



FERRUM STEEL

— Steel Construction —



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Ferrum Steel Company in Egypt and Middle East has the capability and resources which can serve and support our clients to offer the complete package in industrial steel plate works, silos, telecommunication towers ranging from design shop drawing manufacture, fabricate point erection this enables the company to offer an unrivalled service from raw material through finished product .



**vision:**

To be the customers' preferred choice for steel fabrication and erection solution and lead our industry by providing the best value in products, services and solutions to our clients.

**Mission :**

To be one of the world leading companies in steel structures , acting to satisfy our customers and employees, enhancing shareholders rights and contributing to community welfare through providing competitive equality solutions .

**Values :**

Ferrum Steel - formed its core values early on and maintained them to be followed as guidelines since the past, through the present and into the future.

**Through our operations in Egypt we offer a comprehensive range of supply, fabrication, erection, painting, galvanizing and shop site delivery for:**

- Steel Structure (Light Medium and Heavy).
- Plate Works of Process Steel Equipment's.
- Transmission & Telecommunication Towers.
- Galvanization.
- Pre-engineered Building.
- Galvanized Steel Wire.

**Our services include design & detail engineering, project management, fabrication, installation and after sale services.**





Ferrum Steel Engineering Department consists of highly qualified engineers using the latest updated software's and programs international and national standards.



## Engineering Software

The fully Computerized Engineering Network makes it very easy to produce precision design In addition to commercially acquired Software such as:

- AutoCAD - drafting software.
- X-Steel - sap2000 - sp column - Etabs-safe
- STAAD - analyzing software.
- Tekla structure for steel detailing.
- Primavera - Navisworks - Revit.

Ferrum Steel follows universally accepted codes and standards for the design , fabrication and specification of material .

- American institute of steel construction (AISC 89.05).
- American iron and steel institute (AISI).
- Metal building manufacturing association (MBMA).
- American welding society (AWS D1.1/D1.5).
- American society for testing and materials (ASTM).
- American society for non-Distractive test (ASNT).
- Steel structure painting council (SSPC).
- Egyptian code of practice for steel construction and bridges 2001.
- Structural use of steel work in building (British standards B5 5950).
- European code (EC3).

-The Engineering department provides the following documents as required by the project.

Engineering output consists of the following :

- Approval drawings.
- Design calculation.
- Anchor bolt plans.
- Fabrication Shop drawings.
- Bill of materials (BOM) / material (part) list.
- Erection drawings.

- **Factory:**

The factory consists of:

Prefabrication, assembly BUILT-UP sections and fabrication area

- **Equipped with:**

- Shear machine (max thickness 16 mm – max length 6000mm).

- Two Thermal cutters (automatic).

- Two submerged Automatic welding (1300 A-max length 15m).

- Six Semi-automatic welding machines.

- Eight manual welding machines.

- Five magnetic drill (32mm).

- 2 mts. Shear up to 20mm thick.

- GEKA-cutting punching and notching station.

- **Handling facility:**

Overhead Crane (5 ton).

Overhead Crane (10 ton).

## **Ferrum Steel Quality Policy**

ferrum Steel intends to maintain a position of Excellence in the field of steel structure plate work and telecommunication towers to achieve this vision top management committed to establishment, implementation and maintenance of :

### **Quality Management System (QMS) conforms with the requirements of ISO 9001 standard**

- Specific, measurable objectives, targets and programs for all of the company's departments and processes related to the integrated management system.
- Occupational health and safety management system (OHSMS) conforms with the requirements of (OHSAS) 18001 standard.
- Quality values must be internalized for all levels of the organization. Our approach is to inculcate and implement these values via education and training rather than Policing.
- ferrum Steel is committed to satisfy its customers by providing a competitive solution for the obstacles and comply with all requirement for continuous improvement.

### **Ferrum Steel is also committed to:**

- Communicates this policy to all employees and ensure that each of them applies it on daily work.
- Periodic review of the policy to assure its suitability.
- Set review and periodically update the objectives to realize this policy.

## Quality System

- Ferrum Steel Quality Department functions independently and continuously monitor the effectiveness of the quality management system and guaranteeing a consistent level of product Quality and Reliability
- A dedicated team of professional Quality Control Engineer inspector with a vast experience in the field  
Ensuring the product quality of the various stages of manufacturing  
All our special process inspection such as fitting, welding and coating inspection is carried out by the well trained and qualified inspector

## Quality Plan

- the standard inspection and test program and quality plan are strictly followed to ensure that the processes and product quality requirements are met.
- ITP is a quality control document containing details of inspection testing to be carried out at specific stages of manufacturing outlining the procedure. Specification and Codes references to be followed and listing the respective inspection forms reference to be completed or reported.



Project Name	Client	Location
Space truss	Ministry Of Youth And Sports	Sheraton Cairo Airport
Factory Buildings	Private Sector (Haney Village)	Gamasa, Dakahlia Alex Desert Rd
Al Galala University Algalala Gates	Public (Governmental ) Sector	Algalala City
Steel Buildings in Draya University	Private Sector	Al Menia
Steel Domes	Egyptian Ambulance Organization	6th October City
Arab Organization For Industrialization	Dar Alalamia For Construction	New Administrative Capital
Outdoor Steel Advertising	Egyptian Space Agency Mercedes Benz Mega Print Rock Company	Administrative Capital Gamasa - Dkahlia Ring Road - Al Monib Ring Road - NB tunnel
Steel Shed With Solar Cells	Private Sector	Miraj City
Administrative Buildings	Sindi Company For Cloths	Industrial Zone
Steel Stairs	Galleria Moon Valley	The fifth Settlement
Steel Gate	Private Sector	the Nile Corniche Maadi



(Space trusses)

**Sheraton Cairo Airport  
Social Development Building**



**Alex Desert Road / Haney Village**



**Deraya University / Steel Cafeteria**



**Egyptian Ambulance Organization / 6th October City**



**Outdoor Steel Advertising  
Mercedes Benz / Gamasa**



**Outdoor Steel Advertising  
Mega print / Nasr city**



**Outdoor Steel Advertising**  
**(GM) Gulf Manufacturers / 6th October City**



### Solar Cells



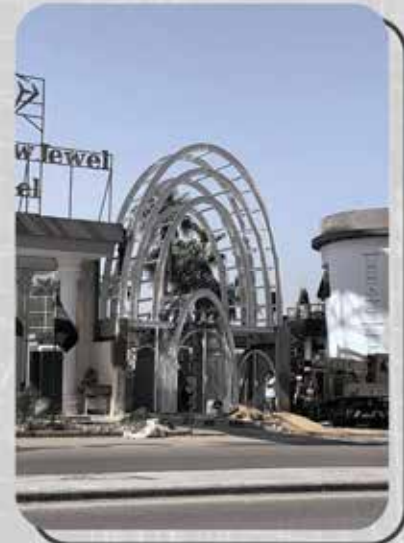
**Mosque /Ain Sokhna Road**



**McDonald's Building /Ain Sokhna Road**



the Nile Corniche , Maadi Infront of Maadi Star towers



the Administrative Capital , Egyptian Space Agency



**Al Noran Center / Zayed City**





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