



STP GROUP OF COMPANIES

HEAVY ENGINEERING

Mechanical Processing and
Crane Operations Sector



www.stp.az

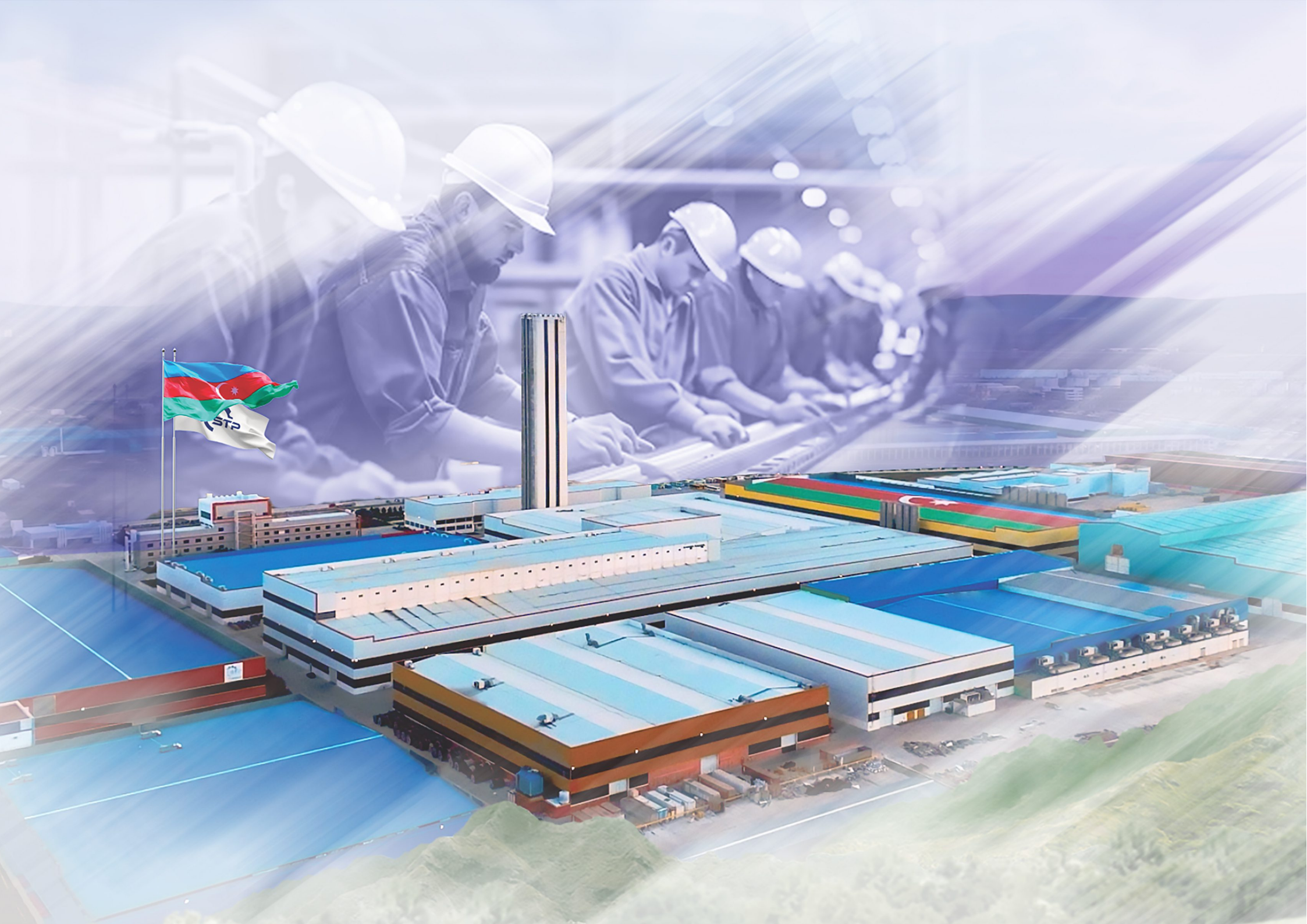


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STP Heavy Engineering

GENERAL INFORMATION

“STP-Heavy Engineering” LLC is a modern production facility focused on heavy industrial and engineering operations, providing a comprehensive portfolio of products and services.

Products: Metal electrical transmission poles, Offshore and overhead cranes, Overhead bridge cranes with lifting capacity up to 200 tons, high-pressure vessels, various containers, heat exchangers

Services: Metal construction, machinery manufacturing, sandblasting, industrial painting, hot-dip galvanizing, mechanical assembly, crane maintenance and repair, Repair of high-pressure vessels, heat exchangers, various containers

The company is equipped with modern technological equipment. Within the **crane engineering operations**, the company manufactures single-girder, double-girder, and jib-type cranes.

The mechanical assembly unit carries out the installation of high-pressure containers and various metal constructions. The company also supplies customers with pressure vessels, electrical poles, and other mechanical engineering products. In the hot-dip galvanizing unit, large-scale structures are galvanized in both automatic and manual modes. Sandblasting involves surface cleaning, while industrial painting includes the application of coatings using modern technologies.



