel Generators



Diesel Generators

TEBA UNITED is a manufacturer and esteemed partner specializing in diesel generators. Our operations encompass the local assembly and importation of a complete Package of Generator Sets, with a commitment to producing high-quality products, including:

- Canopies.
- Trailers.
- Fuel Tanks.
- Control Panels.

Our organization is dedicated to the development, manufacture, sale, and installation of systems for diesel generators that provide electrical energy.

Our facility utilizes advanced technology, such as laser cutting machines, CNC punching machines, and CNC bending machines, to ensure high-quality production standards and high operational efficiency.



TU Diesel Generators Range

TEBA UNITED offers an extensive range of generator set capacities, which include:

- Range is starting from 10 KVA up to 3750 KVA
- **Operating Frequency:** 50 up to 60 Hz; 1500/1800 r.p.m
- **Operating Voltage:** Low and medium voltage (0.38, 0.48, 3.3, 6.6, and 11) KV
- Compliance with applicable legal requirements for all generator sets
- Gensets are rated in accordance with ISO 8528 -1 standard conditions and compliant with BS 5514, ISO 3046
- Gensets have been tested in accordance with ISO 8528-6 standards
- TU manufacturing facility operates in accordance with ISO 14001:2015, 45001:2018 and ISO 9001:2015

Diesel Engines



Alternators



Control module



TU Product Types

- Open-type diesel generators
- Closed-type diesel generators enclosed in soundproof canopies
- Closed-type diesel generators enclosed in weatherproof canopies
- Closed-type diesel generators enclosed in super silent soundproof canopies
- Trailers with load capacities ranging from 1.5 to 30 tons
- Fuel tanks with capacities up to 40 m³
- Synchronization and Automatic Transfer Switch (ATS) panels
- Light towers



Diesel Generators After Sales & Installation Services

Durability Guarantee: Our after-sales team is well-equipped to address any technical inquiries or challenges encountered with generator sets.

Continuous Care: We optimize installation performance and ensure the durability of engines.

Ease of Servicing and Minimal Repair Costs: Our reputation for simple servicing and reduced maintenance and repair expenses is well established.

Professional Team: A highly qualified and equipped team is available to offer support.

Comprehensive Support:

- Availability of spare parts and necessary equipment
- Personnel with specialized training
- Assurance of safety and durability



Certificates



Lighting

Lighting



TEBA UNITED has established itself as a leader in the lighting industry since 2012, with a strong focus on high-quality components and design. Initially, our goal was to provide robust and durable LED and other lighting solutions; however, we have since expanded our offerings to include more intelligent and versatile lighting systems. We take pride in sharing our expertise with businesses, households, and various sectors.

LED Chips:

TEBA UNITED is dedicated to providing superior-quality LED chips for our consumer products through partnerships with globally recognized associates.

Electronic Drivers:

We allocate resources towards providing high-performance and efficient electronic drivers, ensuring stable and long-lasting operations. Collaboration with industry leaders enables us to provide the Egyptian market with exceptional drivers.



Product Categories



Indoor Lighting

Our primary objective is to deliver indoor lighting solutions that not only function effectively but also create the desired ambiance. **TEBA UNITED**'s commitment to excellence is evident in our diverse product portfolio and services.



Outdoor Lighting

TEBA UNITED recognizes that outdoor lighting presents unique technical challenges, which we approach with dedication and expertise. We design and implement reliable outdoor lighting solutions tailored to the environment.

Decorative & Landscape Lighting

Effective lighting encompasses both functionality and artistic expression. **TEBA UNITED** is pleased to offer decorative indoor and landscape lighting solutions for discerning consumers who appreciate personalized illumination.

In public spaces, industrial sites, and other demanding environments, the need for peak performance and stability in lighting solutions is paramount. Accordingly, **TEBA UNITED** is proud to provide heavy-duty lighting solutions to meet these stringent requirements.

Indoor Lighting



Fixed Spot



Adjustable Spot



Weather Proof



Panel Light



Surface Down Light



Down Light



Emergency Exit



Magnetic track light

Outdoor Lighting



High-bay Lights



Flood Lighting



Street Lighting

Landscape & Decorative Lighting



Up Light



Step Lights



Garden Spikes



Up & Down



Bollard Lights



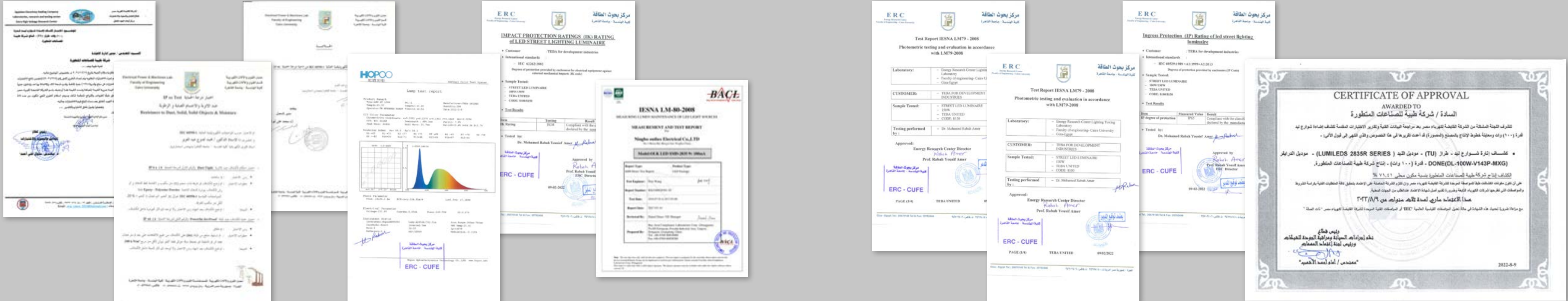
Bulk Head



Decorative Pole



Certificates



Earthing & Lightning Protection System

Earthing & Lightning Protection System

TEBA UNITED stands as Egypt’s premier dedicated provider and manufacturer of specialized Earthing and Lightning protection solutions. Renowned within the industry, the company exceeds standard expectations to fulfill the specific needs of the Egyptian market with tailored Grounding and Lightning Protection Systems and Solutions.

Earthing System Accessories

TEBA UNITED offers an extensive range of high-quality Earthing (Grounding) Accessories, as well as comprehensive systems designed to safeguard against electrical potential. The available solutions encompass the following components:

- Earthing Rods
- Rod Clamps
- Earthing Bars
- Inspection Pits
- Enhancement Materials
- Exothermic Welding

Lightning System Accessories

TEBA UNITED manufactures complete Lightning Protection Systems along with accessories that enhance any organization’s lightning protection and response capabilities. The following solutions are included:

- Air Terminals
- Terminal Bases
- Conductor Networks
- Clamps and Clips
- Early Streamers Devices

Our Capabilities

As a specialist contractor in Earthing and Lightning Protection Systems, **TEBA UNITED** provides comprehensive solutions for various project types, which include but are not limited to:

- Risk Assessment Studies
- Full Systems Designs
- Systems Calculations
- Materials Supply
- Installation Process
- Testing and Commissioning

Compliance:

TEBA UNITED’s Earthing and Lightning Protection Systems adhere to the following industry specifications and standards:

UL 467	BS 7430: 2011+AI:2015	IEC 62561-1: 2012	NFC 17-102	ISO/IEC 17025:2005
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BRANDS Introduction

With over 15 years of experience, **TEBA UNITED** delivers Leading Earthing and Lightning Protection products and services to the Egyptian market. Through manufactured products, system design, and installation processes, the company strives for optimal total solutions emphasizing efficiency, quality, and cost control. TU Earthing and Lightning Protection Systems are among the first Egyptian brands in this field, built upon extensive experience gained from collaboration with international manufacturers over the past 15 years.



