

Our MISSION is to be recognized as a professional company in the field of **supplying materials and construction activities** whether in **mechanical** or **electrical** sections considering global codes and standards to meet a high quality strength that provides customers with extraordinary first class solution and services.

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Golden Flare

For General Supplies and Contracts





Golden Flare

For General Supplies and Contracts

Mechanical Works

Mechanical Supplies

Electrical Installations

Electrical Supplies

Manpower Supply

GFC is owned by Sir. Mohamed Hassan and has been founded to provide clients with their needs of electromechanical supplies and contracting. GFC is specialized at mechanical and electrical works including supply, transporting and handover of materials as per customers' requirements in addition to construction activities for oil and gas co., petrochemical & cement factories, electrical power stations and construction companies. GFC founders have along experiences in oil and gas field and they have been succeeded to accomplish a lot of projects and had a brilliant reputation among oil and gas companies in Egypt.

We offer clients our services which meet their demands of diverse nature and maintaining a competitive edge as we believe in building long lasting relationship with our clients. In tune with the rapid technological changes taking place across the globe, we always ensures continuous upgradation of our quality policy.

GFC provides complete services for installation, testing and commissioning for the wide variety of products and services we present including, electromechanical and control projects.

Services

Supplying

Construction

A. MATERIAL SUPPLY

1. Piping Packs.
 - Pipes
 - Flanges
 - Fitting
 - Valves
2. Cold Wrapping
3. Metal sheets
 - Flat (Hot Rolled sheets, cold sheets)
 - Checkered plates
 - Corrugated sheets
 - Sandwich Panel
4. Hot rolled sections and beams as UPN, UPE, IPN, IPE, HEA, HEB, HSS, equal angles and ...etc.

B. MANPOWER SUPPLY

1. Control & power cables
2. IP & EX Junction box
3. IP & EX Lighting fixtures
4. Panels
5. Earthing systems
6. Electrical Metallic Tube (EMT)
7. Accessories as glands, MCCB, MCB,...etc.

1. Piping and pipeline works
2. Storage tanks
3. Steel structure works
4. Fire Fighting works
5. Air conditioning works

1. power and lighting systems
2. Distribution panels
3. Buildings Indoor electricity
4. Low current systems
5. Troubleshooting, maintenance and commissioning & startup.
6. Earthing system.

Include Civil Works related to Mechanical and electrical works.

Mechanical Supplies

Supplying

Our mission is to make the local and global market easy in your hands by supplying the highest quality materials at the best prices. Golden flare co. is a legal supplier of high grade steel piping materials such as pipes, fittings, flanges, valves, gaskets and stud bolts for industrial market in Egypt. Our material is sourced from high quality manufacturers according to API, EN, ASTM and ASME standards. Our expertise also lies in supplying on short notice where we provide an exceptionally high level of performance for fast-track deliveries.

Piping Packages

Cold Wrapping

Metal Sheets

Steel Section

Man Power

Pipes



Seamless carbon steel Pipe

SPECIFICATIONS

RANGE	1/4" - 24"
SCH	5, 10, 20, 30, STD, 40, XS, 60, 80, 100, 120, XX, 140, 160, XXS
TYPES	Carbon Steel
CONSTRUCTION	Seamless
STANDARDS	API 5L A106/A53
GRADE	B, X42, X52, X60, X65, X70, X80 B GrA, GrC Gr3, Gr6



Seamless stainless steel Pipe

SPECIFICATIONS

RANGE	3/8" - 24"
SCH	5S, 10S, 40S, 80S
TYPES	Stainless Steel
CONSTRUCTION	Seamless
STANDARDS	A312
GRADE	TP304/304L, TP316/316L

Flanges

We supply carbon and stainless steel welded flanges of various sizes, schedules and grades.