PRODUCTION CAPACITY

ALL PRODUCTION AREAS:

17 000 tons/year

GALVANIZING SERVICES:

20 000 tons/year



PRODUCTION AREAS

Plasma cutting

Bending

Welding and assembly

Industrial painting and sandblasting

Press shop

Hot-dip galvanizing

Crane manufacturing



SECTORS

Oil and Gas

Agriculture

Construction

Industry



EQUIPMENT

VTL 3000 CNC/VTL 1600 CNC

HMC-1000B CNC/HMC-2000B CNC

TH6920B 240x50 CNC

CKx52100 CNC

JY-BMV180 CNC

DL-105 CNC DI-125 CNC

XK-2640 CNC

"PILLING", "SCHEFFER", "STOECKL - Germany

"KOERNER", "SCHEUCH- Austria

"C.H.EVENSEN – Norway etc.



EXPORT

- RUSSIA
- TÜRKIYE
- HUNGARY
- USA
- FRANCE



OUR STRENGTHS AND ADVANTAGES

PRODUCTION OF STATIC EQUIPMENT

Production of static equipment

It offers its customers in Azerbaijan heavy engineering products such as pressure vessels, heat exchangers, and turrets.

- Pressure vessels **up to 120 mm** wall thickness
- Vessels, turrets, and poles **up to 70 m** in length
- Various types of heat exchangers

Crane Engineering

In the production area, cranes are manufactured with lifting capacities ranging **from 1 to 200 tons**, spans **from 3 to 36 meters**, and control systems including remote, cabin, or cable operation. Crane trolleys are available in **single-girder** or **double-girder** configurations.

The entire production process operates under the strict control of the Technical and Quality Control Department.

Metal Construction

STP operates a manufacturing plant specializing in metal structures, with an annual steel production **capacity of 10,000 tons**.



ANTI-CORROSION

The anti-corrosion services include HOT-DIP GALVANIZING, SANDBLASTING, AND INDUSTRIAL PAINTING.

In the **HOT-DIP GALVANIZING** facility, metal structures of various sizes are galvanized in both automatic and manual modes.

Structures up to $14.5 \times 1.4 \times 2.7$ m can be processed automatically, while manual galvanizing allows structures up to 18 meters in length.

In the **SANDBLASTING** facility, metal surfaces are cleaned in accordance with SA 2 and SA 2.5 standards.

Sandblasting operations are performed based on customer requirements, utilizing metal grit, dry sand, water, flame, abrasive materials, steam, or mechanical techniques.

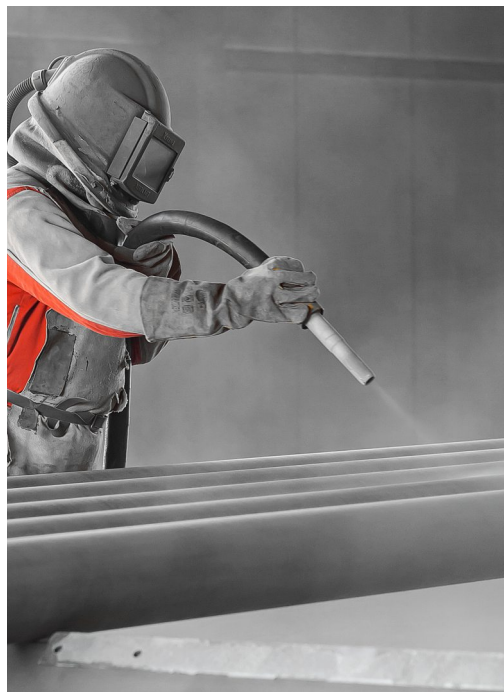
The **INDUSTRIAL PAINTING** area employs both conventional and contemporary techniques for industrial painting applications.

Paints are applied with brushes or airless spray equipment as appropriate for their purpose. Equipment and technical capabilities are available to paint products of various sizes.



UP TO
70%

of raw material purchases are sourced from local manufacturers.



PRODUCT AND SERVICE

STATIC EQUIPMENT

- ASME sealed pressure vessels
- ASME certified separators
- Heat exchanger manufacturing and services
- Storage vessels
- Poles and reactors
- Transport vessels

PROCESSING SERVICES

- Milling/Lathes 3–5 axes
- Vertical and horizontal turning
- Transmission machinery
- Erosion machines
- Bending up to 120 mm

CRANES

- Overhead cranes
- Jib cranes
- Gantry cranes
- Wall-mounted cranes

METAL CONSTRUCTION

- Pipe racks
- Sliding systems
- Auxiliary structures

SERVICES

- Engineering
- Technical maintenance
- Galvanizing
- Sandblasting
- Industrial painting



