

Built on agility. Strengthened by diversification.
Powered to scale.

18 YEARS OF
AGILITY



R E L I A B L E P R E C I S I O N



**RELIABLE
PRECISION**

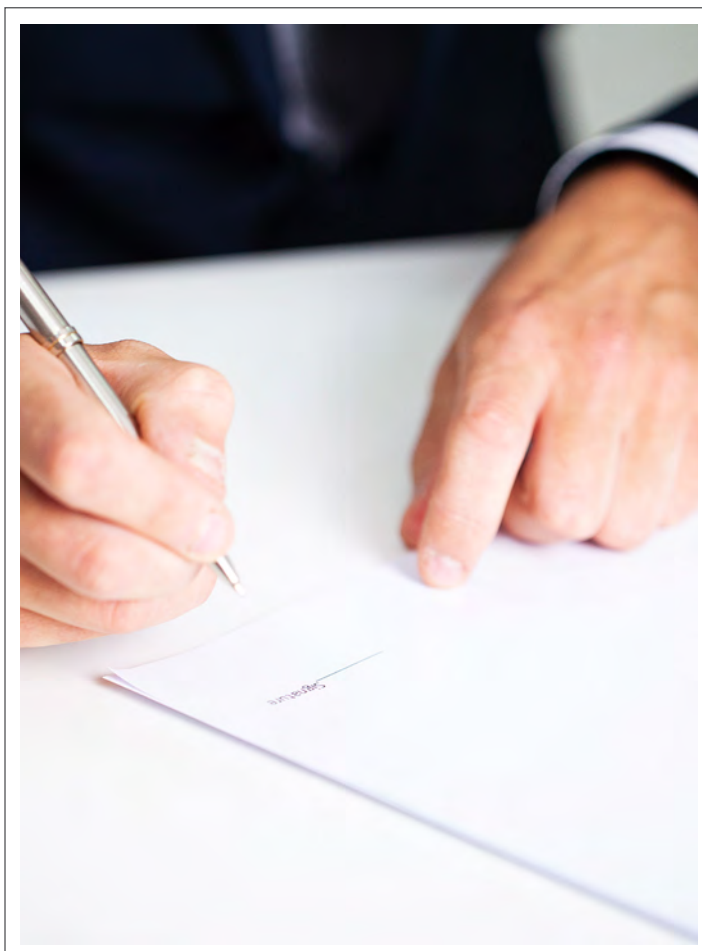
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CEO STATEMENT



At SESCO Steel Fabrication, we are not here to follow industry standards—we are here to redefine them. Built on a foundation of deep expertise and advanced capabilities, we deliver precision-driven steel solutions that meet the highest demands of modern infrastructure and industrial projects. In a rapidly evolving market, we embrace complexity, leverage innovation, and execute with uncompromising quality and efficiency. Our vision is clear: to become a leading force in steel fabrication across the region, setting new benchmarks in performance, reliability, and engineering excellence.

At **Sesco Steel Fabrication**, our strength is no longer defined only by steel - but by transformation, vision, and disciplined execution.

What began as Gazala Steel Fabrication has evolved. Today, we proudly enter a new era as **Sesco Steel Fabrication**, operating under Sesco Group, with expanded capabilities, advanced automation, and a future-focused strategy.

For nearly two decades, our team has contributed to landmark industrial and infrastructure projects across Egypt and the region. That legacy remains intact. What changes now is our scale, our technology, and our ambition. Today, Sesco Group operates three advanced manufacturing facilities across the Middle East, with a combined annual production capacity reaching **200,000 tons per year** across all operations, including:

- 🔩 **Sesco Steel Fabrication** – 10th of Ramadan City, Egypt
- 🔩 **Gazala Steel Fabrication** – New Damietta, Egypt
- 🔩 **Sesco Steel Solutions** – Dammam, Kingdom of Saudi Arabia

With the launch of our fully automated steel fabrication facility in 10th of Ramadan City in 2026, we are redefining industrial fabrication standards in Egypt and the region. This facility positions Sesco Steel as one of the most technologically advanced steel fabrication plants in the market, enabling higher precision, improved efficiency, and scalable industrial output to serve both local and international markets.

We are not simply continuing operations - we are elevating them.

Our commitment remains the same:

- 🔩 Engineering integrity
- 🔩 Operational discipline
- 🔩 Quality without compromise
- 🔩 Long-term partnership

As we transition from Gazala Steel to Sesco Steel Fabrication, we reinforce our promise to deliver scalable, precision-driven solutions that support global development and industrial growth.

To our clients, partners, and team members — this evolution is powered by your trust. Together, we move forward stronger, faster, and more capable than ever.

MOHAMED AFIFI
CHIEF EXECUTIVE OFFICER

COMPANY OVERVIEW

Sesco Steel Fabrication is the evolution of Gazala Steel Fabrication - now operating as a strategic industrial arm of **Sesco Group**.

Originally established in **2007**, the company built a strong reputation in steel fabrication across construction, infrastructure, oil & gas, cement, marine, and heavy industrial sectors. Today, under the **Sesco Steel** identity, the company enters a new phase of industrial leadership and regional expansion.

Sesco Group now operates three advanced manufacturing facilities across Egypt and the Kingdom of Saudi Arabia, with a combined annual production capacity reaching **200,000 tons per year**, distributed across:

- 🔧 **Sesco Steel Fabrication** – 10th of Ramadan City, Egypt
- 🔧 **Gazala Steel Fabrication** – New Damietta, Egypt
- 🔧 **Sesco Steel Solutions** – Dammam, Kingdom of Saudi Arabia

The upcoming fully automated facility in 10th of Ramadan City represents a milestone in Egyptian steel fabrication - integrating advanced CNC systems, automated production lines, robotics, ERP-driven production management, and digitally monitored quality control systems.

Sesco Steel Fabrication offers comprehensive steel solutions including:

- Structural Steel
- Plate Work
- Marine Structures
- Material Handling Systems
- Towers
- Semi-Trailers

With scalable production capacity and advanced industrial infrastructure, **Sesco Steel** is positioned to serve mega industrial and infrastructure projects with enhanced efficiency, precision, and reliability. From concept to commissioning, we ensure optimal technical performance, operational reliability, and long-term durability.



FROM CONCEPT TO REALITY WE HELP ENSURE OPTIMAL
TECHNICAL PERFORMANCE

OUR VISION

To become Egypt's most advanced and trusted steel fabrication partner by leading industrial automation, engineering excellence, and scalable manufacturing solutions across regional and global markets.

We aim to set a new benchmark in steel fabrication through technology-driven production, operational efficiency, and sustainable industrial growth.



OUR MISSION

At **Sesco Steel Fabrication**, our mission is to deliver optimized, precision-engineered steel solutions that exceed client expectations through:

- 🔧 Advanced automation and smart manufacturing technologies
- 🔧 Continuous operational and engineering improvement
- 🔧 Strict adherence to international quality and safety standards
- 🔧 Continuous investment in people, technology, and industrial systems

We are committed to delivering safe, cost-effective, high-performance solutions while maintaining environmental responsibility and long-term operational sustainability.

OUR VALUES

As we transition into Sesco Steel Fabrication, our core values remain the foundation of our culture:



Honesty

We operate with transparency and integrity in every engagement.



Commitment

From engineering to installation, we remain accountable to performance, deadlines, and quality.



Fairness

We balance stakeholder interests with ethical decision-making.



Respect

We empower our people with clarity, responsibility, and mutual respect.



Credibility

Our relationships are built on reliability and measurable delivery.

Sesco Steel Fabrication is a value-driven organization where operational excellence and ethical business practices move forward together.

HSE POLICY

(HEALTH, SAFETY AND ENVIRONMENT)

At **Sesco Steel Fabrication**, safety and environmental responsibility are integral to our operational strategy.

Our HSE framework complies with international and local regulations and is embedded across all project phases - from engineering to site execution.

With our new automated facility, we are reducing manual risk exposure while enhancing workplace safety standards.

We are committed to:

- ⚙ Minimizing occupational risks
- ⚙ Reducing environmental impact
- ⚙ Continuous monitoring and improvement
- ⚙ Employee engagement in safety practices

Our objective is to lead the industry not only in fabrication scale - but in safety performance.



ENSURING A SECURE AND SUSTAINABLE
WORK ENVIRONMENT



SCOPE OF WORK

Sesco Steel Fabrication delivers comprehensive, end-to-end steel solutions covering engineering, detailed design, fabrication, surface treatment, logistics, and on-site installation. Building on the legacy of Gazala Steel and advancing under Sesco Group, our scope integrates automation, precision manufacturing, and disciplined project management to serve complex industrial and infrastructure projects.



RELIABLE PRECISION

DESIGN & DETAILING

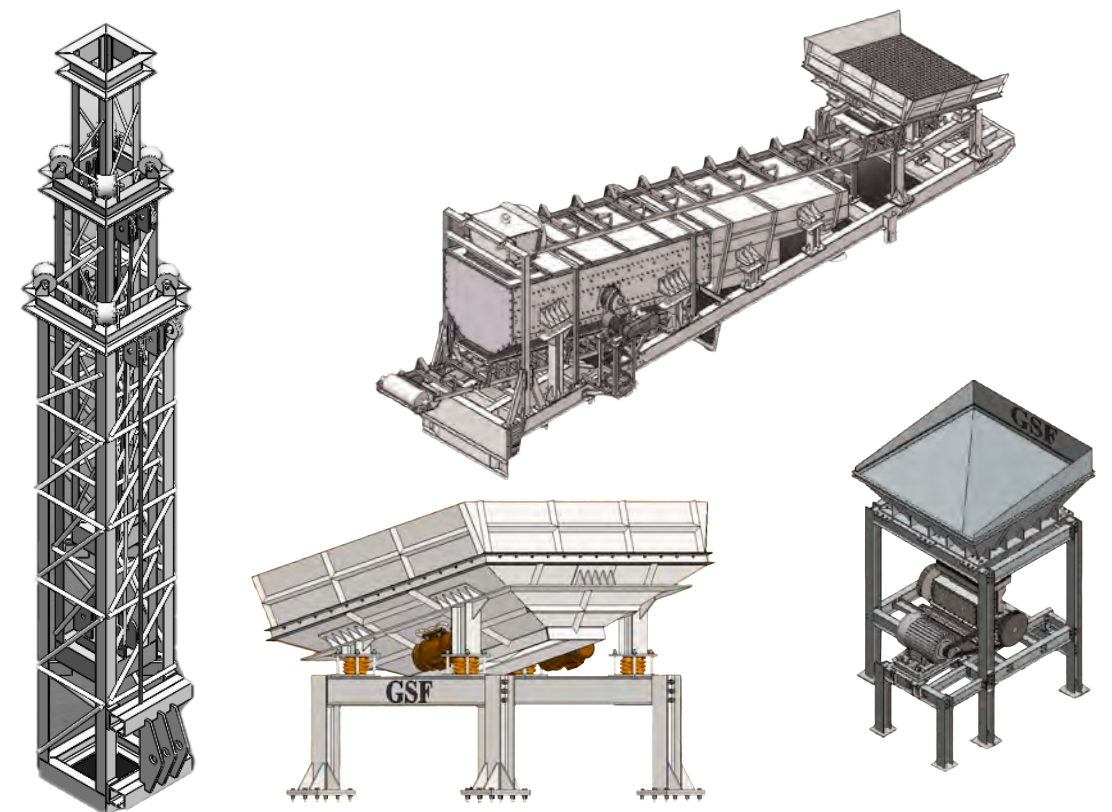
Your Vision Becomes Our Mission

Engineering excellence is at the core of SESCO Steel Fabrication.