Why Choose TU?

Products

The extensive experience of our manufacturing team allows us to achieve superior quality in our products, aligning with international standards and best practices.

Knowledge

Our comprehensive understanding of the most current international standards enables us to deliver optimal solutions that comply with the latest IEC, BS, NFPA, NFC, and NEC norms.

Expertise

Our technical team provides specialist advice with a focus on quality, efficiency, value-engineering, and cost-effectiveness.

Customer Service

Our technical support and sales teams are committed to addressing all Earthing and Lightning Protection needs.

BRANDS Introduction

TEBA United serves as the sole agent for AMPER in Egypt







AMPER is recognized as a leader in the lightning protection and earthing sectors, boasting over 50 years of experience and a reputation for high-quality services and professionalism. Our joint venture in Egypt has secured a significant market share, emphasizing efficiency, quality, and cost control.

AMPER is devoted to meeting the needs of both domestic and foreign institutions within the Lightning Protection and Grounding Industries, adhering to national and international standards. True to its core values, AMPER continuously showcases industry leadership, demonstrating the dynamism and enthusiasm that have characterized the company since its inception. We consistently provide optimal solutions to meet customer requirements through a diverse range of products and by distributing leading global brands.



TEBA UNITED manufactures a proprietary line of Earthing and Lightning Protection Systems, including the TU Earthing and Lightning Protection System and AMPER products. The company ensures its offerings meet various specifications to address all market demands. TEBA UNITED proudly serves as a distributor for notable brands such as HARGER, a recognized leader in the industry. This collaboration allows TEBA UNITED to effectively meet the diverse needs of the field, establishing itself as a leading manufacturer and supplier of earthing materials and lightning protection products for international markets.

Product Range

	<p>Copper Bonded Earthing Rods When installed at significant depths, typically offer the most economical earthing solution. Copper Bonding: Minimum thickness of 250 microns Material Composition: Copper with a purity of 99.99% Mechanical Strength: Minimum tensile strength of 600 N/mm² Compliance Standards: BS EN 62561-2, BS 7430</p>		<p>CLAMPS: These components are specifically engineered to connect various sizes of cables to earth electrodes. Material: High-strength copper alloy Standards: BS EN 62561-1, BS 7430</p>
	<p>Coupling: They are of adequate length and feature counter-boring to ensure that the earth rod threads are fully enclosed. Material: High copper content alloy, composed of bronze (Cu + Sn + Al + Zn). Standard: Compliance with BS EN 62561 and BS 7430.</p>		<p>Pits: They are suitable for a load rating of 4,500Kg and suitable for most types of earthing and lightning protection installations Pit dimensions: 300X300X210mm (W x D x H) Material: Concrete</p>



Air terminals:
Are designed for compatibility with either the standard air terminal base, the multi-purpose base, or the side-mounted brackets.
Material: Copper with 99.99% purity
Standard: BS EN 62561-2



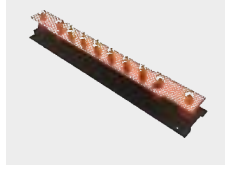
Driving studs:
They are made of high strength to withstand repeated use with power hammers.
Material: High-strength steel



Test clamps:
Are designed to join conductor tape to facilitate the annual testing.
Material: (Cu + Tin + Al + Zn)
Standard: BS EN 62561-1, class H



Graphite Mould:
The conductors are arranged for welding at an approximate temperature of 1000°C.
Material: Graphite
Density: 1.92 gm/cm3



Earthing bars:
Material: Copper with 99.99% purity



Square DC Clamps:
Are designed to facilitate the interconnection of crossing tapes, straight-through joints, or "T" connections, thereby establishing a continuous network of tapes.
Material: Bronze alloys
Standard: BS EN 62561-1



Early Streamer Devices:
Used as a complete solution for protecting against lightning strikes
Material: Stainless Steel Standard: NF C 17-102



Air terminal bases:
Are designed to be used with the air terminals and elevation rods
Material: (Cu + Tin + Al + Zn)
Standard: BS EN 62561-1, CLASS H Bolt M10

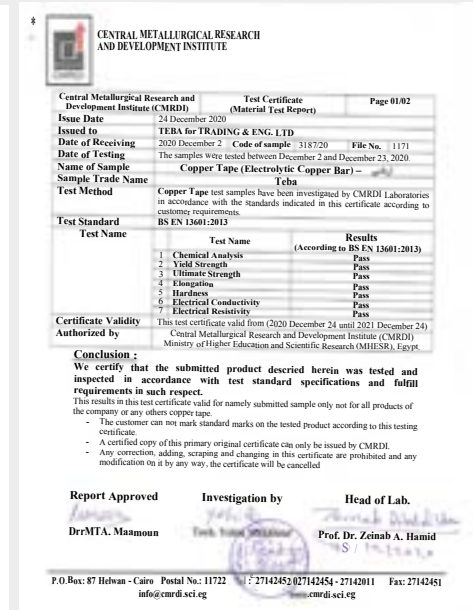
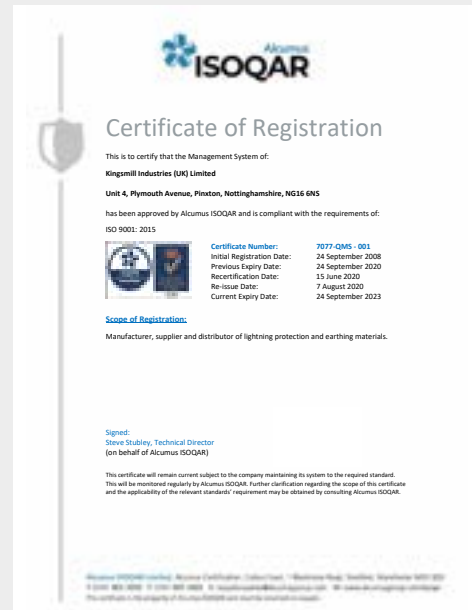
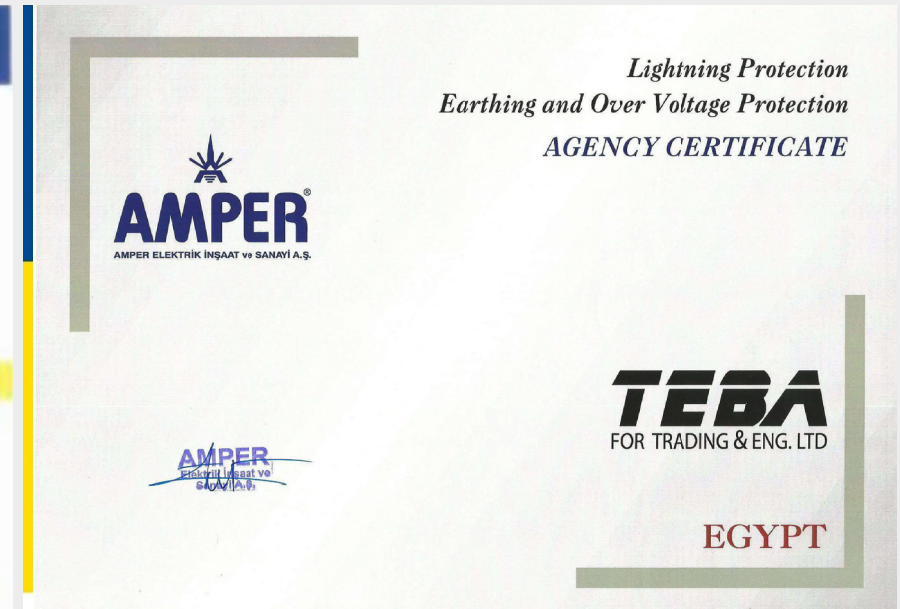