TYPES

- Weld neck Flange
- Slip on Flange
- Blind Flange
- Socket Flange
- DN Flange



Carbon Steel

SPECIFICATIONS

RANGE	1/2" - 36"
SCH	5, 10, 20, 30, STD, 40, XS, 60, 80, 100, 120, XX, 140, 160, XXS, 160
MATERIAL	Carbon Steel
TYPE	RF, FF, RTJ
STANDARDS	ASTM A105N, ANSI B 16.5
CLASS	150, 300, 600, 900, 1500, etc.

Stainless Steel

SPECIFICATIONS

RANGE	1/2" - 36"
SCH	5S, 10S, 40S, 80S
MATERIAL	Stainless Steel
TYPE	RF, FF, RTJ
STANDARDS	A182
CLASS	150, 300, 600, 900, 1500, etc.

Mechanical Supplies

Valves

We supply UL/FM valves of various sizes for firefighting systems and High Pressure, medium & low pressure valves for flow lines and miscellaneous piping works.



Types

- Gate Valve
- Ball Valve
- Butterfly Valve
- Globe Valve
- Plug Valve
- Check Valve
- PSV
- Y-Strainer

Standards according to ASME B16.34 & ...etc.

Fittings

We supply carbon and stainless steel Butt-Welding Fittings of various sizes, schedules and grades.

TYPES

- Elbow (45°, 90°, 180°)
- Tee Straight
- Tee Reducing
- Cross
- Reducer Concentric
- Reducer Eccentric
- O-Let
- Nipple
- Coupling
- Stub bend
- Cap

Carbon Steel

SPECIFICATIONS

RANGE	1/2" - 24"
SCH	5, 10, 20, 30, STD, 40, XS, 60, 80, 100, 120, XX, 140, 160, XXS, 160
TYPES	Carbon Steel
CONSTRUCTION	Seamless Welded
STANDARDS	ASTM A234, ANSI B 16.9

Stainless Steel

SPECIFICATIONS

RANGE	1/2" - 24"
SCH	5S, 10S, 40S, 80S
TYPES	Stainless Steel
	WP304/304L, WP316/316L
CONSTRUCTION	Seamless Welded
STANDARDS	A403



CARBON STEEL BUTTWELD PIPE FITTING ELBOW



CARBON STEEL BUTTWELD PIPE FITTING TEE



CARBON STEEL BUTTWELD PIPE FITTING REDUCERS



CARBON STEEL BUTTWELD PIPE FITTING NIPPLES



CARBON STEEL BUTTWELD PIPE FITTING COUPLING



CARBON STEEL BUTTWELD PIPE FITTING BENDS



CARBON STEEL BUTTWELD PIPE FITTING CROSS TEE



CARBON STEEL BUTTWELD PIPE FITTING END CAPS



CARBON STEEL BUTTWELD PIPE FITTING STUB BENDS / LAP JOINTS

Piping Packages

Cold Wrapping

Metal Sheets

Steel Section

Man Power

Mechanical Supplies

Cold Wrapping

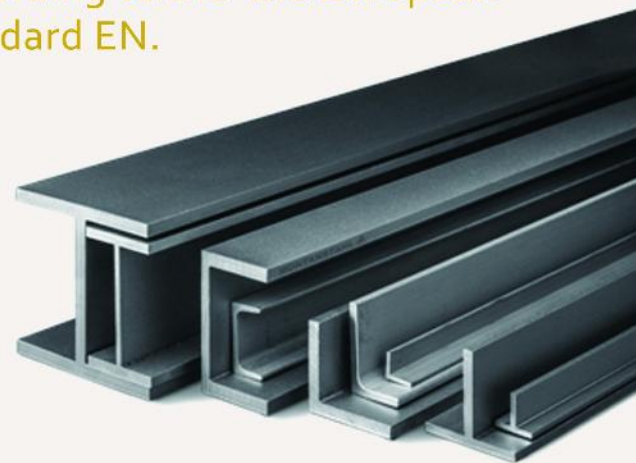
Pipeline Wrapping and Coating For Anti Corrosion of Field Joints / Fittings / Piping.