Our multidisciplinary engineering team provides:

- ✦ Structural engineering
- ✦ Mechanical engineering
- ✦ Electrical & control engineering
- ✦ Detailed fabrication drawings
- ✦ BIM-compatible modeling

Through advanced design software and digital workflow integration, we bridge conceptual engineering and automated production with precision and efficiency.



PROJECT MANAGEMENT

Sesco Steel Fabrication delivers structured, performance-driven project management services across diverse industries.

Our experienced project teams ensure:

- ⚙ Technical accuracy
- ⚙ Logistical coordination
- ⚙ Resource optimization
- ⚙ Risk mitigation
- ⚙ Quality compliance

With expanded production capability and automated workflow control, we deliver projects of greater complexity and scale with higher speed and reliability.



RELIABLE PRECISION

SUPPLY CHAIN

At **Sesco Steel Fabrication**, our supply chain is structured to support high-volume, automated production with precision and reliability.

Operating under Sesco Investment Group, we leverage integrated procurement, centralized planning, and digital inventory management systems to ensure uninterrupted workflow.

Our integrated supply chain strategy ensures seamless coordination between procurement, production, warehousing, and logistics. Under Sesco Steel Fabrication, we are strengthening global sourcing partnerships and enhancing procurement digitization to support our expanded industrial capacity.

Our supply chain is structured around:

- ⚙ Planning
- ⚙ Execution
- ⚙ Monitoring & Control

Our objective is to reduce waste, optimize cost, and guarantee timeline efficiency across every project lifecycle.



RELIABLE PRECISION

FABRICATION

With the launch of our 10th of Ramadan fully automated facility, Sesco Steel Fabrication introduces a new industrial benchmark in Egypt.

Our fabrication capabilities now include:

- ⚙ CNC Plasma Cutting (12m)
- ⚙ CNC Laser Cutting (30KW – 12m)
- ⚙ CNC Rolling & Press Brake Systems
- ⚙ Automated Welding Lines
- ⚙ Overhead Crane Systems
- ⚙ Digital Marking & Tracking Systems

Our facility is designed for large-scale production, high-precision output, and reduced material waste.

This transformation represents more than capacity growth — it represents technological leadership.



OUR TEAM, OUR STRENGTH



OUR
MACHINERY

AUTOMATIC SHOTBLASTING MACHINE

Voortman VSB 2500 6/15
Durable, high quality and automated shot blasting machines

Feature	Specs
Manufacture / Model	Netherlands
Entrance Dimension	2600 x 600 mm
Plate width	2500 mm
Profile	1000 x 300 mm
Turbines	6
Turbine Diameter	380 mm
Power per turbine	15 kw
Blasting speed	1.8- 1.3 m/min



BEAM DRILLING MACHINE

Voortman V633M
World's fastest simultaneously drilling, milling and marking machine

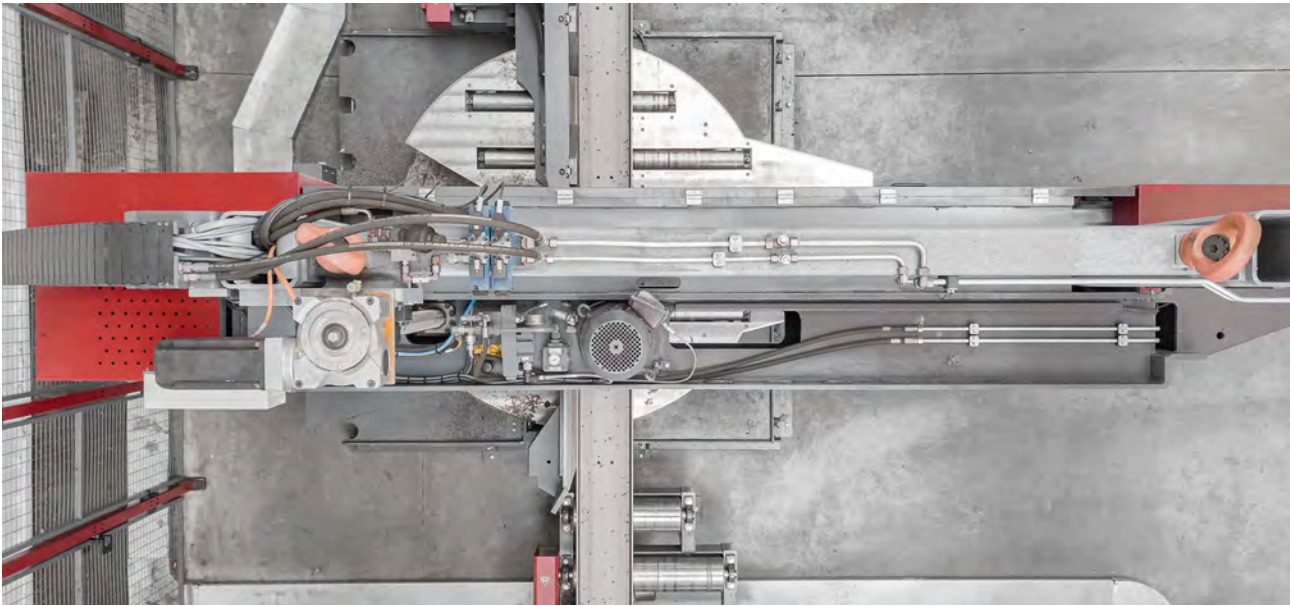
Feature	Specs
Manufacture / Model	Netherlands
Process	Drilling , Milling, Counter sinking, Thread tapping, numbering, marking
Spindles	3
Stroke in X300mm (16/13 11")	1000 x 300 mm
Tool Changer	3 x -14stations
Milling Capabilities	Simultaneously inner and outer contours & weld preps /ratholes
Material removal rate	210 cm3/min
Rotational Speed	5000 - 0 rpm
Processing weight	15 tons
Processing width	1140 mm
Profile Shapes	H , I , U , T , Square Tube , Flat



SAWING MACHINE

Voortman VB1250
High performance miter cut bandsaws up to 1250 mm / 49"

Feature	Specs
Manufacture / Model	Netherlands
Operating range 00	600 x 1250 mm
Operating range 150	600 x 1200 mm
Operating range 300	600 x 1000 mm
Operating range 450	600 x 850 mm
Operating range 600	600 x 500 mm
Feed Approach speed	6 m/min
Saw band driven	11 kw
Saw band speed	120- 40 m/min
Saw band size	1.6 - 67 mm
Saw band inclination	0 5
Machine weight	10,000 kg



COPING ROBOT MACHINE



Voortman V807
All-in-one robotic cutting on a compact footprint

Feature	Specs
Manufacture / Model	Netherlands
General	
Operating range, width	1.140 - 50 mm
Operating range, height	460 - 10 mm
Max. positioning weight	15.000 kg
Machine weight	+/- 8.500 kg
Machine	
Max. positioning speed feeder rolls	60 m/min
Bevel angle	50 °
Min. cutting thickness	3 mm
Max. cutting thickness plasma	80 mm
Max. cutting thickness oxy	110 mm
Max. pierce capacity plasma	45 mm
Max. pierce capacity plasma, with Argon-assist (CorePlus)	50 mm
Min. automatic infeed length	1.900 mm
Full profile measurement	Included
Automatic gas console	Included
Fume extraction	Included
Underside processing	Included
Marking	Included
Max. robot air speed	11,6 m/sec
Robot type	Stäubli
Axis	4) 1 + 6 sides)
Robot accuracy	
Repeatability	± 0,04 mm
Absolute accuracy	± 0,25 mm



ANGEL DRILLING & BAND SAWING MACHINE

Voortman V623
MOST AUTONOMOUS COMBINED DRILLING, MILLING &
SAWING FOR MISCELLANEOUS STEEL

Feature	Specs
Manufacture / Model	Netherlands
Drilling Units	3 Units
Tool change	1x42 Tool
Measuring system	Up to 12 M
Marking Unit	Bottom side
SW	VCAM
Beam Milling	Inner / outer Contours
Outfeed gripper	hydraulic material clamp
Removal System	Automatic
outfeed table	automatic removal

