



We deliver precise solutions with competitive prices for unique customer requirements!

From planning to production everything from one source.



We specialize in the planning, manufacture, logistics for steel plant and equipment engineering.

Power to change the global landscape.





Sustainability

We are conscious of the impact our work has on the environment. We work with customers to provide clean, efficient, healthy, effective solutions on all projects.



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WHO ARE WE?



FORUS was established in 2021 to offer solutions to our stakeholders by blending our 30 years of industry experience with methods based on international quality standards, low cost, environment, sensitive, high efficiency and integrated automation systems.

In addition to general industrial solutions, FORUS designs, manufactures and assembles machine designs, maintenance and repair of industrial equipment and process equipment used in industrial facilities according to customer needs.

Since its establishment, FORUS has managed to become one of the leading companies in its sector by providing products / services to its customers in many sectors. FORUS has gained the appreciation of global companies, which are its customers, in many countries where it provides products / services and has become a sought-after company.

FORUS will always continue to provide the best service in process technology applications with our researcher, innovative, expert technical infrastructure and professional management staff. It increases its reliability in the sector by delivering the works it undertakes on time, its quality, the importance it attaches to people and employees, and its attention to ethical rules.

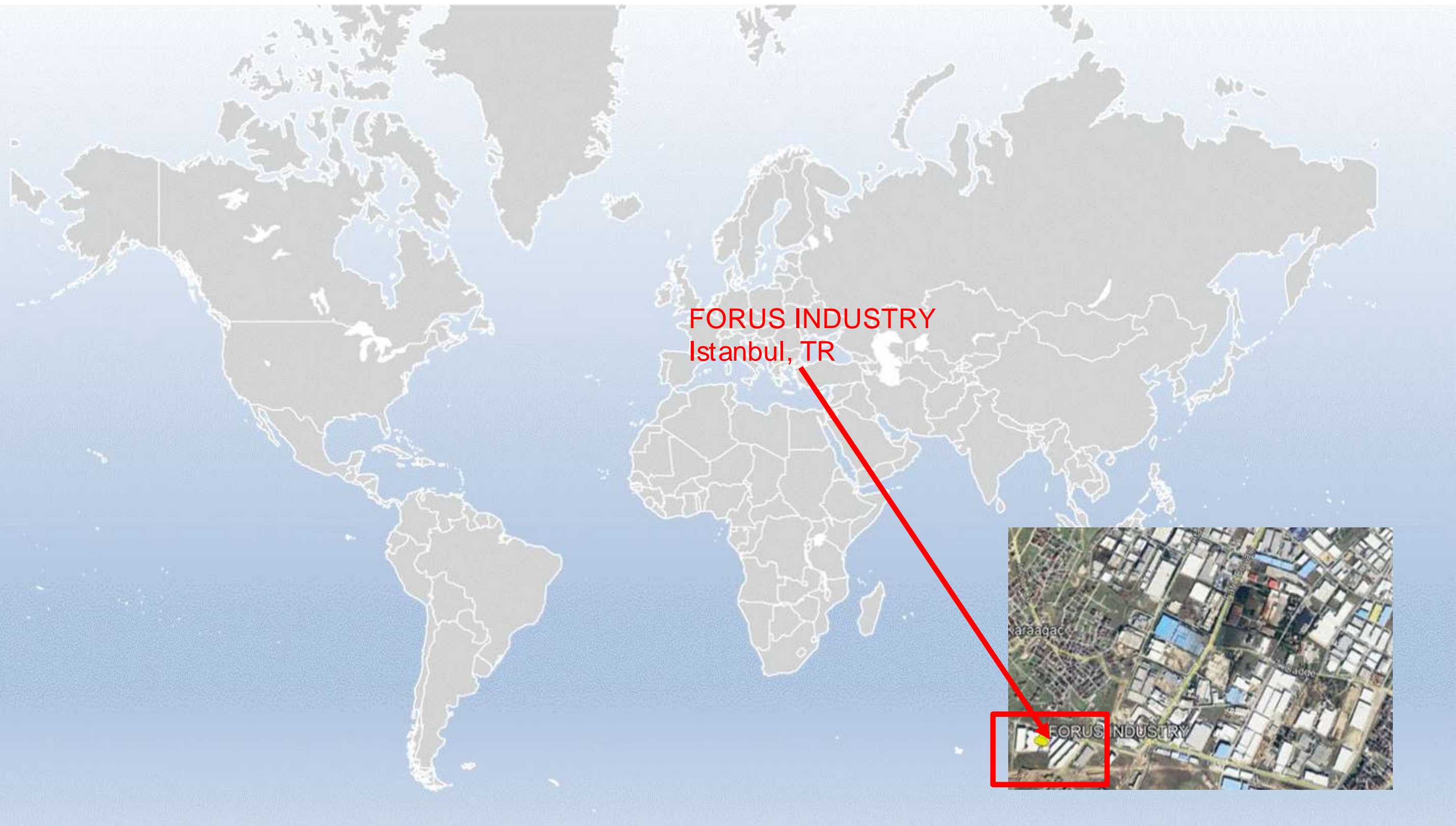


Forus offers study, engineering, project management and construction services to clients in the Steel Plant & Equipment Construction industry.



To Expertise includes performing studies, designing processes and building facilities.

WHERE WE ARE?



What Makes Us Different?