Steel Sections

Hot rolled sections and Beams as UPN, UPE, IPN, IPE, HEA, HEB, HSS, equal angles and ...etc.

According to the the European standard EN.

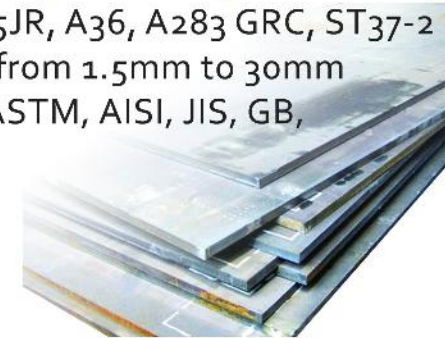


Metal Sheets

Flat (Carbon steel & Stainless steel & Galvanized steel)

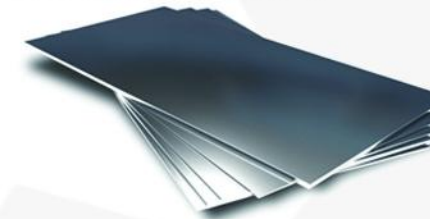
Carbon steel (Hot Rolled, Cold Rolled)

- Grade: S235JR, A36, A283 GRC, ST37-2
- Thickness: from 1.5mm to 30mm
- Standard: ASTM, AISI, JIS, GB, DIN, EN.



Stainless steel (Hot Rolled, Cold Rolled)

- Grade: 304, 304L, 316, 316L, 316Ti
- Thickness: from 1.5mm to 30mm



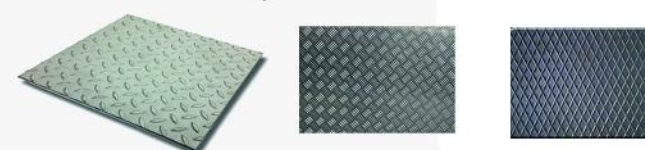
Galvanized steel

- GR.A, GR.B, SGCC, CGCC,
- SPCC, SPHC, DX51, etc.....
- Zinc Coating: from 30g to 275g/m².
- Regular Spangle, minimum Spangle, Large Spangle, Zero Spangle.



Checkered Plate

- Material: Mild steel/Galvanized steel/Stainless steel
- Thickness: 2 ~ 6 mm, depends on material and pattern.



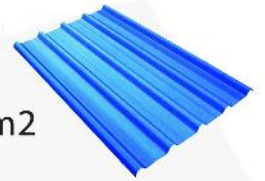
Corrugated sheets

Galvanized



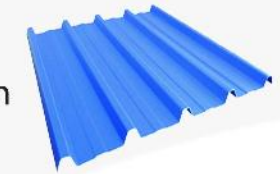
Pre-painted

- Thickness range: 0.25 – 0.7 mm
- Galvanization range: 50 – 120 gm/m²



UPVC Sheets

- Surface Treatment: Color Coated
- Color: Blue, White
- Thickness Range: 0.20 - 0.40 mm
- Shape: Rectangular

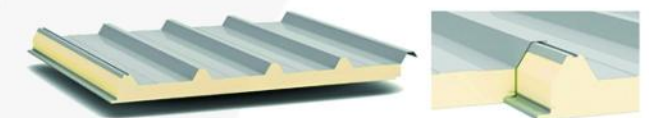


Sandwich Panel

Color	White RAL 9016 – Blue RAL 5012 – Light ivory RAL 1015)
Width (mm)	1000
Max length (mt)	14 (depending on transportation conditions)
Steel Sheets Thickness (mm)	0.3 - 0.4 - 0.5 - 0.7
Zinc coating (gm/m ²)	G 180 – 60
Foam properties	PUR - PIR
Density (kg/m ³)	40 ± 3

Roof sandwich panel

Thickness(mm)	30/65 – 40/75 – 50/85 – 80/115 – 100/135
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Wall sandwich panel