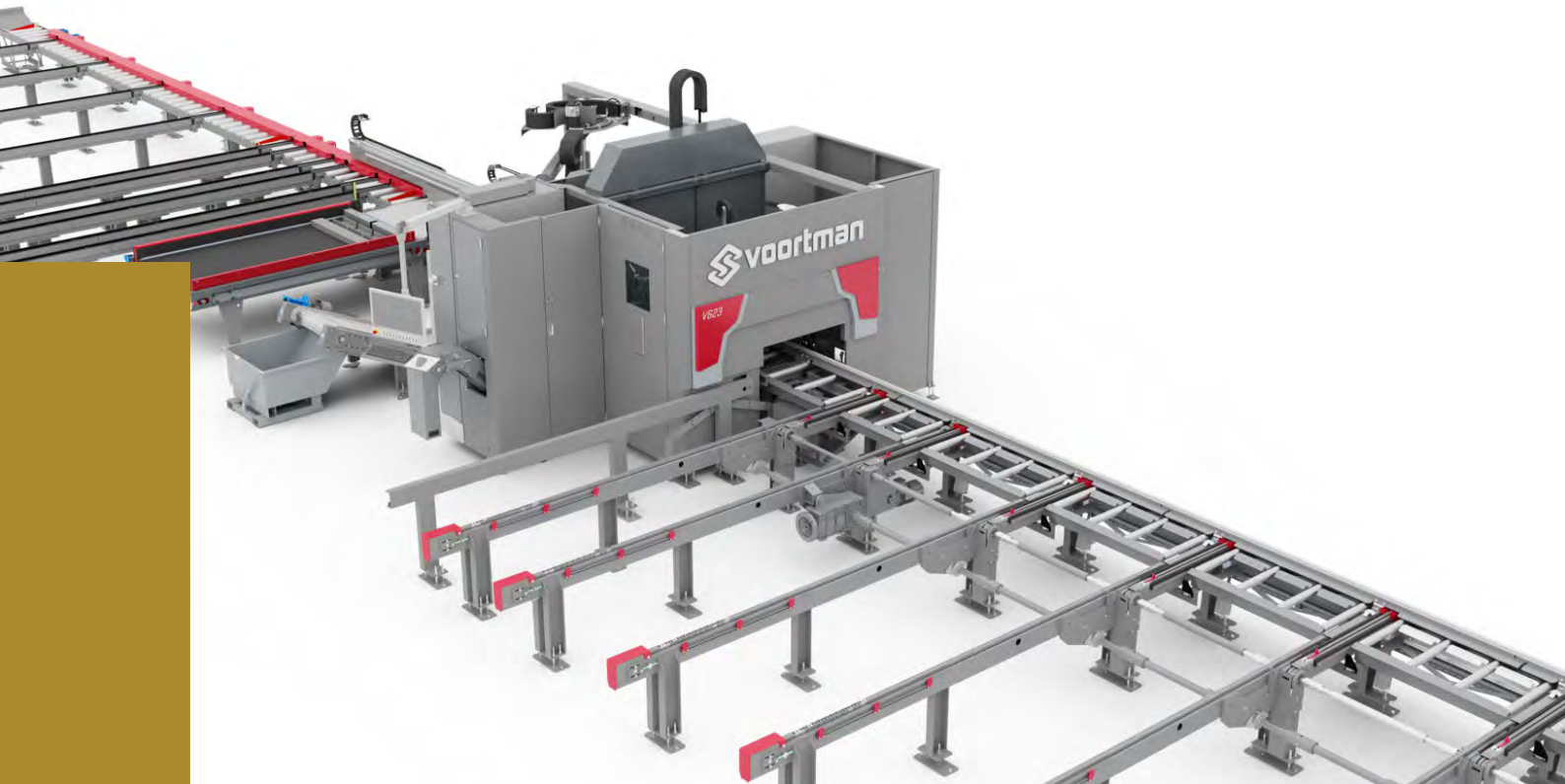
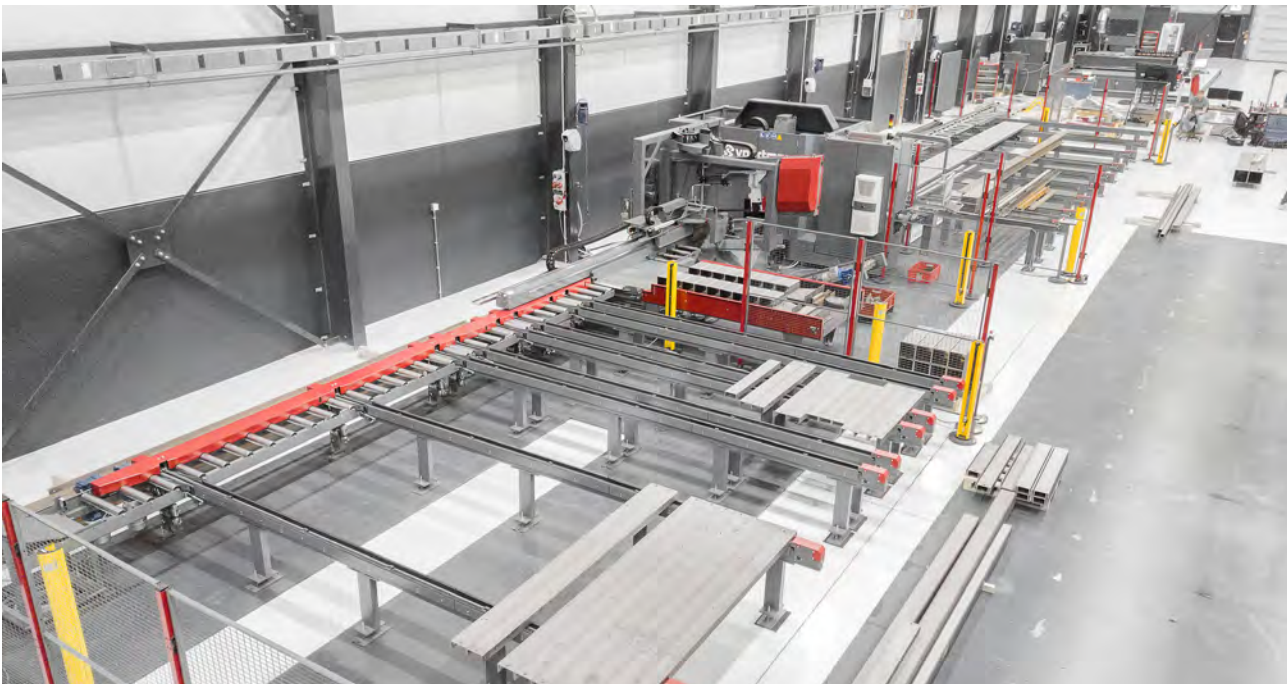


PLATE PROCESSING MACHINE

Voortman V310
The ultimate and most complete plate processing machine
cutting and milling capabilities

Feature	Specs
Manufacture / Model	Netherlands
Working width1	3000 mm
Working length1	24000 mm
Main tool changer	8 tools
Additional tool changer	+ 20 tools
Cutting speed	7.000 - 0 mm/min
Rapid traverse speed	20.000 mm/min
Drill holder	SK 40
Drilling speed	3.500 - 0 rpm
Drilling maximum torque	405 Nm
Drilling diameter	50 - 5 mm
Thread tapping	M6 - M30
Maximum cutting thickness(if oxy-fuel is attached)	200 - 3 mm
Maximum drilling thickness2	200 mm
Maximum number of plasma (bevel) torches	1
Maximum number of oxy-fuel units	1



TWIN BEAM WELDING LINE



Feature	Specs
Manufacture	CORIMPEX SRL ITALY
FLANGE THICKNESS	
25 - 5 mm	24000 mm
	8 tools
WEB WIDTH	
1250 - 200 mm	7.000 - 0 mm/min
	20.000 mm/min
MAX BEAM WEIGHT	
400 kg/m	3.500 - 0 rpm
	405 Nm
WEB THICKNESS	
20 - 4.3 mm	M6 - M30
	200 - 3 mm
BEAM LENGHT	14.000 / 4.000 mm
CONVEYOR'S TRAVEL SPEED	8 m/min
FLANGE HEIGHT	500 - 100 mm
TYPE OF WELDING	Submerged-arc: Twin-arc
BEAMS TYPE WELDED	H beams, Tapered Beam



CUT-TO-LENGTH LINE

2000 x 2÷20 mm



Feature	Specs
Manufacture	LDM ITALY
Material	Hot cold rolled carbon steel
Thickness	2 - 20 mm
Tensile strength	max. 630 N/mm2
Yield strength	max. 355 N/mm
Coils Weight	30 tonn.max.
Coils Width	min. 1000 mm max. 2000 mm
Thickness	2 - 20 mm
Int. diam.	min. 508-610-762-800 mm
Ext. diam	min. 1000 mm max. 2250mm
Sheet	Length min. 1500 mm max. 16100 mm Height max. 400 mm Weigh max. 10 ton
Performance	Introduction speed 10 mt/min. Work speed 0-30 mt/min. in function of thickness/length

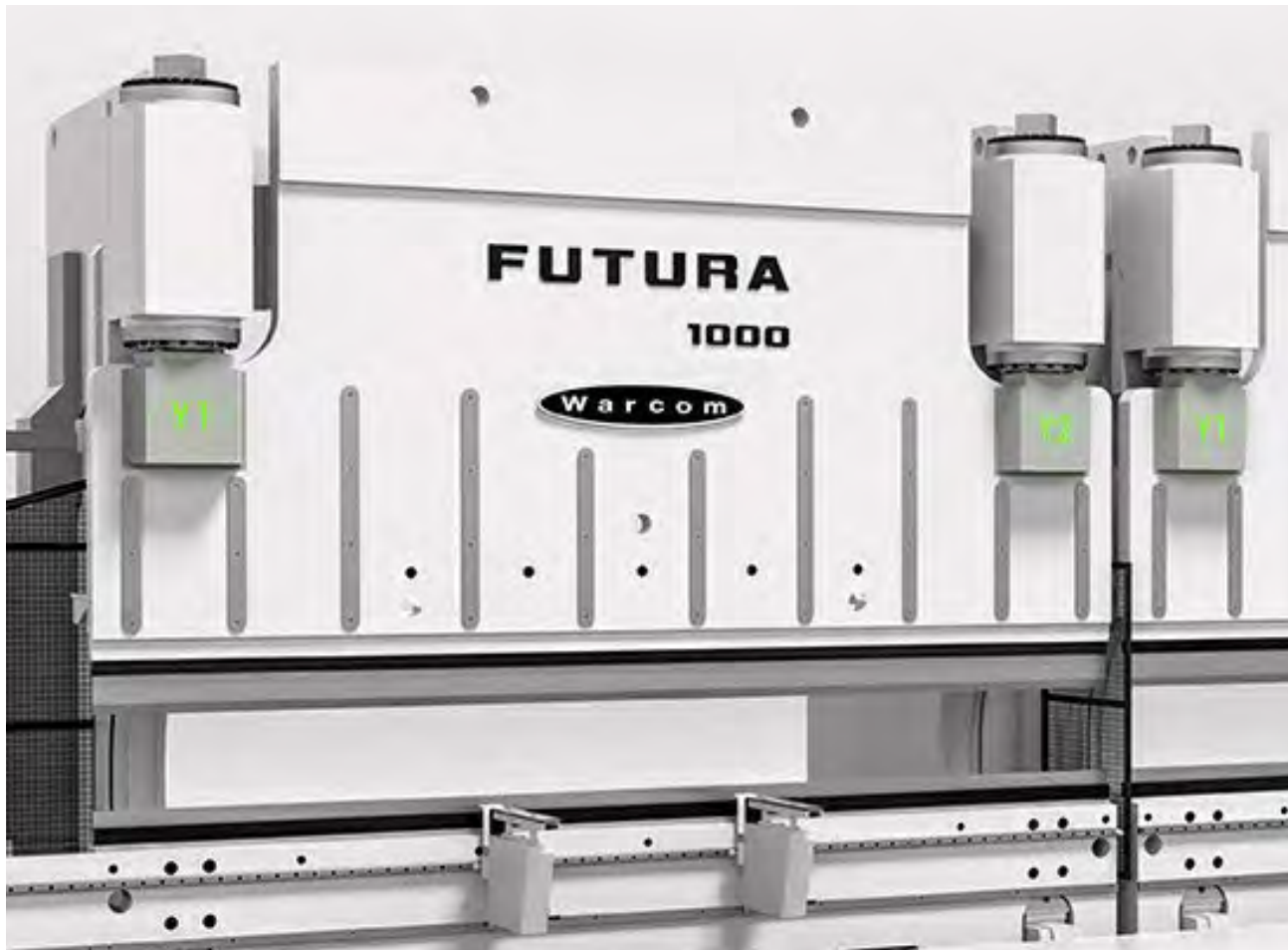
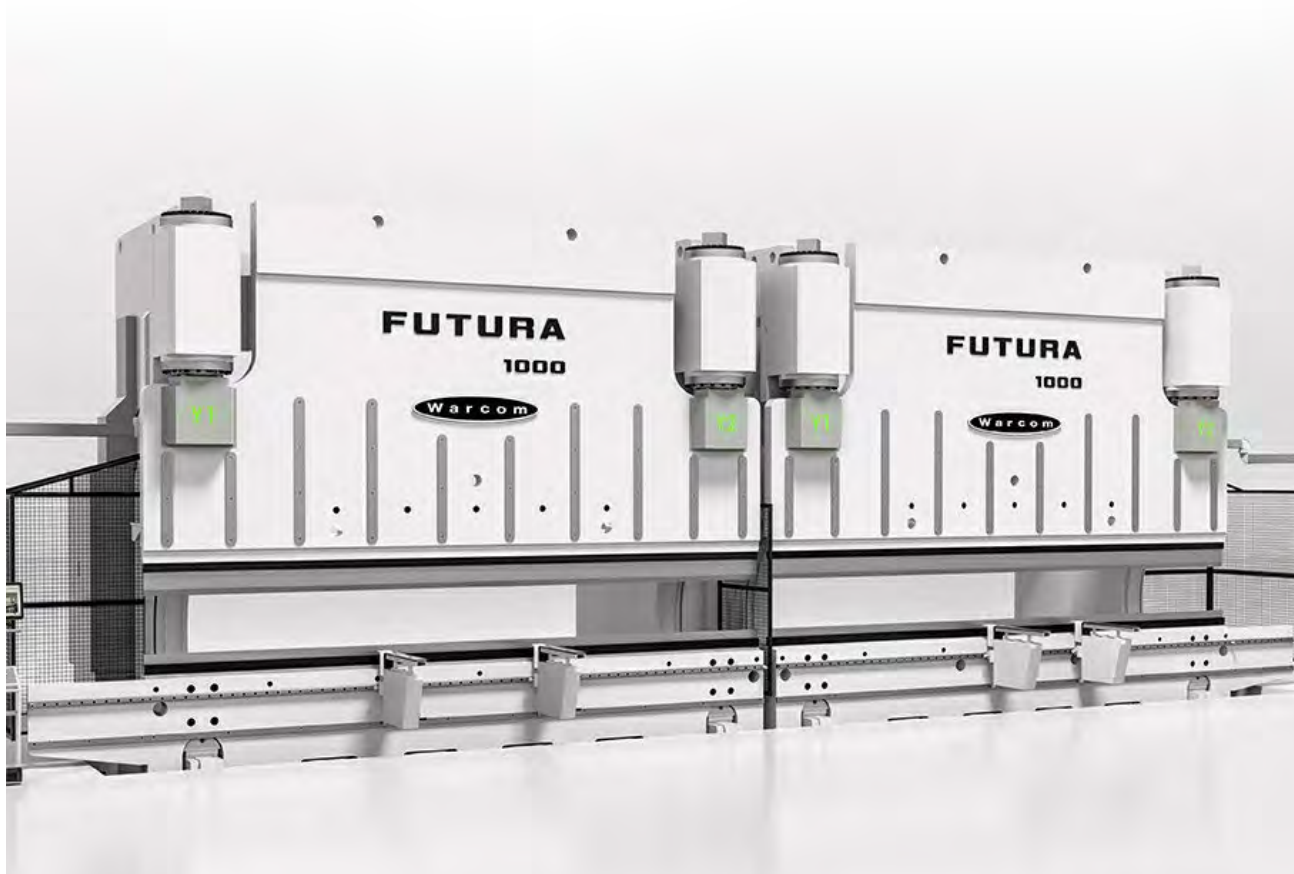