Copper tape / bar
Material: Copper with 99.8% purity
Coil: 25mt - 50 mt



Ground enhancement materials

Certificates



Special Cables





Special Cables

TEBA UNITED serves as the exclusive partner for ITALCOND, a distinguished manufacturer of premium special cables originating from Italy. Located in Recanati, Italy, ITALCOND SRL is recognized as a leading producer of high-performance specialized cables that comply with stringent quality standards. The company is celebrated for its innovation and commitment to excellence, seamlessly integrating technical expertise with strong logistics to effectively meet the needs of clients both domestically and internationally.

As the **Exclusive Agent** for ITALCOND in our region, TEBA UNITED offers a diverse array of reliable Italian-made cables tailored for various industries.

Our Product Range Includes:-

- Fire Resistance Cables (Compliant with fire-resistant and high-temperature standards)
- Fire Alarm System Cables (Rated for 105°C, overall shielded for critical systems)
- Sound & Control Cables (Overall shielded for clear audio and control signal transmission)
- Coaxial Cable RG6 (75 Ohm, optimized for CATV)
- Telephone Cables (Twisted Pair, unshielded for dependable communication)
- BUS Cables (KNX/EIB, designed for building automation)
- Network Cables (Available in both unshielded and shielded varieties for data networks)
- PROFIBUS Cables (L2/F1P 150 Ohm, designed for Factory Instrumentation Protocol)
- Solar DC Cables (H1Z2Z2-K, flexible single-core halogen-free cable for photovoltaic systems)
- Musical Instrument Cables (Balanced microphone cables featuring an overall aluminum polyester tape shield)

TU Product Range



Fire resistance cables



Fire alarm cables



Sound & control cables



Coaxial cables



Telephone cables



Bus Cables



Network Cables



PROFIBUS Cables



Solar DC Cables



Musical Cables



LPCB®
delivered by bre



LPCB®
delivered by bre



Avenger Fire Alarm & Fire Fighting Made in USA UL/FM

 AVENGER

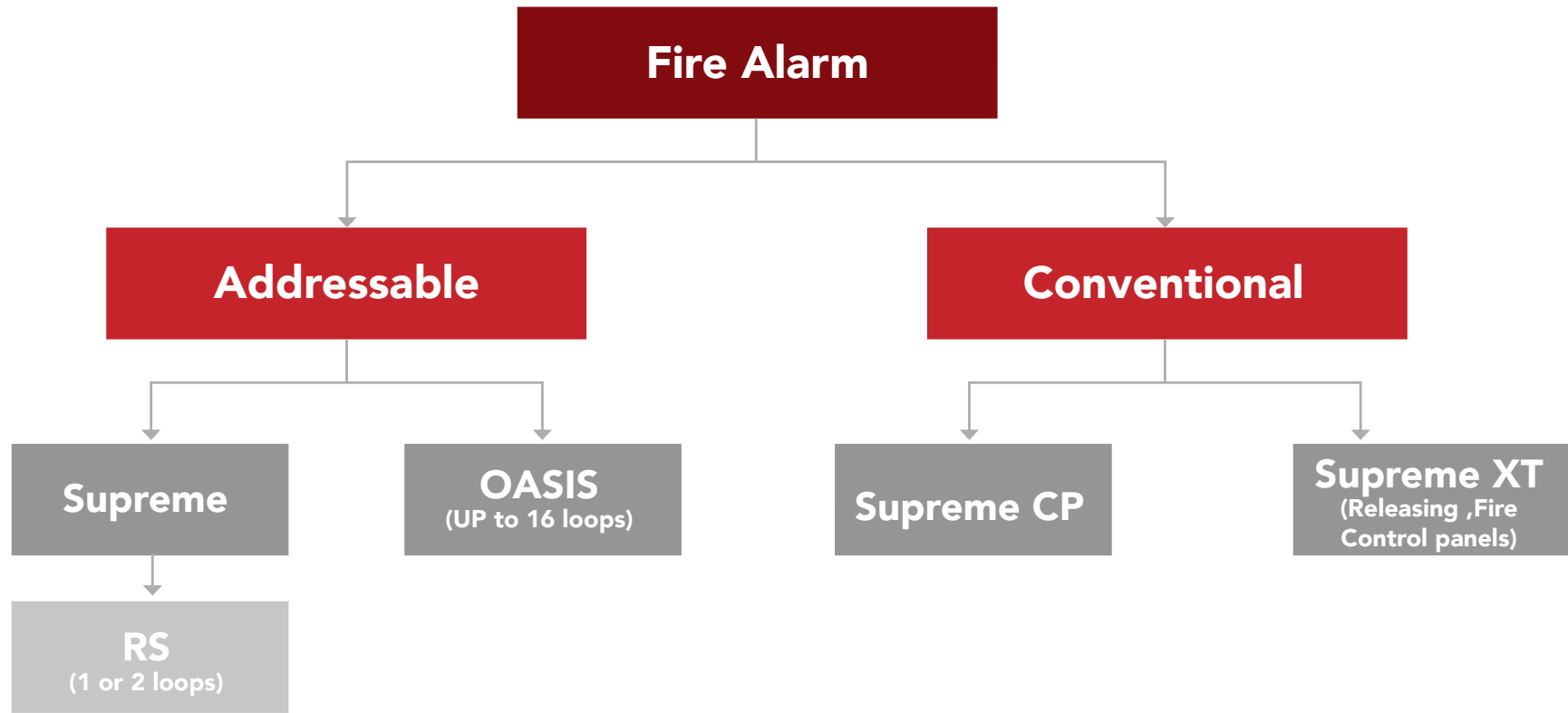


Fire Alarm

The importance of investing in appropriate safety measures cannot be overstated. In partnership with Avenger System, TEBA UNITED delivers state-of-the-art fire detection and protection systems to the Egyptian market.

TEBA UNITED acts as the sole agent for Avenger products in Egypt.

Avenger System is an independently owned company specializing in fire detection and suppression, with operations spanning numerous regions globally. We provide an array of fire protection setups, advanced technologies, and more.