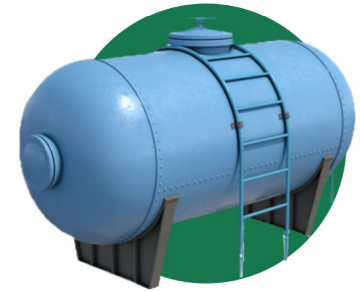
OUR MAIN
PRODUCTS



Offshore cranes



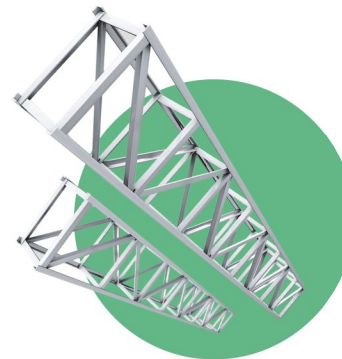
Overhead cranes



Water and fuel vessels



Pressure vessels



Metal construction



Metal electrical poles

QUALITY CONTROL

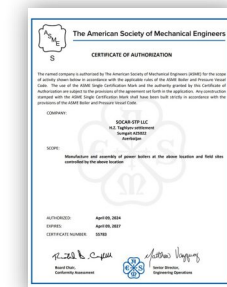
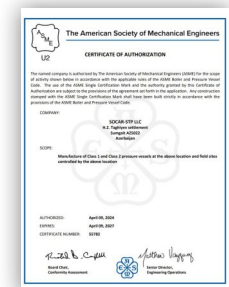
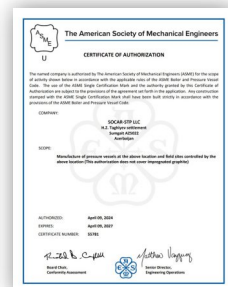
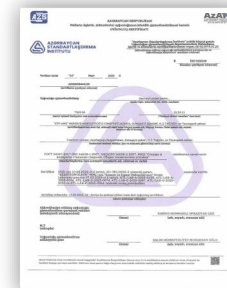
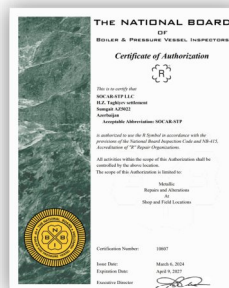
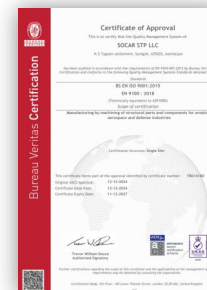
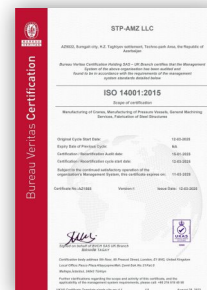
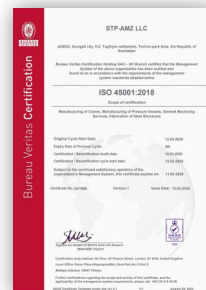
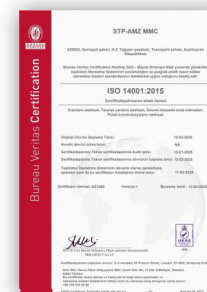
A special laboratory operates at our facility to test finished products. Metal structures are dipped in molten zinc during the hot-dip galvanization process. All galvanized materials conform to EN ISO 1461:2009 and ASTM A123 standards. High-quality zinc is used in the galvanizing process to ensure quality work.

The following inspections and tests are conducted in our company's production and service units:


- Visual inspection of weld seams
- Certification tests for welders
- Various tests in painting and coating departments (Paint application test, Adhesion test, Soluble test, Cross cut test, Dust assessment)
- Geometrical measurements of machined parts and metal structures (with micron-0.001 mm accuracy)
- Non-destructive testing (MT, PT, UT)
- Hardness test
- Roughness test

At the same time, our products are supplied with CERTIFICATES confirming compliance with relevant standards.



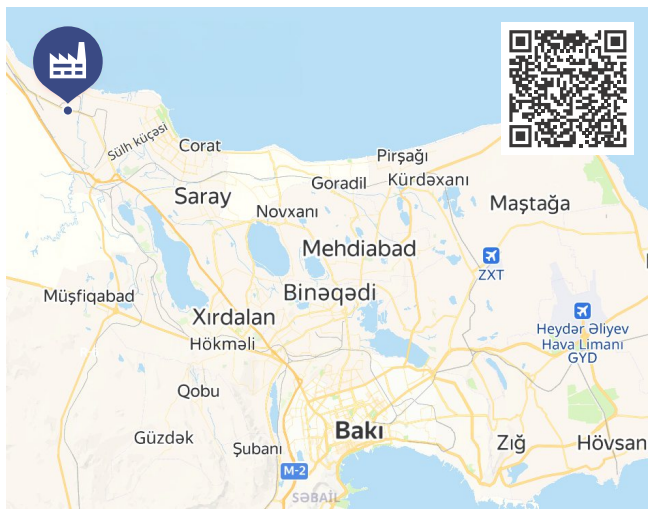


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STP collaborates with companies across various sectors through its industry-compliant production capabilities and quality-driven approach.

Our technologically advanced equipment and adaptable production infrastructure empower us to offer partners high-quality, functional solutions.

Our proven systems and skilled specialists ensure that every partnership is built on a reliable and trustworthy basis.

If stability and functionality are your priorities in manufacturing, partnering with STP may be the right choice.

Equipment

74 milling machines and lathes

18 Gleason machines (France)

Hydraulic press machines
with capacities from
50 to 3,200 tons