HYDRAULIC PRESS BRAKES

Futura 400-40 in Tandem configuration
4 Axis Delem CNC



Feature	Specs
Manufacture	Warcom - Italy
Nominal press force	400 Ton
Usable bending lenght	4200 mm
Distance between frames	3550 mm
Throat depth	500 mm
Daylight	500 mm
Cylinders stroke	300 mm
X axis stroke	800 mm
R axis stroke	200 mm
Y axis positioning tolerance	+/- 0.01 mm
X axis positioning tolerance	+/- 0.1 mm
Approach speed	100 m/s
Bending speed	8 m/s
Return speed	120 m/s
Main motor power	37.5 KW
Approx.weight	31000 KG



HYDRAULIC GUILLOTINE **SHEAR**

mod. Maxima 30-25



Feature	Specs
Manufacture	Warcom - Italy
Usable cutting length	3050 mm
Distance between side frames	3150 mm
Throat depth	500 mm
Cutting capacity R=42 Kg mm2 nom./maximum	25 mm
Nominal thickness	25 mm
Nominal angle (degrees)	2°
Rake angle adjustment	0° 300 - 30
Backgauge stroke	1000 mm
Stroke per minute	7 - 13 Nr.
Main motor power	75 kw
Power Supply	400/50/3 Volt/HZ/PHASES





RELIABLE PRECISION

QUALITY MANAGEMENT

Quality has always been the foundation of our operations. As part of the migration from Gazala Steel Fabrication to Sesco Steel Fabrication, all existing certifications, technical accreditations, and compliance frameworks currently remain legally registered under Gazala Steel Fabrication during the transition phase, ensuring full continuity of compliance and project eligibility.

Gazala Steel Fabrication holds the following Management System Certifications:

- ISO 9001:2015
- ISO 14001:2015
- ISO 45001:2018

In addition to these management system certifications, Gazala Steel Fabrication has obtained specialized product certifications for high-specification industrial manufacturing, including:

- ASME "U" Certification Mark for unfired pressure vessels
- ASME "PP" Certification Mark for power piping
- ASME "S" Certification Mark for boiler assembly
- CE Mark for Structural Steel up to Execution Class 4 (EXC4)

These certifications reflect proven capability in manufacturing pressure equipment, piping systems, boiler assemblies, and high-class structural steel in accordance with international codes and regulatory standards.

Furthermore, Gazala Steel Fabrication has been granted market access certification for Houston State, USA, enabling compliance with regulated international export markets.

As operations transition into Sesco Steel Fabrication under Sesco Group, these certifications and established quality systems form the compliance backbone of the new entity. This structured migration ensures uninterrupted qualification status, maintained regulatory approvals, and continued technical credibility across all ongoing and future projects.



COATING

Our coating division delivers advanced corrosion protection systems compliant with international standards.

Capabilities include:

- ✦ Industrial painting
- ✦ Marine-grade coatings
- ✦ Abrasive blasting
- ✦ Cathodic protection systems

Our processes extend structural durability and ensure long-term asset protection.



RELIABLE PRECISION



RELIABLE PRECISION

PACKAGING & SHIPPING

Leveraging the logistics expertise within SESCO Investment Group, we ensure secure, standards-compliant packaging and global shipping coordination.

All packaging follows **ASTM D3591** standards to guarantee product integrity during transit.



INSTALLATION

Sesco Steel Fabrication provides end-to-end installation services including:

- ✦ Structural steel erection
- ✦ Mechanical systems installation
- ✦ Piping systems
- ✦ Tanks and heavy equipment installation

We adhere to **AISC 303-16**, **AWS D1.1**, and Egyptian **Code 205**, ensuring global compliance and safe execution.



RELIABLE PRECISION



OUR
PRODUCTS

STRUCTURAL STEEL SOLUTIONS

Sesco Steel Fabrication delivers high-performance structural steel systems engineered for industrial, commercial, and infrastructure projects of national and regional scale.

For nearly two decades, Gazala Steel Fabrication executed complex structural packages across Egypt, contributing to landmark developments including high-rise towers, cement plants, industrial expansions, and strategic infrastructure works. These projects established a reputation for precision fabrication, schedule discipline, and structural integrity.

Today, as operations migrate under Sesco Group, structural capabilities are significantly enhanced through the integration of three production facilities:

- 🔩 **Sesco Steel Fabrication** – 10th of Ramadan City, Egypt
- 🔩 **Gazala Steel Fabrication** – New Damietta, Egypt
- 🔩 **Sesco Steel Solutions** – Dammam, Kingdom of Saudi Arabia

Together, these facilities provide a consolidated production capacity of approximately **200,000 metric tonnes annually**, enabling scalable delivery for mega industrial and infrastructure projects across Egypt and the GCC.

SCOPE INCLUDES:

- 🔩 Heavy structural steel
- 🔩 Industrial buildings
- 🔩 High-rise frameworks
- 🔩 Pipe racks & platforms
- 🔩 Trusses & space frames
- 🔩 Specialized steel structures

The transition to Sesco Steel introduces CNC automation, ERP-driven fabrication planning, and digital traceability — elevating structural fabrication to a new standard of precision and efficiency.



RELIABLE PRECISION

PRE-ENGINEERED BUILDINGS (PEB)

Sesco Steel Fabrication delivers complete pre-engineered building solutions tailored for industrial warehouses, logistics hubs, manufacturing plants, and commercial facilities.

Gazala Steel previously executed steel building frameworks that laid the groundwork for expanded PEB specialization.

Under Sesco Steel, this sector is strengthened by:

- ⚙️ Automated beam processing
- ⚙️ CNC drilling and cutting lines
- ⚙️ Digital modeling integration
- ⚙️ Scalable multi-facility production

The **200,000-ton** consolidated annual capacity allows **Sesco Steel** to handle simultaneous large-scale PEB projects across multiple regions while maintaining delivery consistency.



RELIABLE PRECISION

PLATE WORKS

Sesco Steel Fabrication delivers advanced plate fabrication solutions for heavy industrial, power, oil & gas, petrochemical, and bulk processing sectors.

This division builds upon the proven legacy of Gazala Steel Fabrication, which established certified expertise in pressure equipment, piping systems, storage tanks, and bulk containment structures across Egypt. Through complex industrial projects, Gazala Steel demonstrated regulatory compliance, welding integrity, and manufacturing precision in accordance with international standards.

SCOPE OF PLATE WORKS INCLUDES:

Pressure Equipment & Boiler Systems

- ✦ ASME Section VIII Div.1 Pressure Vessels
- ✦ Boiler Assemblies
- ✦ Skid-Mounted Process Units

(Certifications currently remain registered under Gazala Steel Fabrication during the structured migration phase, ensuring uninterrupted ASME stamping authority.)

Pressure & Process Piping

- ✦ ASME B31.1 Power Piping
- ✦ ASME B31.3 Process Piping
- ✦ Prefabricated Spool Systems
- ✦ Pipe Supports & Structural Assemblies

Storage Tanks & Containment Systems

- ✦ API & Custom Storage Tanks
- ✦ Fuel & Water Tanks
- ✦ Industrial Silos
- ✦ Bulk Material Hoppers
- ✦ Specialized Containment Structures



RELIABLE PRECISION

MARINE & SPECIALIZED STEEL STRUCTURES

Building on Gazala Steel's experience in marine and infrastructure steel works — including marine pontoons and heavy-duty structural systems — Sesco Steel Fabrication continues to serve demanding coastal and industrial environments.