Thickness(mm)	30 – 40 – 50 – 80 – 100
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Piping Packages

Cold Wrapping

Metal Sheets

Steel Section

Man Power



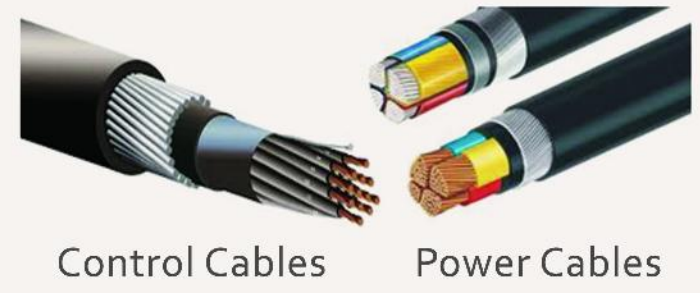
Electrical Supplies

- Control & Power Cables
- IP & EX Junction box
- IP & EX Lighting fixtures
- Panels
- Earthing systems
- Electrical Metallic Tube
- Accessories

Junction Boxes



Electrical Cables



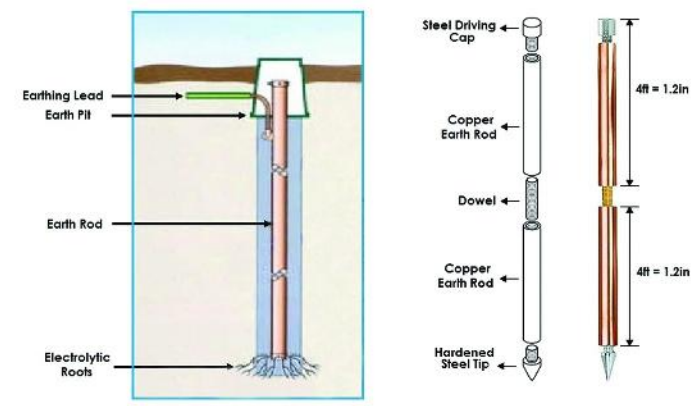
Panels



Fixtures



Earthing Systems



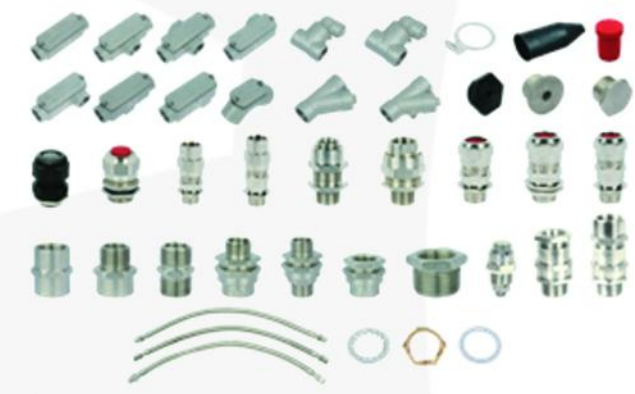
Electrical Metallic Tubing (EMT)



Accessories Circuit breakers



Cable Glands and Bushings



Accessories



EMT Accessories



Earthing Accessories



Distribution Boxes And Fittings



Construction Works

Mechanical Works

Piping and Pipeline

Storage Tanks

Steel structure

Fire Fighting

Air Conditioning

Electrical Works

- Constructing of mechanical and electrical projects with the highest possible quality and lowest cost due to the extensive experience of our engineers and workers in the electromechanical fields in line with national and international standards and relevant product requirements
- Right from the stage of design, supply and installation, up to testing and commissioning of complete systems.
- A team of highly qualified and experienced engineers and skilled technicians has ensured successful delivery of our projects in a highly competitive market. With the growing necessity to deliver high quality yet cost effective solutions.
- Our company has a professional technical team with competent engineers to work according to the international standards and codes providing all the required calculations and design drawings.
- Our company has all the required capabilities, the experienced, Qualified and trained crews to execute all the mechanical and electrical works supply and installation of large projects maintaining an accurate construction planning, a strong site organization and top safety system.
- Our company has special professional testing and commissioning to provide and execute all the testing and handover activities to the client in organized and professional procedure.