Fire Alarm Features



OASIS FIRE ALARM CONTROL PANELS

- 2 to 16 Loop
- Hochiki Protocol
- Modular design
- Networking capability for decentralized installations (up to 127 nodes)
- Fiber optic communication supported with a distance up to 40KM between 2 consecutive nodes
- Full Color 7" Touch Screen
- Metallic Construction



SUPREME-RS FIRE ALARM CONTROL PANELS

- 1 / 2 Loop
- Hochiki Protocol
- 8 x 40 characters LCD display
- Cause and Effects Logics including AND, OR, COINCIDENCE – Up to 500 Network Wide
- Up to 1,000 entry event log
- Non Volatile Memory
- Networking capability for decentralized installations (up to 64 nodes)
- 3 on-board relays



Fire Alarm Features

ADDRESSABLE DETECTOR RANGE



AS2010-00
HEAT DETECTOR

- Fixed temperature / Rate of Rise 2 in 1 detector
- Programmable Day and Night operation modes
- Programmable threshold Temperature



AS2011-00
SMOKE DETECTOR

- Programmable day and night sensitivity settings
- Flat response technology
- Daily calibration for sensor contamination



AS2012-00
MULTI-CRITERIA DETECTOR
SMOKE / HEAT

- Programmable threshold Temperature
- Programmable day and night sensitivity settings
- Flat response technology
- Daily calibration for sensor contamination



AS2014-00
MULTI-CRITERIA DETECTOR
SMOKE / HEAT / CO / COHB

- 16 UL Listed modes of operation
- RFA feature - Great resistance to unwanted alarms
- Programmable sensitivity settings
- CO Alarm and Fire Alarm analyzed separately



AS2042-00 / AS2043-00 / AS2044-00

CONVENTIONAL PHOTOELECTRIC SMOKE DETECTORS



Standard Features

- UL Listed
- Computer-designed non-directional smoke chamber
- 360° view of detector status LED
- Low profile, 2" high (with base)
- 2 or 4 wire base compatibility.
- Highly stable operation, RF/Transient protection
- Low standby current, 59µA at 24VDC
- One built-in power/sensitivity supervision/alarm LED
- Automatic Sensitivity window verification function meets outlined requirements in NFPA 72, Chapter 2 and 7, Inspection, Testing and Maintenance



Standard Features

- Choice of fixed temperature / rate-of-rise:
- 135°F (AS2020-00) or 190°F (AS2021-00) heat detector
- UL Listed spacing up to 60' by 60'
- 2 or 4 wire base compatibility, relay bases available
- Highly stable operation, RF/Transient protection
- Low standby current, 35µA nominal
- Two built-in power/alarm LEDs for 360° viewing
- Fully electronic operation
- Power/alarm LEDs confirm detector status



Fire Alarm Features

PULL STATION RANGE



AVENGER



SINGLE ACTION WITH HEX OR KEY FOR INDOOR USE



DUAL ACTION WITH KEY FOR INDOOR USE



RELEASING APPLICATIONS PULL STATIONS



WEATHERPROOF SINGLE OR DUAL ACTION FOR OUTDOOR USE

All the above models are available for addressable and conventional systems

Standard Features



MADE IN BRITAIN



- UL864 approved
- Two, four, or eight initiating circuits
- Initiating circuits individually configurable as Fire, or Supervisory
- Two 2.5A Notification Appliance Circuits
- 4.0 Amps total NAC power available
- Selectable NAC sync protocols
- 5 Amp power supply
- Alarm verification selectable by zone
- Resettable AUX power output rated at 0.3A
- AUX power configurable to power off or on
- Fire condition
- Fire, Trouble and Supervisory relays
- Single person walk test function
- Many advanced configuration options
- 24 hour standby with 7Ah batteries
- Maximum battery size 12Ah
- Optional DACT (SIA or Contact ID allowing user definable reporting codes)

Clean agent fire suppression System



AVENGER₂₂₇

- Safe for occupied areas
- Zero ODP and low GWP
- Extinguishes class A, B & C fires quickly and effectively
- Non - conductive, clean agent & leaves no residue

AVENGER₅₁₁₂

- One of the fastest & cleanest extinguishing agents protect irreplaceable documents & electronics
- Provides the highest margin of safety for humans under NFPA 2001



www.tu-egy.com

www.tu-eindhoven.nl



TEBA UNITED offers a comprehensive solution for **Fire and Gas Detection**. We take pride in our partnership with Macurco, our primary vendor from the United States for Gas Detection Systems. With over 50 years of proven experience in residential, commercial, and industrial gas detection, Macurco complies with the internationally recognized standards for Quality Management Systems (QMS), certified as ISO 9001:2015 and UL.