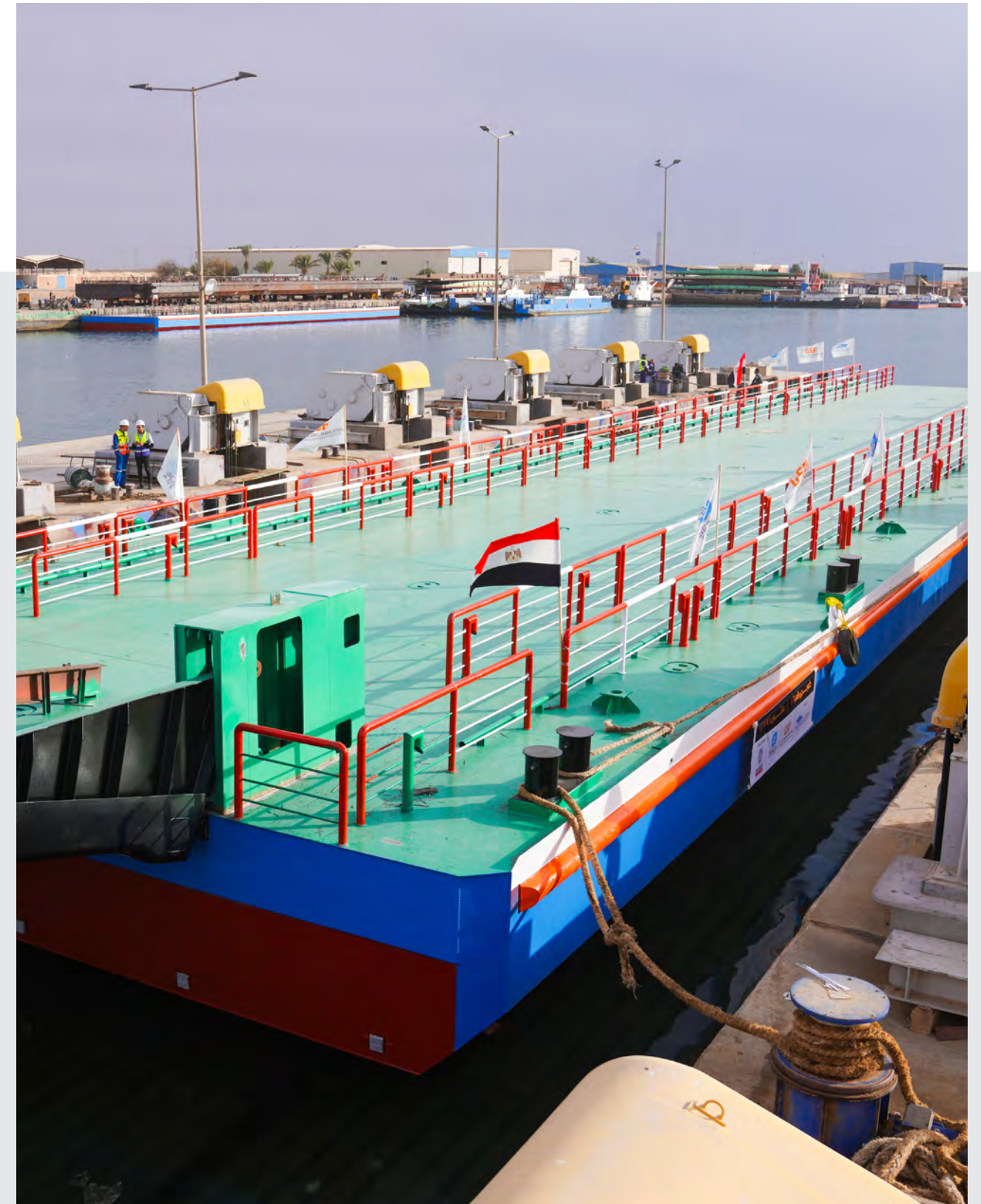
These projects required strict corrosion protection, structural stability, and dimensional accuracy under challenging environmental conditions.

SCOPE INCLUDES:

- ✦ Marine pontoons
- ✦ Offshore-support steel structures
- ✦ Heavy-duty platforms
- ✦ Corrosion-protected assemblies
- ✦ Specialized engineered steel units

Under Sesco Steel Fabrication, enhanced blasting facilities, marine-grade coating systems, and automated processing lines improve long-term durability and structural performance.

The addition of the Dammam facility further strengthens regional marine project support across the GCC.



RELIABLE PRECISION

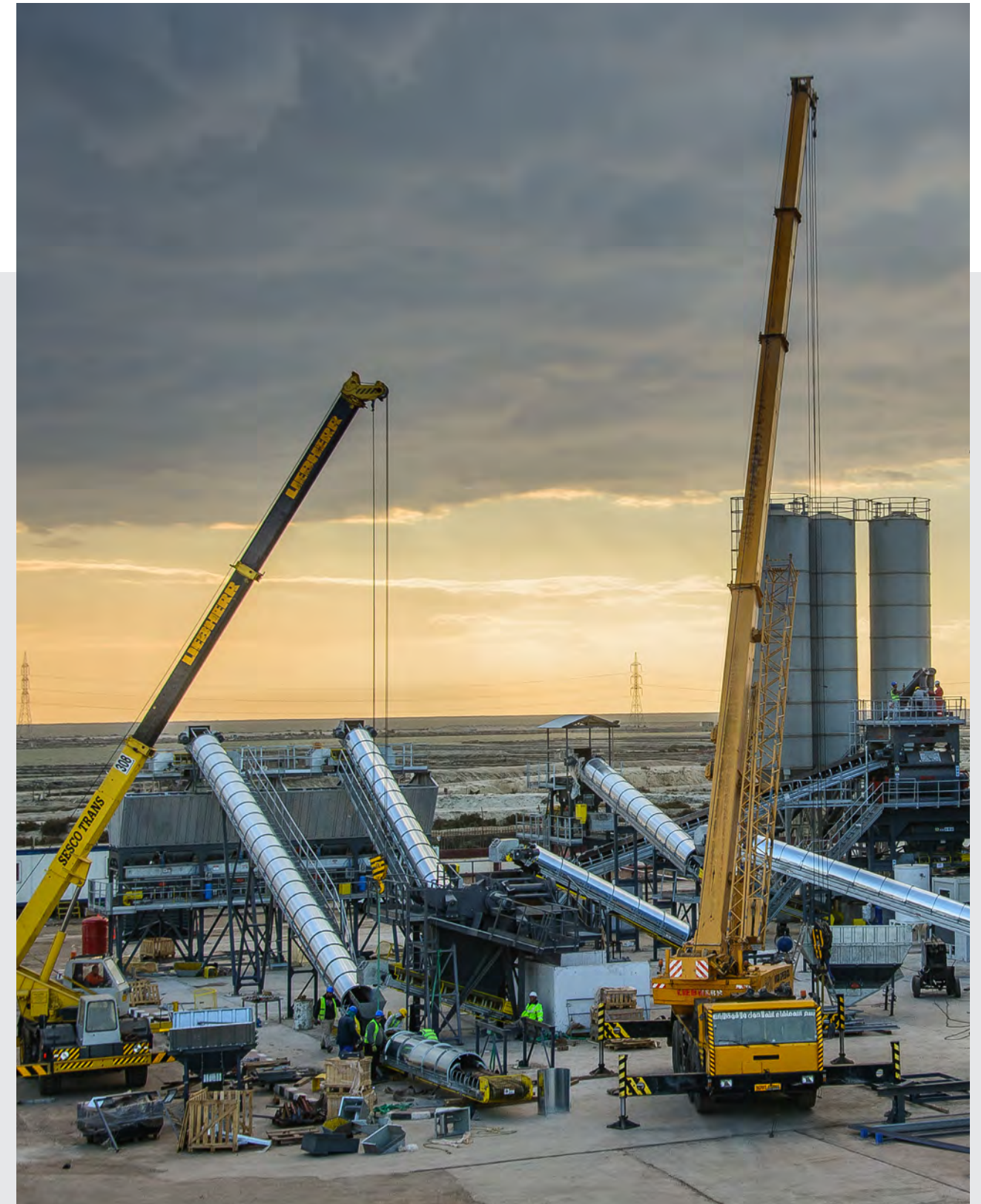
MATERIAL HANDLING **SYSTEMS**

Sesco Steel Fabrication designs and fabricates integrated material handling solutions for bulk processing industries.

Gazala Steel executed conveyors, bucket elevators, structural frames, and customized handling assemblies for cement and industrial manufacturing facilities across Egypt.

SCOPE INCLUDES:

- ✦ Belt conveyors
- ✦ Bucket elevators
- ✦ Screw conveyors
- ✦ Hoppers
- ✦ Structural support systems



RELIABLE PRECISION

TOWERS

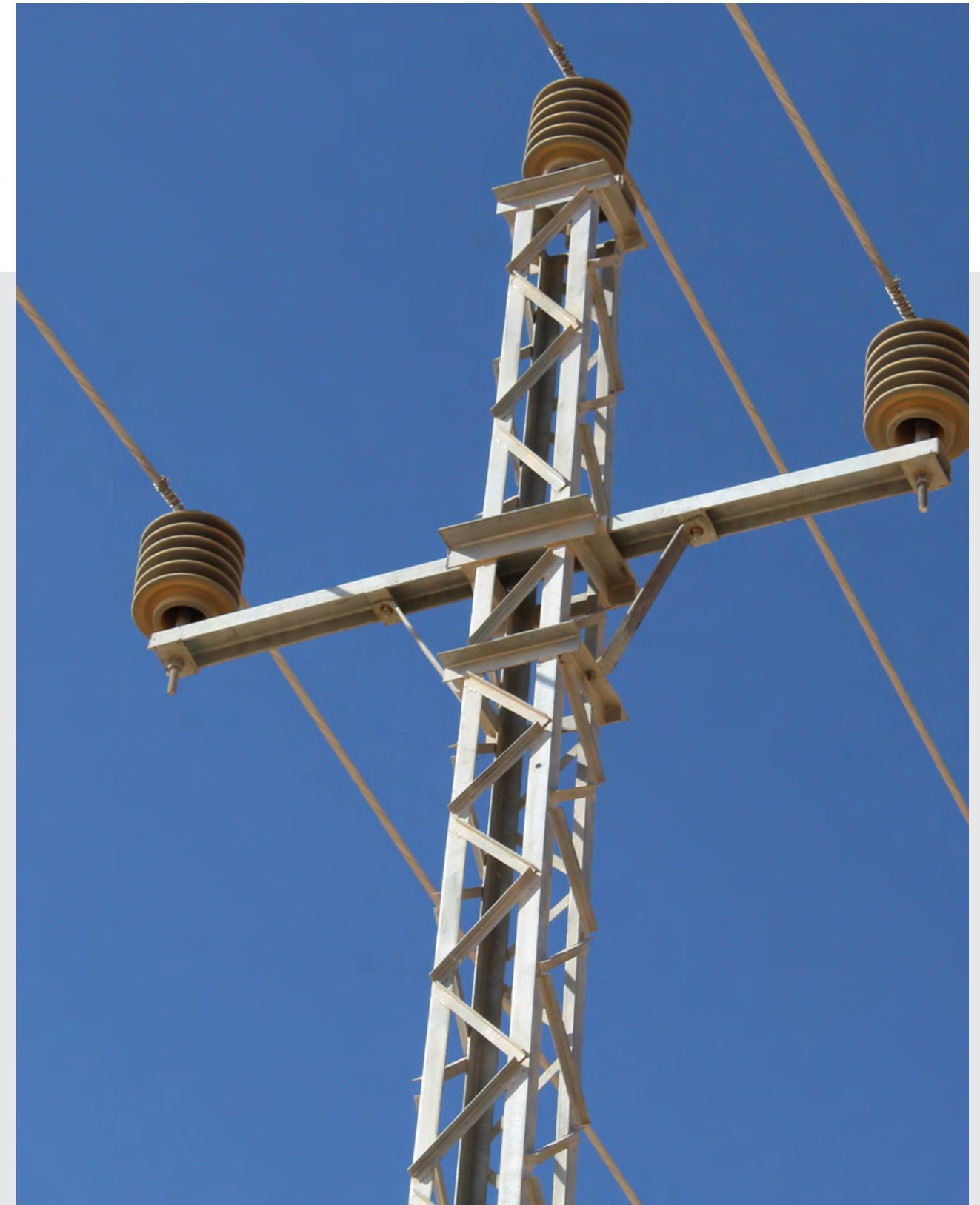
Sesco Steel Fabrication delivers engineered tower structures designed for energy transmission, telecommunications, and specialized industrial applications.

This division builds on Gazala Steel Fabrication's structural expertise in heavy-duty lattice systems, load-bearing steel frameworks, and high-precision fabrication for infrastructure projects across Egypt. These projects required structural accuracy, wind-load compliance, galvanization quality, and long-term durability in demanding environmental conditions.