Piping and pipeline works

- Supply, fabrication, welding and installation of piping systems and pipelines in accordance with technical drawings and specifications based on international codes and standards
- welding process with different types (SMAW, GTAW, FCAW, GMAW)
- Tie-in and crossing.
- Sandblasting and painting using a high painting material from international suppliers (Jotun, Hempel, Sigma, Sipes, etc...).
- Coating.
- Cathodic protection
- Flashing, Purging, chemical cleaning, Hydrostatic test.
- Erection of all piping system accessories.



Design Codes & Standard

- In Oil & Gas Industries, a pipeline is designed in accordance with ASME B31.4 that is code for Liquid Transportation Systems for Hydrocarbons, Liquid Petroleum Gas, Anhydrous Ammonia, and Alcohol and ASME B31.8 that is code for Gas Transmission and Distribution Piping Systems, and API 1104 standard for welding pipeline and facilities.
- Whereas Piping is designed in accordance with ASME B31.3 that is Process Piping code and for power plant piping ASME B31.1 that is code for Power Piping.

Storage tanks

- Construction of storage tanks with different sizes, material and uses (petrol stations and industrial applications) according to international standard API-650, starting from design to test and commissioning.



- Complete maintenance works required for storage tanks such as replacing of (shell, roof and bottom plates) according to international standard API-653 and the recommendations of inspection report.
- Replacing and maintenance tank attachments and accessories as (stairs and handrails, nozzles, manholes, valves, cooling system and foam system)
- Inspection works are included under the supervision of an API 653 certified inspector with the assistance of an ASNT Lvl.II certified inspector to apply non-destructive testing, assess the condition of the tank as a whole and submit the inspection report with recommendations.
- All civil works required to execute the construction of the tanks are included
- Sand blasting and Painting works are included using a high painting material from international suppliers (Jotun, Hempel, Sigma, Sipes, etc...)



Construction Works

Steel structure works



Supply, Fabrication and installation for steel structure systems (Hangers, Platforms, residential and commercial buildings, warehouses, aircraft hangers, hospital and school buildings, metro stations, stadiums, bridges, etc. Construction of these structures is done with the help of structural steel design components such as channels, beams, angles, and plates. All works are including design and shop drawings.

Fire Fighting works

We completely install firefighting systems which can suit all kinds of buildings (factories, hospital, Camps and all the oil field applications) according to the international code NFPA (National Fire Protection Association).



We provide complete solutions for Fire Fighting & Security Systems, encompassing Supply, Installation, Testing, Commissioning, Maintenance and Servicing of:

- Fire Extinguishers - Portable & Trolley type Hose Reels & Cabinets.
- Automatic Fire Detection & Alarm System + Automatic Fire Protection Systems, such as: Fire Hydrant Systems - Sprinkler Systems - Foam Systems - CO2 Systems - FM 200 Systems - Novec 123 - Security & Control Systems.



Air conditioning works

- Supply and installation for chilled water system (piping, chilled water pump & chillers) include design, shop drawings, testing and commissioning.



- Supply and installation for duct system (duct, dumpers & accessories) include design, shop drawings, testing and commissioning.
- Supply and installation for all AC machine (air handling units, fan coil units & split units) include design, shop drawings, testing and commissioning.

Mechanical Works

Piping and Pipeline

Storage Tanks

Steel structure

Fire Fighting

Air Conditioning

Electrical Works

Electrical Works

Supply and installation for all power and lighting systems (wiring, lighting fixtures & sockets and switches installation).

- Supply and installation for the following:

1. power and lighting systems
2. Distribution panels
3. Buildings Indoor electricity
4. Low current systems (fire alarm, CCTV, Access control & public address system)
5. Troubleshooting, maintenance and commissioning & startup.
6. Earthing system.