Portable Gas Detection Solutions

Building and Home Gas Detection Solutions



Industrial Gas Detection Solutions

Audible Visible Notification Appliances

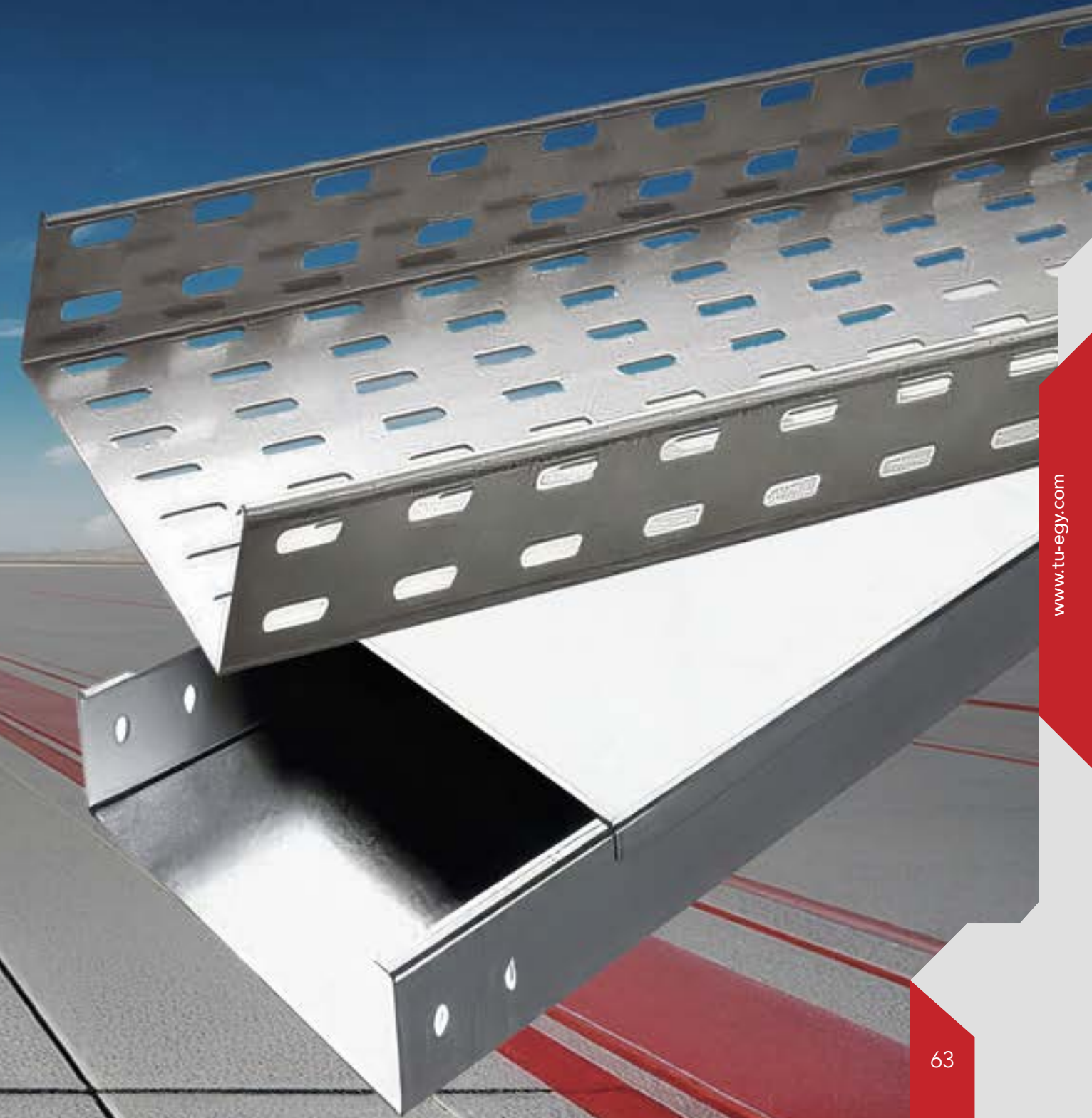


TEBA UNITED is proud to operate as a **System Integrator within Nexans’** extensive product range for **Networks and Accessories**.

Nexans or now Aginode, a reputable French company with a remarkable history of over 120 years, is acknowledged as a global leader in sustainable electrification. TEBA UNITED offers a comprehensive selection of systems and solutions, including:

Copper LAN System <ul style="list-style-type: none">• LANmark-6 U/UTP Cable• LANmark-6 F/UTP Cable shielded• LANmark-7 Cable S/FTP CAT7	LAN System Accessories <ul style="list-style-type: none">• Patch Panels & Patch Guides• Connectors• Patch Cords	Fiber Cables <ul style="list-style-type: none">• Full range of standard compliant multimode cables for LANmark-OF OM3, OM4 and OM5• Single mode 9/125 OS2 LSZH Eca Black OS2 cables	Fiber Accessories <ul style="list-style-type: none">• Fiber Patch Panels• Patch Cord Fiber SM/MM• Connectors• Big Tail and Splicing• Adapters & Modules for fiber LAN System	
				
				

Cable Tray



Cable Tray System

TEBA United provides an extensive array of high-quality cable management solutions that are engineered for exceptional performance and durability across a variety of applications.

1. Cable Management Solutions:

The core product range of TEBA United includes:

- **Cable Trays:** We are offering a range of customizable products specifically designed to support and manage large bundles of cables, facilitating straightforward installation and accommodating future upgrades.
- **Cable Trunks:** protective enclosures serve to conceal and organize cables while allowing for ease of access during maintenance.
- **Cable Ladders:** We are effectively supporting heavy cable loads, especially in areas with constrained space or where vertical installation is required.



2. Cable Tray Accessories:

TEBA United offers a diverse selection of accessories that enhance the adaptability and functionality of the cable management systems:

- **Horizontal Connectors:** Including L90°, L45°, Tee, and Cross connectors, which enable the necessary bends and joints to route cables around corners or to split them into various directions.

- **Vertical Connectors:** Such as Faller 90° and 45° as well as Raiser 90° and 45°, designed for vertical cable routing and elevation.
- **Reducers:** Middle Reducers and other connectors allow smooth transitions between different tray sizes.
- **Covers:** Straight covers, Tee covers, and L45° covers ensure cables are safely enclosed, providing extra protection from environmental factors and physical damage.
- **Adjustable Bends:** Flexible components facilitate custom configurations, ensuring that the cable tray can adapt effectively to various layouts.

3. Materials and Manufacturing:

TEBA United is dedicated to utilizing high-quality materials to ensure compliance with international standards for their cable trays. The primary materials employed include:

- **Sheet Mild Steel:** Available in several finishes, including Pre-Galvanized, Hot-Dip Galvanized, Electrostatic, and Electro Galvanized, to meet varying durability requirements and environmental conditions.
- **Aluminum:** Noted for its lightweight and corrosion-resistant properties, making it suitable for environments where these factors are of concern.
- **Stainless Steel:** Specially formulated for use in harsh environments, such as marine or chemical industries, where high resistance to corrosion and extreme conditions is paramount.

4. Surface Treatments:

The implemented surface treatments enhance the cable trays' resistance to environmental stressors such as moisture, chemicals, and mechanical wear:

- **Hot-Dip Galvanization:** Provides robust protection, making it ideal for outdoor and industrial applications where environmental exposure is high.
- **Pre-Galvanized Steel:** Features a thinner coating, which is typically used for light-duty applications that do not require as stringent a corrosion resistance.
- **Electrostatic Coating:** A protective powder coating that ensures resistance to abrasion, chemicals, and high humidity, ideal for specialized applications.
- **Electro-Galvanization:** Involves a thinner zinc layer than hot-dip galvanization, making it appropriate for indoor use or environments with reduced corrosion risk.

5. Application & Value:

The cable management systems provided by TEBA United are versatile and applicable across a wide range of industries and applications, offering several notable advantages:

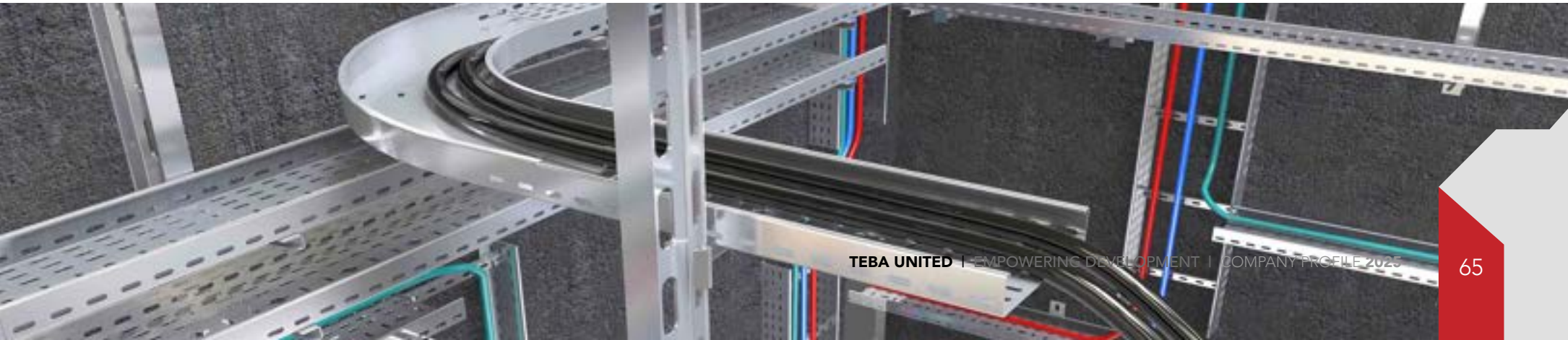
- **Industrial Plants:** Ensuring robust and flexible cable management for manufacturing, processing, and other industrial operations.
- **Commercial Buildings:** Providing organized and efficient cable management solutions for office buildings, hospitals, and other commercial structures.

- **Infrastructure Projects:** TEBA United offers cable management systems that guarantee safety, durability, and adaptability to environmental conditions in large-scale projects, including airports, highways, and public utilities.