SCOPE INCLUDES

- ✦ Medium Voltage Transmission Towers
- ✦ Self-Supporting Telecommunications Towers
- ✦ Heavy-Duty Cow Towers
- ✦ Monopoles

Design and fabrication align with international structural standards and local utility requirements, ensuring compliance with wind-load calculations, foundation integration, and long-term operational stability.



RELIABLE PRECISION

SEMI TRAILERS

Sesco Steel Fabrication manufactures heavy-duty semi-trailers engineered for industrial logistics, bulk transport, and specialized cargo movement.

Building upon Gazala Steel Fabrication's expertise in heavy structural steel and plate works, the semi-trailer division integrates structural durability, load optimization, and compliance with transportation standards to deliver reliable and long-life transport solutions.

Under SESCO Steel Fabrication, trailer manufacturing benefits from enhanced plate processing systems, automated welding consistency, and improved dimensional accuracy across the group's three production facilities.

With a combined **200,000-ton annual** steel processing capacity, SESCO Steel supports high-volume trailer production while maintaining strict quality control and material traceability.

SCOPE INCLUDES

- 🔩 Two-Box Trailers
- 🔩 Hardox Trailers
- 🔩 Container Trailers
- 🔩 Silo Trailers
- 🔩 Tank Trailers
- 🔩 Tippers
- 🔩 Terminal Trailers
- 🔩 Flatbed Trailers

Each trailer is engineered for structural integrity, load efficiency, and operational safety, serving logistics



RELIABLE PRECISION



PROJECT
CASE STUDIES

NEW ALAMEIN TOWERS



Client

CRC Dorra

Project Category

High-Rise Project

Scope of Work

- Structural steel fabrication
- Fire intumescent coating
- Supply, erection, and installation of steel structures

Project Overview

Gazala Steel Fabrication was entrusted with delivering high-quality structural steel works for the New Alamein Towers, one of Egypt's most iconic high-rise developments. The project required advanced engineering, strict fire-protection compliance, and flawless execution at extreme heights.

Engineering & Execution Challenge

High-Level Installation Starting from the 38th Floor

The project presented a complex construction challenge, as steel structure installation commenced at the 38th floor, demanding innovative lifting solutions, precise sequencing, and rigorous safety control.

GSF Engineering Innovation

Optimized Lifting Strategy Using Tower Crane

Instead of adopting conventional hydraulic jacking systems, GSF engineered an alternative solution by utilizing a 16-ton tower crane for steel erection works.

This strategic decision resulted in:

- USD 800,000 cost savings for the client
- One full year saved on the overall project schedule
- Reduced logistical complexity and operational risk
- Improved safety and execution control at high elevations



GSF Solution

- Fabricated steel components designed for high-rise structural performance
- Applied fire intumescent coating in compliance with international fire safety standards
- Developed a detailed erection sequence compatible with tower crane lifting
- Coordinated closely with CRC Dorra's site and planning teams
- Executed installation with strict quality assurance and safety procedures

Value Delivered

- Significant cost and schedule optimization for the client
- Successful execution of steel works at extreme heights
- Full compliance with fire protection and structural standards
- On-time delivery despite complex construction conditions

Project Highlights

- Steel installation starting from the 38th floor
- Innovative use of 16-ton tower crane for high-rise erection
- USD 800,000 cost saving achieved
- One-year schedule acceleration
- Integrated fabrication, coating, supply, and installation scope

Outcome

The New Alamein Towers project demonstrates GSF's engineering-led approach, where innovation, experience, and execution excellence translate into tangible value for clients. The project reinforces GSF's position as a trusted partner for complex high-rise steel structures requiring precision, creativity, and performance-driven solutions.

NEW DELTA PIPES



Client

National Company for Land Reclamation & Agriculture
الشركة الوطنية للمقاولات و استصلاح الأراضي

Project Category

Infrastructure

Project Volume

30,000 Tonnes of Steel Fabrication

Scope of Work

Pipes fabrication (DN 1M - 3M) - Thickness 8mm-14mm
Coating and industrial painting

Project Overview

Gazala Steel Fabrication was selected to deliver large-scale steel fabrication works for the New Delta Pipes project, a major industrial development requiring high production capacity, strict quality control, and sustained delivery performance. The project demanded continuous high-volume output while maintaining consistent quality standards across all fabricated components.

Engineering & Execution Challenge
Sustaining High Monthly Fabrication Output

To meet project timelines, GSF was required to achieve and maintain a fabrication rate of 5,000 tonnes per month, a benchmark that reflects both production strength and operational discipline.

GSF Solution

- Deployed high-capacity fabrication lines optimized for volume production
- Implemented structured production planning and shift optimization
- Applied controlled coating and painting processes aligned with industrial standards



- Maintained rigorous quality assurance and inspection protocols
- Ensured uninterrupted workflow through proactive coordination with project stakeholders

Value Delivered

- Achieved consistent 5,000 tonnes/month fabrication rate
- Delivered a total of 30,000 tonnes within project requirements
- Maintained quality and coating standards across large production volumes
- Demonstrated scalability and reliability in mega industrial projects

Project Highlights

- One of GSF's largest-volume fabrication projects
- Sustained high-output production over extended periods
- Integrated fabrication, coating, and painting scope
- Strong coordination with client and project teams

Outcome

The New Delta Pipes project stands as a testament to GSF's industrial-scale fabrication capability, reinforcing its position as a trusted partner for mega manufacturing and infrastructure projects requiring volume, speed, and uncompromising quality.

MARINE PONTOONS – SUEZ CANAL AUTHORITY



Client

Suez Canal Authority

Project Category

Marine Works

Total Steel Volume

Over **6,000** tons

Scope of Work

Fabrication, Coating and Painting, Launching of Marine Pontoons

Project Overview

Gazala Steel Fabrication was selected to deliver a critical marine infrastructure project for the **Suez Canal Authority**, involving the engineering, fabrication, and installation of large-scale marine pontoons under stringent marine and international quality standards.

Technical & Environmental Challenge

Marine structures operating in the Suez Canal environment are exposed to:

- High salinity
- Continuous water immersion
- Corrosion and abrasion risks
- Strict operational and safety regulations

This required advanced corrosion protection systems and certified quality control processes.



GSF Technical Solution

- Engineered marine pontoons designed for long-term structural integrity
- Executed on-site fabrication to optimize logistics and execution time
- Applied cathodic sacrificial protection systems to mitigate corrosion
- Implemented marine-grade painting systems suitable for harsh environments
- Carried out controlled launching and installation operations

Quality & Testing Management

- Full quality management plan implemented throughout fabrication
- Testing and inspection procedures conducted at all critical stages
- Final approval obtained from a recognized Classification Society, ensuring compliance with international marine standards

Project Highlights

- Over 6,000 tons of fabricated steel
- On-site fabrication and marine installation
- Advanced corrosion protection systems
- Compliance with international marine classification standards
- Execution for one of the world's most critical maritime authorities

Outcome

The successful delivery of the Marine Pontoons project reinforces GSF's capability in executing complex marine steel works, combining engineering expertise, corrosion protection, and certified quality management to meet the highest international standards.

TOSHKA PROJECT



Project Owner

الشركة الوطنية للإستصلاح الأراضي

General Contractor

الشركة الوطنية للمقاولات

Contractor

Madkour

Project Category

Piping Infrastructure

Scope of Work

- Pipes fabrication
- Coating and industrial painting

Volume

3000 tonnes

Project Overview

Gazala Steel Fabrication played a critical role in the Toshka National Project, delivering large-scale steel fabrication works for pipeline infrastructure under demanding logistical and geographic conditions.

The project required not only technical execution but also strategic operational planning to overcome distance-related challenges and ensure uninterrupted project delivery.

Engineering & Logistics Challenge

Remote Location & Transportation Constraints

The Toshka project site was located at a significant distance from GSF's main fabrication facility. Transporting fabricated steel components over such long distances would have resulted in extended lead times, increased costs, and operational inefficiencies.



GSF Solution

- Established a temporary fabrication facility in Toshka
- Mobilized equipment, manpower, and quality control teams on-site
- Performed fabrication, coating, and painting works locally
- Reduced dependency on long-distance transportation
- Maintained GSF's quality, safety, and production standards despite remote conditions

Value Delivered

- Significant reduction in transportation time and cost
- Improved project execution speed and logistical efficiency
- Seamless alignment with client and project timelines
- Demonstrated operational flexibility and problem-solving capability

Project Highlights

- On-site temporary fabrication facility setup
- End-to-end fabrication and coating scope
- Execution under remote and challenging conditions
- Strong collaboration with national project stakeholders

Outcome

The Toshka project highlights GSF's ability to adapt, mobilize, and execute complex steel fabrication works in remote locations, reinforcing the company's reputation as a dependable partner for large-scale national infrastructure projects.

ELECTROMECHANICAL & MATERIAL HANDLING SYSTEMS UPGRADE



Client

Arabian Cement

Project Category

Industrial / Cement & Heavy Manufacturing

Scope of Work

- Electromechanical systems
- Material handling equipment
- Engineering, supply, installation, and commissioning

Project Overview

Gazala Steel Fabrication was engaged by **Arabian Cement** to execute a critical electromechanical and material handling upgrade aimed at improving operational efficiency and reducing energy consumption. The project involved replacing existing airlift systems with high-capacity bucket elevators, a solution requiring precise engineering, strict scheduling, and seamless integration within an operational cement plant.

Engineering & Operational Challenge

High-Capacity Vertical Handling with Zero Operational Disruption

The project included the installation of two bucket elevators with exceptional performance requirements:

- 90-meter height with a capacity of 680 tons/hour
- 120-meter height with a capacity of 960 tons/hour

A key challenge was executing the system tie-in during a **planned facility shutdown**, leaving no margin for schedule overruns or commissioning delays.



GSF Solution

- Engineered and delivered two high-capacity bucket elevator systems to replace energy-intensive airlifts, air slides and screw conveyors.
- Developed a detailed tie-in and execution plan synchronized with the plant shutdown window
- Executed electromechanical installation with strict adherence to safety and operational constraints
- Completed testing and commissioning within the shutdown period to ensure immediate operational readiness

Value Delivered

- Reduced overall energy consumption by **0.4% of total plant operating costs**
- Significantly improved material handling efficiency and throughput
- Eliminated long-term reliance on high-energy airlift systems
- Achieved seamless system integration without impacting production schedules

Project Highlights

- Installation of bucket elevators up to **120 meters in height**
- Handling capacity reaching **960 tons/hour**
- Precise execution during a limited facility shutdown window
- Measurable operational and energy efficiency gains

Outcome

The Arabian Cement project demonstrates GSF's capability to deliver complex electromechanical and material handling solutions under tight operational constraints. By combining engineering expertise with disciplined execution, GSF delivered a high-impact upgrade that enhanced efficiency, reduced energy consumption, and reinforced long-term operational sustainability.

ZINC SMELTER FACTORY – INDUSTRIAL STEEL & MECHANICAL WORKS



Client

Cyprometal

Project Category

Heavy Industry / Metallurgical & Smelting Facilities

Project Volume

3,000 tonnes

Scope of Work

- Fabrication and installation of steel structures
- Conveyors and material handling systems
- Hoppers and filtration units
- Mechanical works and plate works
- Fabrication and installation of silos and tanks

Project Overview

Gazala Steel Fabrication was appointed by **Cyprometal** to deliver comprehensive steel fabrication and mechanical works for a **Zinc Smelter Factory**, involving a total project volume of **3,000 tonnes**. The project required high structural integrity, precision engineering, and seamless coordination across multiple industrial systems.

Engineering & Execution Challenge

Multi-System Integration within a Heavy Industrial Facility

The primary challenge lay in executing **diverse and interdependent scopes**—structural steel, conveyors, hoppers, filtration units, silos, and tanks—while maintaining strict compliance with metallurgical process requirements, safety standards, and installation sequencing.



GSF Solution

- Engineered, fabricated, and installed heavy-duty steel structures designed for metallurgical loads
- Delivered integrated conveyor and material handling systems aligned with process flow requirements
- Executed mechanical and plate works in accordance with heavy-industry standards
- Fabricated and installed silos and tanks to ensure durability, containment integrity, and operational efficiency
- Coordinated fabrication and installation activities to support smooth system integration

Project Highlights

- **3,000 tonnes** of fabricated and installed steel works
- Multi-disciplinary industrial execution under a single contractor
- High-precision fabrication for smelting environments
- Seamless integration of structural, mechanical, and material handling systems

Outcome

The successful delivery of the Zinc Smelter Factory reinforces Gazala Steel Fabrication's expertise in heavy industrial projects, demonstrating the company's ability to manage complex scopes at scale while maintaining engineering precision, safety, and long-term operational performance.

FAST-TRACK INDUSTRIAL STEEL STRUCTURE PROJECT



Client
EGMECH

Project Category
Industrial Facilities / Fast-Track Execution

Project Volume
480 tonnes

Scope of Work
■ Fabrication of steel structures
■ Supply and installation on site

Project Overview
Gazala Steel Fabrication was contracted by **EGMECH** to deliver the fabrication and installation of a **480-tonne steel structure** under an extremely tight timeline. The client required the facility to be **fully operational within 40 days**, leaving only **28 days** for complete fabrication and installation.

Execution Challenge
Ultra-Compressed Schedule with Zero Margin for Delay
The main challenge was executing fabrication, logistics, and installation within a **28-day window**, without compromising quality, safety, or structural integrity. Any delay would have directly impacted the client's commissioning and operational deadlines.

GSF Solution
To meet the accelerated timeline, Gazala Steel Fabrication implemented a parallel execution strategy, maximizing speed and efficiency:

- Segmented the project into fabrication batches
- Initiated site installation immediately upon completion of the first batch
- Continued fabrication of remaining sections in parallel with on-site installation
- Optimized logistics and daily coordination between factory and site teams
- Maintained strict quality control throughout accelerated production

A full timelapse recording of the project was captured, documenting the speed, coordination, and precision of execution.

Project Highlights
■ **480 tonnes** fabricated and installed in just 28 days
■ Parallel fabrication and installation methodology
■ Facility operational readiness achieved within client's 40-day requirement
■ Timelapse documentation demonstrating execution speed and coordination

Outcome
The successful completion of this fast-track project highlights Gazala Steel Fabrication's agility, planning excellence, and execution capability under extreme time constraints. The project stands as a clear demonstration of GSF's ability to deliver complex steel structures on accelerated schedules without compromising quality or safety.



SCAN HERE TO
VIEW THE **PROJECT**

A wide-angle, low-perspective shot of a large, empty industrial building under construction. The structure features a complex steel frame with numerous vertical columns and horizontal beams. The floor is a light-colored, flat surface, possibly concrete or a temporary construction layer. The sky is clear and blue, and the background shows some distant buildings and a hilly landscape. The overall scene conveys a sense of scale and industrial design.

OUR
PROJECTS
STEEL STRUCTURES



Client: BBM Terminal Corp. Houston, USA
Project: BBM terminal
GSF Scope: Supply structural steel



Client: BBM Terminal Corp. Houston, USA
Project: BBM terminal
GSF Scope: Supply structural steel





Client: BBM Terminal Corp. Houston, USA
Project: BBM terminal
GSF Scope: Supply structural steel



Client: CIVE
Project: Students Housing podium structure
GSF Scope: Supply of structural steel
Total Quantity: 228 Tonnes

CIVE



Client: Cyprometal
Project: Zinc Smelter Factory
GSF Scope: Structural steel, Mechanical work, Plate work, Hoppers, Filters, Silos, Tanks, Conveyors
Total Quantity: 3.000 Tonnes



Client: Cyprometal
Project: Zinc Smelter Factory
GSF Scope: Structural steel, Mechanical work, Plate work, Hoppers, Filters, Silos, Tanks, Conveyors
Total Quantity: 3.000 Tonnes





Client: Al Sharkiya Sugar Manufacturing
Project: Al-Salhya Factory
GSF Scope: Supply and Installation of pipe racks



Client: Global Company
Project: Chicken Feed Factory
GSF Scope: Supply and installation of structural steel
Total Quantity: 275 Tonnes



Client: FCC Aqualia
Project: Al-Alamen water desalination plant
GSF Scope: Supply and installation of structural steel



Client: FCC Aqualia
Project: Al-Alamen water desalination plant
GSF Scope: Supply and installation of structural steel





Client: China State Construction Engineering Corporation
Project: Iconic tower in New Capital City
GSF Scope: Supply of coupling beams with shear studs

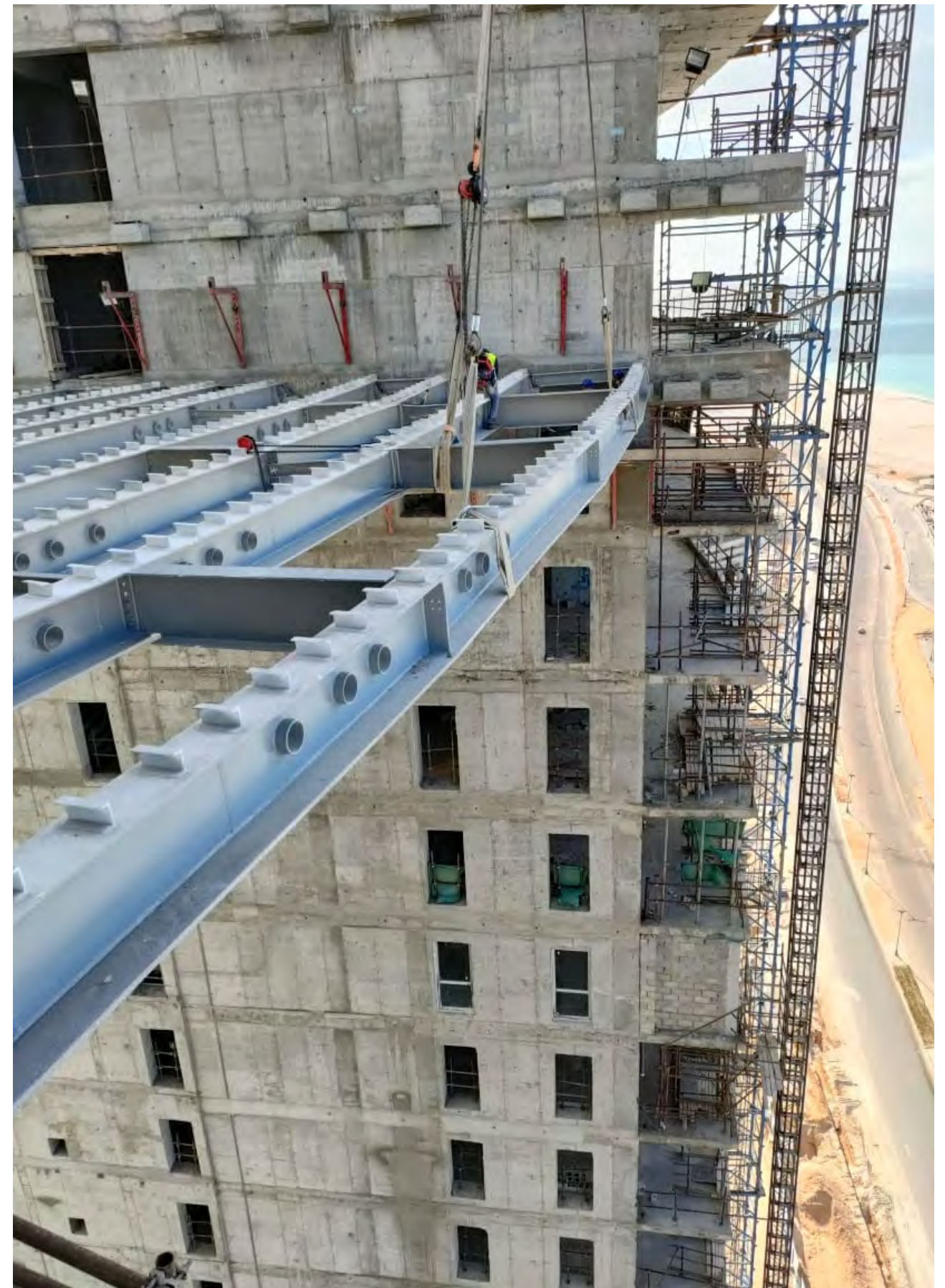


Client: China State Construction Engineering Corporation
Project: Iconic tower in New Capital City
GSF Scope: Supply of coupling beams with shear studs





Client: BMIC
Project: Coal storage - wind breaker
GSF Scope: Turn-Key basis



Client: CRC Dorra
Project: El Alamein Tower
GSF Scope: Supply and installation of steel structure





Client: CRC Dorra
Project: Mivida Lake District
GSF Scope: Supply and installation of Commercial Containers