Value:

- **Easy Maintenance & Upgrades:** Modular design allows for easy installation, modifications, and future upgrades, saving both time and money.
- **Cost-Efficient:** The ability to easily expand or modify cable trays leads to long-term savings by reducing labor costs and installation time.
- **Environmental Adaptability:** Various material and coating options provide solutions for a wide range of environmental conditions, from industrial to commercial and outdoor applications.

TEBA United's unwavering commitment to quality ensures that its cable trays conform to global standards, thereby delivering superior performance and long-term durability for effective cable management solutions.



Engineering & Contracting



Engineering & Contracting

Our company specializes in comprehensive electrical, mechanical, civil, Finishing Works and low current systems integration contracting services in the Architecture, Engineering, and Construction (AEC) industry. We are committed to delivering high-quality projects that meet all safety standards and local guidelines while adhering to project timelines.

We are a Premier MEP Contractor Proudly recognized as a First-class electro-mechanical & civil contractor



MEP Contracting

Mechanical Contracting

We offer a full range of mechanical contracting Supplies, installation, testing and commissioning, including:

HVAC Systems:

- Various HVAC systems, including VRV and VRF systems.
- Machine rooms (Chillers, Pumps, Cooling towers, Expansion tanks, Air separators).
- Chillers, package units, fan coil unit, fresh air handling units, chilled water pump set, Chemical Treatment and associated control system.

Firefighting Systems:

We proudly offer services in supplying and installing fire protection systems, specializing in CO2, FM200, aerosol fire suppression, and fire extinguishers. Our expertise ensures effective fire protection for all types of projects.

Electrical Contracting

We handle all aspects of electrical Supplies, installation, testing and commissioning including:

Low and Medium Voltage Works:

- Medium Voltage (Distributers, RMU's, Transformers, MV Generators, Cables)
- Low Voltage (Distribution Board, ATS, MCC's, LV Generator, UPS, Earthing System, Cables, Lighting systems).
- Electrical Indoor Distribution System.
- Electrical substations and infrastructure, and landscape.
- Safety and Quality Assurance: Our approach emphasizes safety and quality, ensuring that all electrical projects comply with relevant standards and local regulations.

Plumbing and Drainage Services:

- Water supply systems using PVC, PPR, copper, and PEX materials.
- Firefighting and sprinkler systems, including complete piping solutions.
- Water tanks, water pump, and firefighting pump.
- Comprehensive plumbing services, including the installation of compressed air systems, vacuum systems, and central heating systems with hot water calorifiers and exchangers.
- Rainwater drainage solution.



Civils & Interiors

Civil Works

Civil works encompass the foundational and structural elements of a construction project. Key components include:

Site Preparation: Clearing, grading, and excavation to prepare the site for construction.

Foundations: Designing and constructing various types of foundations (e.g., shallow, deep) to support the structure.

Structural Work: Erecting frameworks using materials such as concrete, steel, and masonry to create the building's skeleton.

Earthworks: Managing soil and rock movement for grading, trenching, and backfilling.

Utilities Installation: Incorporating essential services, including water supply, sewage, drainage, and electrical systems.

Roadworks and Pavements: Constructing access roads, parking lots, and pedestrian pathways.

Finishing Works

Finishing works focus on the aesthetic and functional aspects of a building, ensuring it meets design specifications. Key elements include:

Interior Finishes: Installing drywall, flooring (tiles, carpets, hardwood), ceilings, and wall finishes (paint, wallpaper).

Exterior Finishes: Applying siding, cladding, and paint to enhance visual appeal and protect against weather.

Joinery and Millwork: Crafting and installing doors, windows, cabinets, and other woodwork.

Masonry and Plastering: Completing walls with brick, stone, or plaster to provide durability and a finished appearance.

Fixtures and Fittings: Installing lighting, plumbing fixtures, and electrical outlets for functionality and comfort.

Landscaping: Completing the project with outdoor elements such as gardens, pathways, and decorative features.



Integrated System Solutions

Low Current Systems Integration

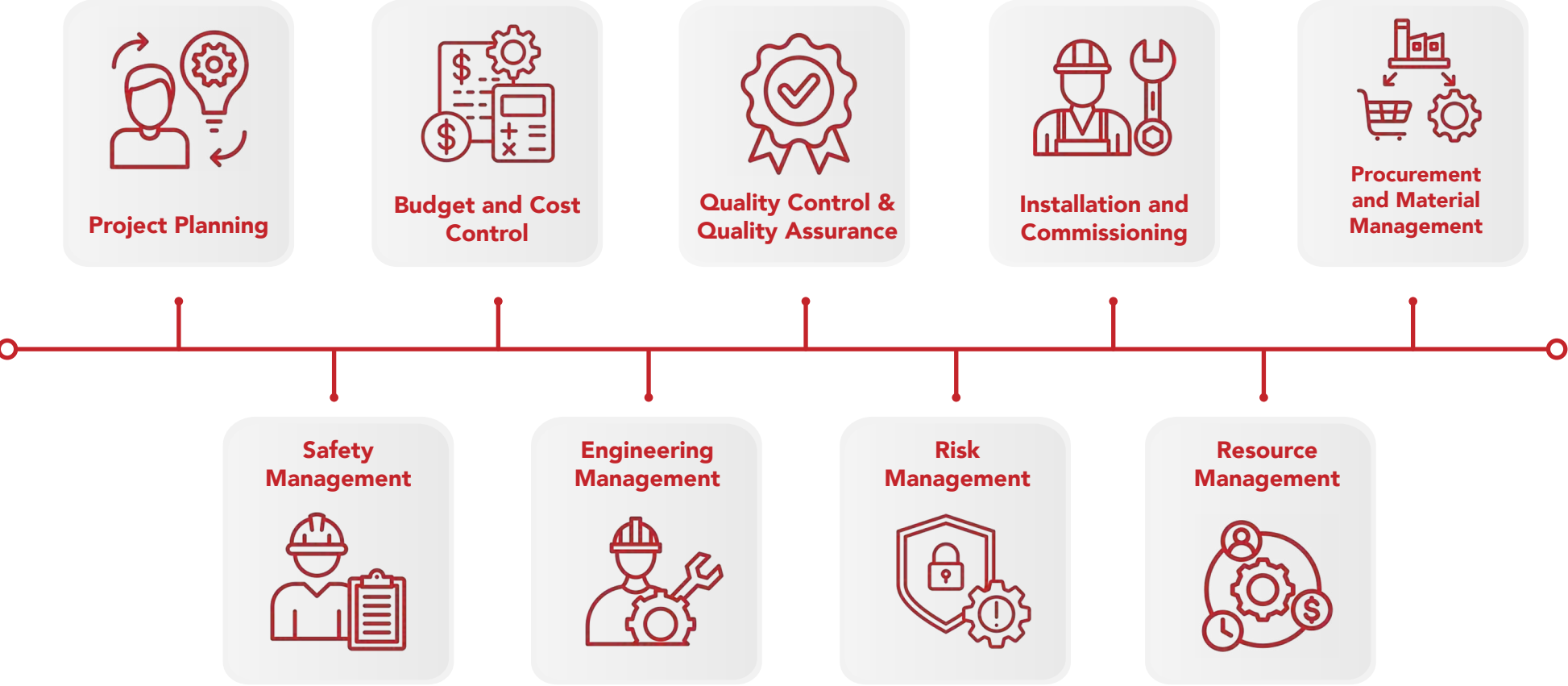
Our expertise extends to low current systems, providing integration, Supplying and installation services for:

- Fire Alarm Systems
- Public Address Systems
- IP Structured Systems
- Data Centers

- Access Control Systems
- MATV&SMATV
- Guest Room Management Systems (GRMS)
- KNX (Smart Home Systems)
- Building Management Systems (BMS)
- Audio-Video Conference System.