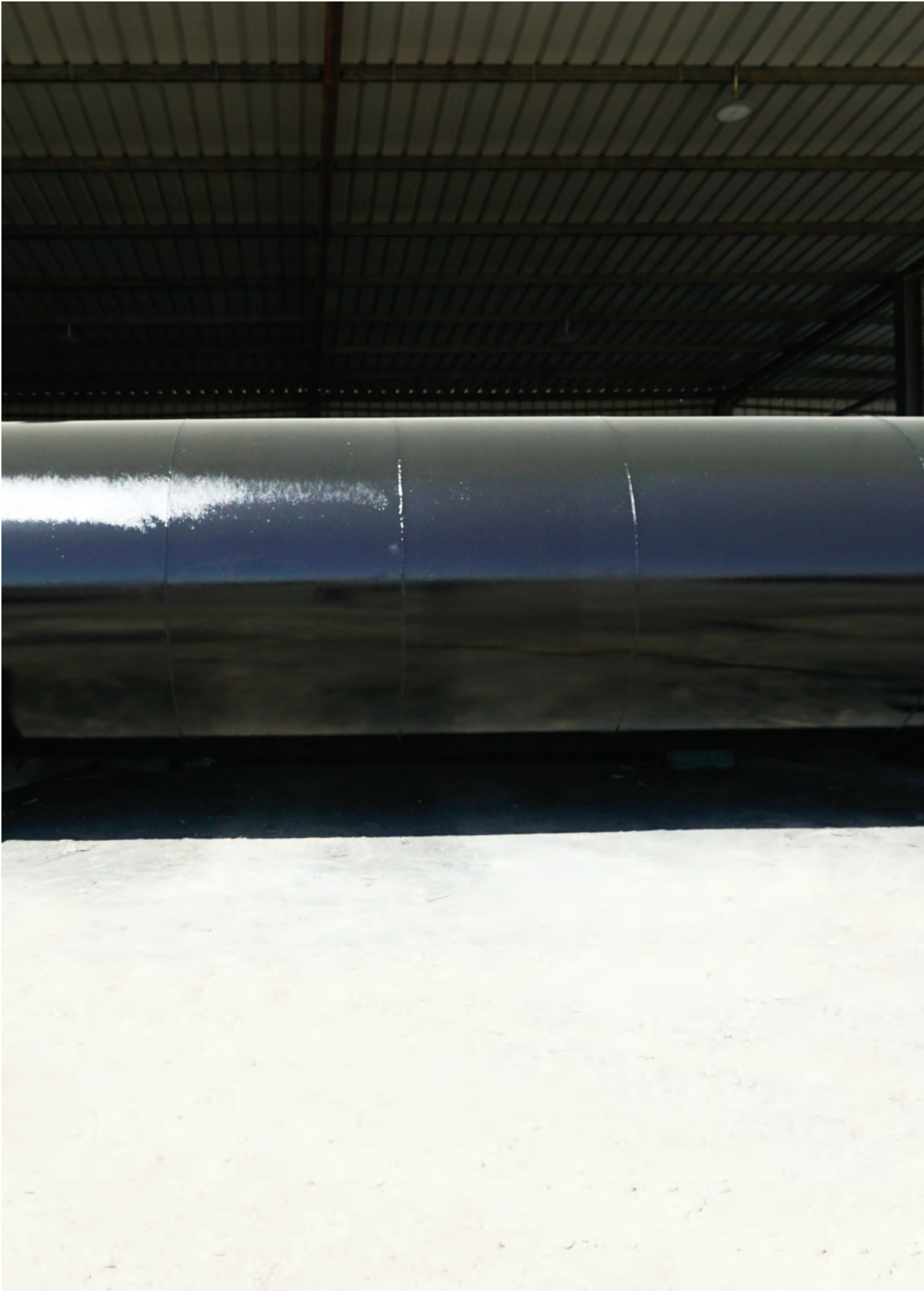
Client: CRC Dorra
Project: Mivida Lake District
GSF Scope: Supply and installation of Commercial Containers



OUR
PROJECTS
PLATE WORK



Client: Madkour | **Zone:** R - TOSHA
35 booster pump stations: Total Length 8,244 m
2 main lifting stations: Total Length 2,000 m Supply & fabrication of carbon steel pipes, fabrication and welding of piping spools, painting of finished pipings



Client: Madkour | **Zone:** R - TOSHA
35 booster pump stations: Total Length 8,244 m
2 main lifting stations: Total Length 2,000 m Supply & fabrication of carbon steel pipes, fabrication and welding of piping spools, painting of finished pipings





Client: Madkour | Zone: S - TOSHA
3 Lifting Stations: DN900-DN2500
Total Length: 2,6882 m | Thickness: 12 mm - 16 mm



Client: Madkour | Zone: S - TOSHA
3 Lifting Stations: DN900-DN2500
Total Length: 2,6882 m | Thickness: 12 mm - 16 mm





Client: Madkour | Zone: S - TOSKA
Booster Pump Stations: DN400 - DN1400
Total Length: 4,224 m | Thickness: 10 mm - 14 mm



Client: Madkour | Zone: S - TOSKA
Booster Pump Stations: DN400 - DN1400
Total Length: 4,224 m | Thickness: 10 mm - 14 mm





Client: Supplied to Halliburton
GSF Scope: Supply, fabrication & epoxy painting of 750 BBL
 Storage Tanks with handrail and ladder
Total Quantity: 494 Tonnes



Client: Supplied to Halliburton
GSF Scope: Supply, fabrication & epoxy painting of 750 BBL
 Storage Tanks with handrail and ladder
Total Quantity: 494 Tonnes





Client: Mostakbal Masr
GSF Scope: Fabrication of Pipes
Total Quantity: 36,000 Tonnes



Client: Supplied to Halliburton
GSF Scope: Supply, fabrication & epoxy painting of 750 BBL Storage Tanks with handrail and ladder
Total Quantity: 110 Tonnes





OUR
PROJECTS
MARINE WORKS



Client: Suez Canal Authority
GSF Scope: Fabrication of Marine Pontoons



Client: Suez Canal Authority
GSF Scope: Fabrication of Marine Pontoons





Client: Suez Canal Authority
GSF Scope: Fabrication of Marine Pontoons



Client: Suez Canal Authority
GSF Scope: Fabrication of Marine Pontoons





OUR
PROJECTS
**ELECTROMECHANICAL
& HANDLING EQUIPMENT**



Client: Petrojet
Project: Pipes concrete coating factory
GSF Scope: Installation of structural steel and mechanical equipment



Client: Petrojet
Project: Pipes concrete coating factory
GSF Scope: Installation of structural steel and mechanical equipment





Client: Petrojet
Project: Pipes concrete coating factory
GSF Scope: Installation of structural steel and mechanical equipment

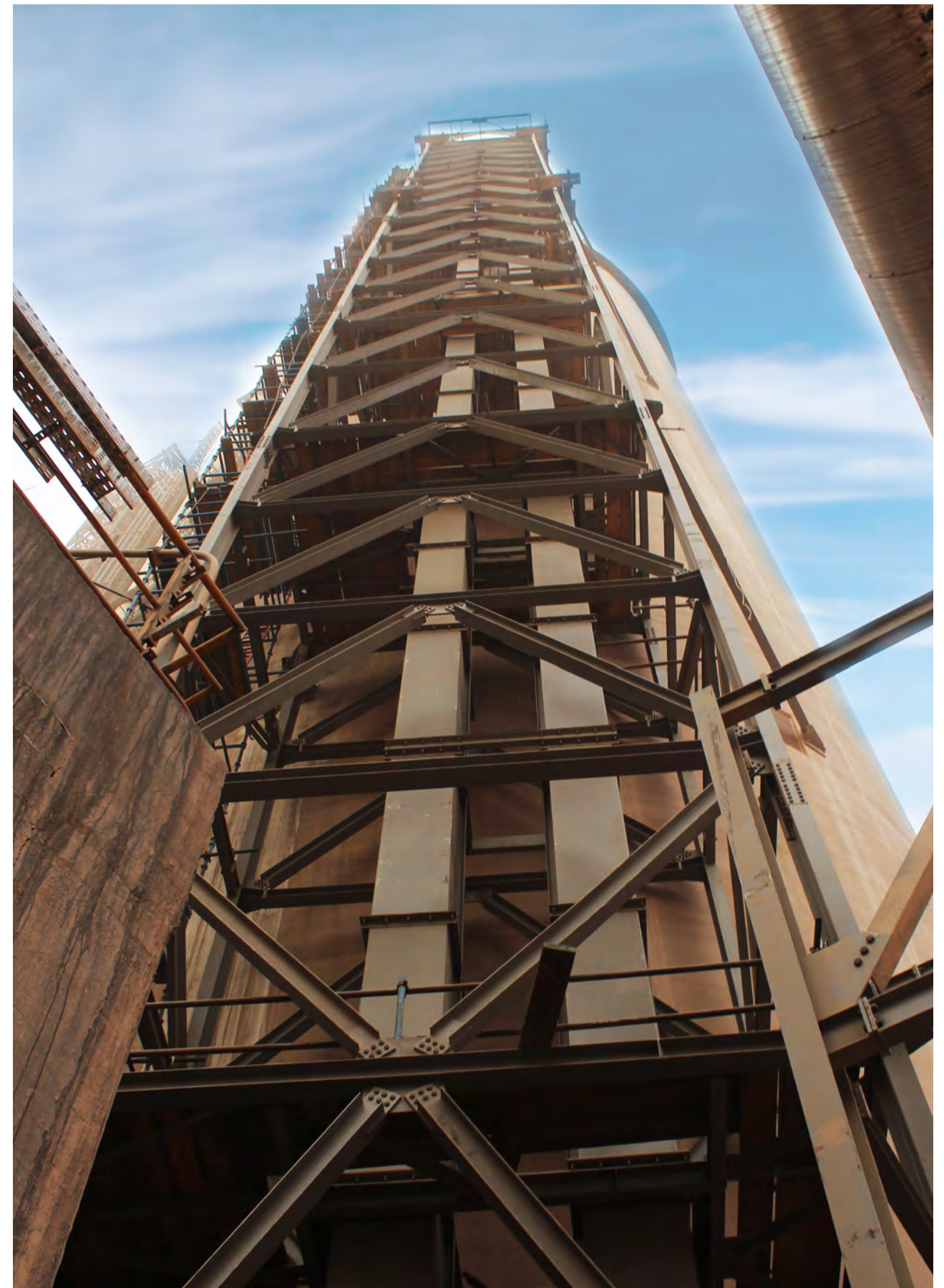


Client: Arabian Cement Company
Project: Screw conveyor
GSF Scope: Supply and installation of Screw conveyor





Client: Arabian Cement Company
Project: 2 bucket elevators, Air Slides and Screw Conveyors
GSF Scope: Fabrication, supply and installation



Client: Arabian Cement Company
Project: 2 bucket elevators, Air Slides and Screw Conveyors
GSF Scope: Fabrication, supply and installation





Client: Arabian Cement Company
Project: Double wall ammonia tanks
GSF Scope: Design, fabrication, supply, installation, test & commissioning of two double wall



Client: Arabian Cement Company
Project: Jumbo bag loading system
GSF Scope: Supply, installation, & commissioning





Client: Cyprometal
Project: Zinc Smelter Factory
GSF Scope: Structural steel, Mechanical work, Plate work, Hoppers, Filters, Silos, Tanks, Conveyors
Total Quantity: 3.000 Tonnes



Client: Cyprometal
Project: Zinc Smelter Factory
GSF Scope: Structural steel, Mechanical work, Plate work, Hoppers, Filters, Silos, Tanks, Conveyors
Total Quantity: 3.000 Tonnes





Client: Cyprometal
Project: Zinc Smelter Factory
GSF Scope: Structural steel, Mechanical work, Plate work, Hoppers, Filters, Silos, Tanks, Conveyors
Total Quantity: 3.000 Tonnes



Client: Cyprometal
Project: Zinc Smelter Factory
GSF Scope: Structural steel, Mechanical work, Plate work, Hoppers, Filters, Silos, Tanks, Conveyors
Total Quantity: 3.000 Tonnes





Client: BBM Terminals Corp. - USA
Project: Ship unloader
GSF Scope: Mechanical & Electrical





OUR
PROJECTS
SEMI-TRAILERS





OUR
PROJECTS
TOWERS



Client: Madkour EPC
Project: Egypt future agriculture project
GSF Scope: Supply 22 KV galvanized transmission towers



Client: Elsewedy T&D
Project: New Minia
GSF Scope: Supply 22 KV galvanized transmission towers





Client: Elsewedy Electric
Project: Mohamed Bin Zayed Road
GSF Scope: Lighting Poles



Client: G- Enviro
Project: Heavy duty cow
GSF Scope: Supply heavy duty cow (trailer with telescopic tower)





**NORTH
AMERICA**

EUROPE

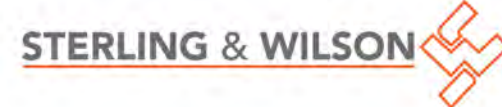
ASIA

**SOUTH
AMERICA**

AFRICA

AUSTRALIA

**OUR
CLIENTS**





AND MANY MORE...



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PRECISION**

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