We integrate these systems and more to ensure seamless operation and functionality across all project types.

Core Services



TU Project Execution

Commitment to Excellence

Our team is dedicated to delivering projects on time and within budget while maintaining the highest standards of safety, quality, and efficiency. We ensure that all our services are tailored to meet the specific needs of each project, guaranteeing client satisfaction and successful project outcomes.

Project Management and Delivery

We pride ourselves on our ability to deliver projects on time and within budget. Our project management approach includes:



Contracting Milestones

Project Samples



Commercial & Residential Buildings Sector:



- Al-Khamael City
- ORO Plaza Club
- Kom El Dikka Towers in Alexandria
- Alatareen Towers
- Alameen Villa
- Police Mosque
- Gardenia

Telecom Sector:



- WE Telecom Egypt Projects
- Vodafone Egypt
- Almaza Central
- Correctional & Rehabilitation Center - 10th of Ramadan

Industry Sector:



- GYPTO PHARMA (Madent El dawa)
- Coca-Cola Factory
- Egytech Cables Factory (Elsewedy Electric)
- Oil Factory (UCCMA)
- Feed Factory (UCCMA)
- Industrial Zone (Mubarak Camp)
- Bitarhrim Pipes Factory - Beni Suef
- Al-Amal Pipes Factory (Al-Sharif Company)
- Saqr Factory
- AOI Factory
- Free Zone (Cairo- Alexandria- Ismailia- Port Said)

Infrastructure Sector:



- New Capital
- Hyah Karima
- Toshka
- Ain El Hayat - Al Fustat
- Al-Tameer Project (Diyar)

Water Sector:



- Al Wadi El Geded Waste Water Treatment Plant
- Water Treatment Plant - Mansoura
- Water Treatment Plant - Hurghada

Hospitality Sector:



- Rixos Group (Sharm El Sheikh - Hurghada – North Coast)
- Radamis (Sharm El Sheikh)
- Tiba Rose Hotel
- Hilton (Sharks Bay Sharm El Sheikh- Taba- Elmontazah)
- Tulip Hotel - New Capital
- ELMO Hotel Marsa Allam
- Grand Azure (Sharm El Sheikh)
- Sofitel El Gezirah

Administrative Sector:



- United Nations New Capital
- Police Security Complex
- General Directorate of Passports
- Egypt Expo & Convention Authority
- Al-nassab al-tazkari – Police Academy
- Badr Correctional & Rehabilitation Center
- Asher Correctional & Rehabilitation Center
- Wadi El Natroon Correctional & Rehabilitation Center
- Minya Correctional & Rehabilitation Center
- Conference Center – Police Academy

Oil & Gas Sector:



- EGAS (Egyptian Natural Gas Holding Co.)
- Alexandria Mineral Oils Company (AMOC)
- Petromaint - Alexandria Petroleum Maintenance Co.
- Sidi Kerir Petrochemicals

Contracting Milestones

Project Samples

Educational Sector:



- Misr University for Science & Technology (MUST)
- Police Academy
- Faculty of Engineering - Mansora University
- Altaka Academy - Mansora University
- Badr University
- King Salman University
- Galala University
- Galala School
- Al Ahram Canadian University

Sports Sector:



- Police Club
- Dar Elmarasem
- Police Club (Alexandria)
- Bab Shark Club
- Al-Ahly Club
- Al-Zamalek Club
- Air Defense Stadium
- Police Union Stadium
- Rowing Club (Zamalek)
- Ismaileya Olympic Village

Textile Sector:



- Egy France textile Company (Free Zone)
- Misr Spain Co. Blankets & Textiles (Industrial Zone)
- Egyptian International Textile Company "Tie"
- Pullovers Factory in Mubarak camp
- Zara Company in Free Zone
- Blankets Factory in Mubarak camp
- Pharaoh Factory or carpets and rugs
- Leathers Factory in Mubarak camp

Medical Sector:



- Police Hospital
- Medical Center (Cleopatra Hospital) – 6th of October
- Hahya Hospital
- Badr Hospital
- Minya Hospital
- ElGalaa Maternity Hospital
- Elgomhorya Hospital
- Institute of Ophthalmology
- Institute of Nutrition
- Cancer Treatment Center (Ismailia)



EMPOWERING DEVELOPMENT ACROSS EGYPT

COMMERCIAL & RESIDENTIAL SECTOR 350 PROJECTS	INDUSTRY SECTOR 66 PROJECTS	TELECOM SECTOR 15 PROJECTS	MEDICAL SECTOR 200 PROJECTS
INFRASTRUCTURE SECTOR 400 PROJECTS	WATER SECTOR 17 PROJECTS	HOSPITALITY SECTOR 66 PROJECTS	TEXTILE SECTOR 166 PROJECTS
ADMINISTRATIVE SECTOR 13 PROJECTS	EDUCATIONAL SECTOR 150 PROJECTS	OIL & GAS SECTOR 50 PROJECTS	SPORTS SECTOR 32 PROJECTS



TU Clients

RIXOS
HOTELS

MISR ITALIA
PROPERTIES



UCCMA
UNITED COMPANY
FOR CHEMICAL AND MEDICAL PREPARATIONS

THE
WATERWAY
DEVELOPMENTS

المركز الطبي الدولي
International Medical Center

Coca-Cola

EGYPTAIR
A STAR ALLIANCE MEMBER

GYPTO
PHARMA

MOUNTAIN
VIEW

HASSAN ALLAM
HOLDING

AOI
الهيئة العربية للتصنيع
ARAB ORGANIZATION
FOR INDUSTRIALIZATION

ORASCOM
CONSTRUCTION

Hilton
ALEXANDRIA GREEN PLAZA

ELSEWEDY
ELECTRIC



MISR UNIVERSITY
FOR SCIENCE & TECHNOLOGY

HANIMEX

مجموعة
Talaat Moustafa Group

مجموعة الشايح
ALSHAYA GROUP

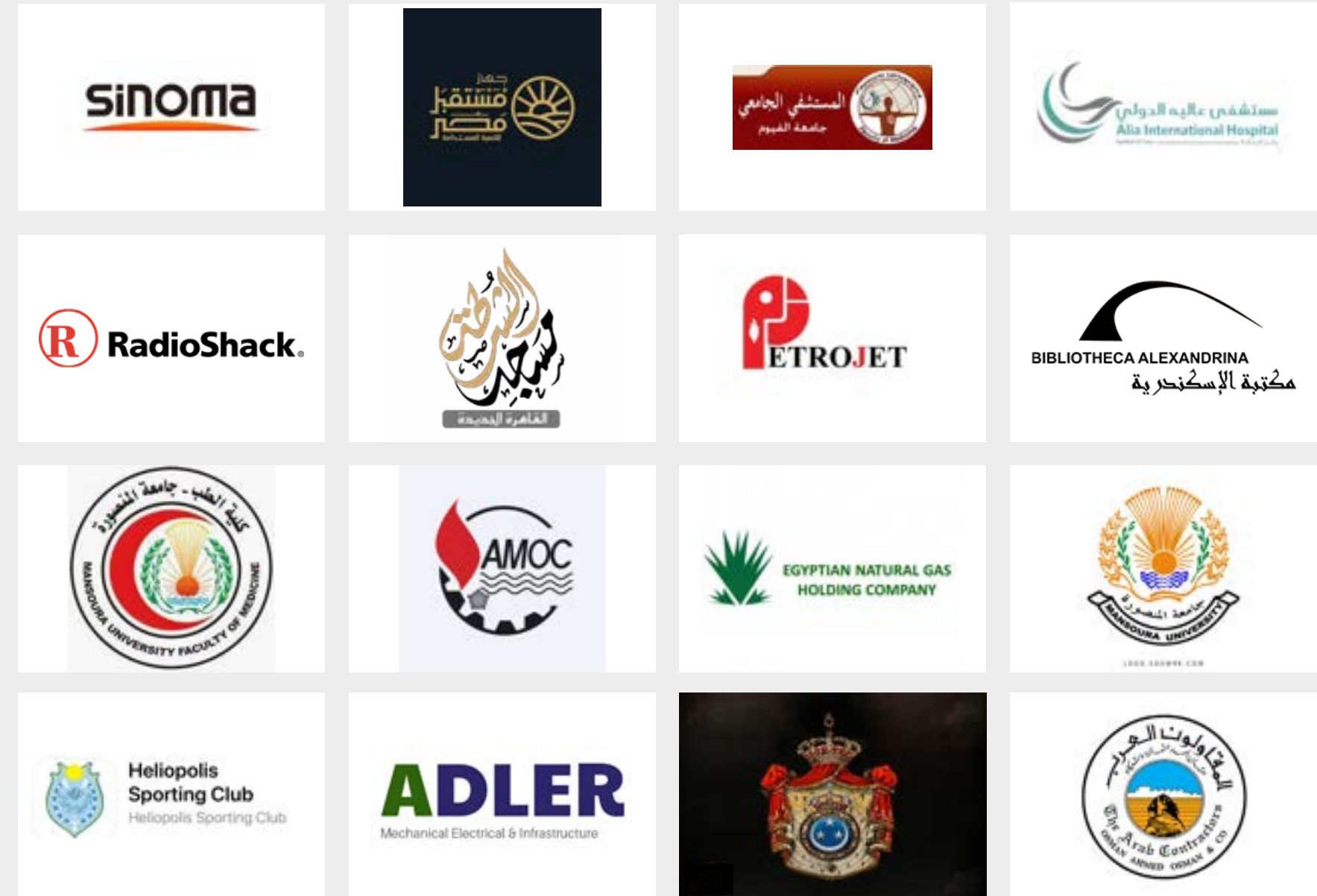
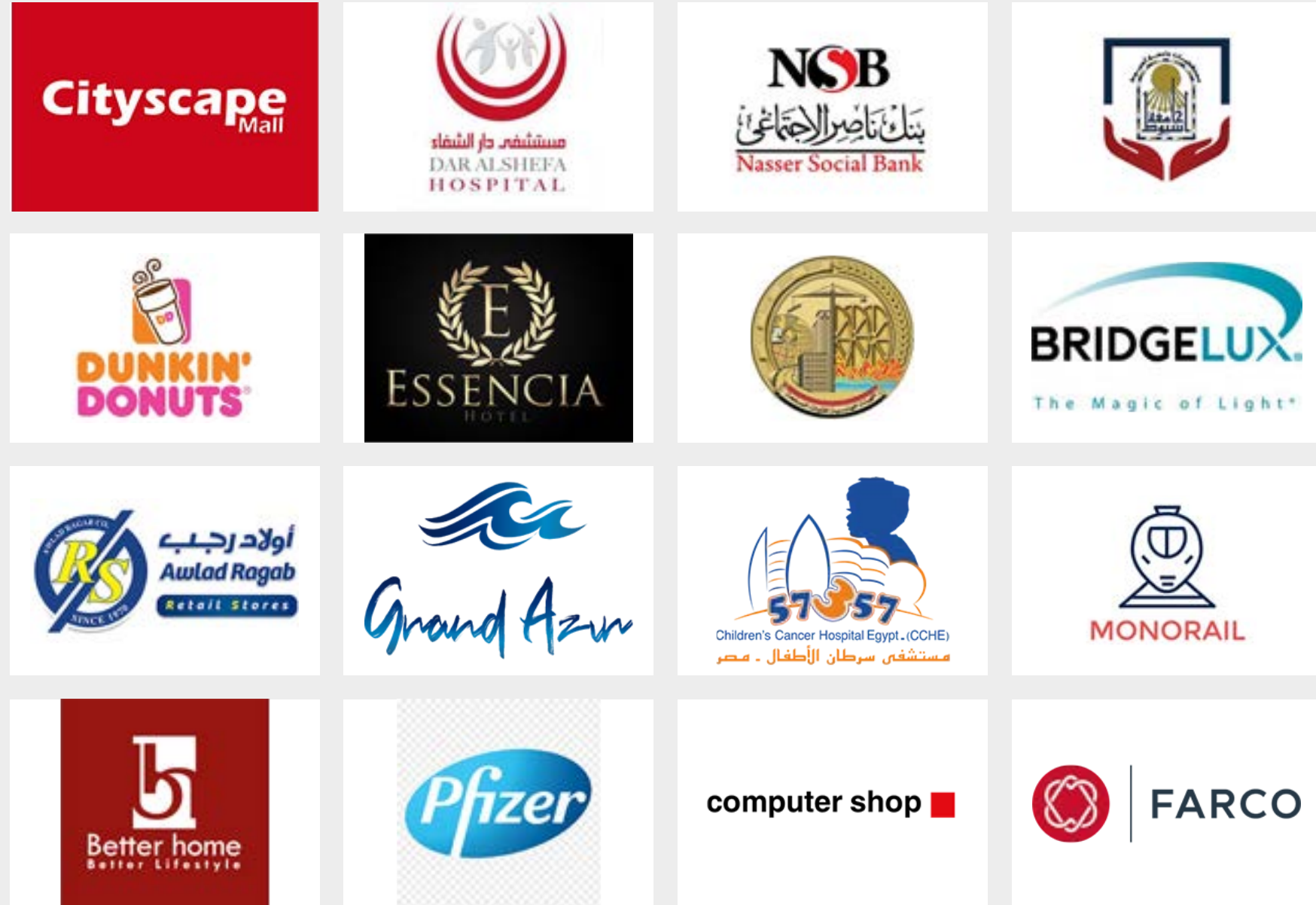
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REDCON
CONSTRUCTION

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SUEZ CANAL
AUTHORITY







innovo



MODAD







98 Hassan Mamoun St.,
Nasr City, Cairo, Egypt



Plot No.1 – Industrial Zone
(7A), 10th of Ramadan



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tu-egy.com



Teba-United



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