OUR VALUES

FORUS Industry has always been a value-driven company. Our value has emerged over the years. Our values reflecting the way we manage our company; it is our professional ethical rules that we use in communication with our business partners, investors, employees and the society.

As we think;

These Four Values determine our corporate philosophy;

Real Performance



Highest Reliability



Active Responsibility



Honest Solution Partnership



WHAT DO WE DO?

FIELD OF ACTIVITIES

- Wood, Chipboard & MDF Industry
(Recycling)
- Paper & Packaging Industry (Recycling)
- Oil, Gas & Energy Industry
- Food and Beverage Industry
- Chemical & Petrochemical Industry
- Iron & Steel Industry
- Heavy Metal Industry
- Fertilizer Industry
- Mining and Soil Industry
- Automotive Industry
- Consumer Products Industry
- Pharma Industry

SERVICES AND PRODUCTS

- Project Management
- Steel Plant & Equipment Construction
- Welding & Welded Constructions
- Machining
- Structural Steel Fabrication
- Stainless Steel Pipe & Steel Pipe
- Metal Construction
- Corrosion Protection
- Assembly & Commissioning of Machines & Systems
- Machine Maintenance & Repair
- Steel Bridge Construction
- Composite & Steel Building Construction
- Facade Construction
- Hydraulic Steel Construction
- Research & Development



WHAT DO WE DO?

Precise, Powerful, Customer-Oriented: Project Management, Quality Assurance, Design, Manufacturing, Logistics and Assembly - from a single source, with modern machines and specialized, experienced professionals.



Project Management

- Project Execution
- Construction & Work Preparation
- Production
 - Cutting
 - Assembly & Welding
 - Corrosion Protection
- Logistics
 - Warehouse
 - Shipment
- Steel Structure Assembly
 - Planning
 - Storage & Transportation
 - Assembly

Steel Plant & Equipment Construction

- Wood, Chipboard & MDF Industry (Recycling)
- Paper & Packaging Industry (Recycling)
- Oil, Gas & Energy Industry
- Food and Beverage Industry
- Chemical & Petrochemical Industry
- Iron & Steel Industry
- Heavy Metal Industry
- Fertilizer Industry
- Mining and Soil Industry
- Automotive Industry
- Consumer Products Industry
- Pharma Industry

Welding & Welded Construction

- Applied Welding Processes;
- MIG Welding - Gas Metal Arc Welding (GMAW)
- TIG Welding - Gas Tungsten Arc Welding (GTAW)
- Stick Welding - Shielded Metal Arc Welding (SMAW)
- Flux Welding - Cored Arc Welding (FCAW)
- Energy Beam Welding (EBW)
- Atomic Hydrogen Welding (AHW)
- Gas Tungsten-Arc Welding
- Plasma Arc Welding
- Welding Machines;
- Mig (metal inert gas) welding machines.
- Thyristor Control Mig welding machines.
- Tig welding machines.
- Spot welding machines.
- Shielded metal arc welding machines.

Machining

- **Machining Processes**
 - **Turning**—Basic purpose of turning.
 - **Milling**—while turning inherently produces cylindrical surface.
 - Facing—it is performed to make a surface flat and substantially smooth.
 - Drilling—it is performed to originate a hole in a surface in any orientation.
 - Boring—Purpose of boring operation is to enlarge a hole.
 - Knurling—a knurled surface is required to reduce chances of slippage while gripping.
 - Grinding—it is actually one abrasive cutting process.

WHAT DO WE DO?

Precise, Powerful, Customer-Oriented: Project Management, Quality Assurance, Design, Manufacturing, Logistics and Assembly - from a single source, with modern machines and specialized, experienced professionals.



<h3>Structural Steel Fabrication</h3> <ul style="list-style-type: none"> ▪ Scope of Delivery <ul style="list-style-type: none"> • Cutting • Steel Marking • Bending • Drilling • Welding • Balancing • Sandblasted • Primed • Coating According To Your Specifications • Quality Control • Product labeling & Packaging • Logistics • Transport • Focused on growth in our core markets, services, and geographies 	<h3>Metal Construction</h3> <p>Forus's Modularization Expertise Client business drivers supporting module design include:</p> <ul style="list-style-type: none"> ▪ Extensive Factory Acceptance Testing (FAT) desired ▪ High density piping areas ▪ High module potential / repeatable facility construction ▪ Limited availability of regional skilled labor/ imported construction labor/ worker housing ▪ Remote site access ▪ Schedule-driven improvement ▪ Severe site weather constraints 	<h3>Corrosion Protection</h3> <p>Experienced industrial painters carries out the factory corrosion protection in our house.</p> <p>We coat in the factory by hand using the airless spraying process or using a continuous painting system.</p> <ul style="list-style-type: none"> ▪ Sandblasting ▪ Paint <ul style="list-style-type: none"> • Primer • Second Coat • Last Coat ▪ Galvanized 	<h3>Stainless Steel</h3> <ul style="list-style-type: none"> ▪ The production of stainless steel pipes has always been our core competence. In addition, we offer our customers extensive prefabrication of stainless steel pipelines according to models, isometric drawings and piping plans. ▪ By extensive prefabrication and further processing of our pipe at our works we are able to optimise the quality of the pipelines and offer products ready for installation at reasonable prices. ▪ Our expertise in forming, welding, machining and materials technology, as well as quality assurance guarantee our customers the supply of first class products. FORUS is a reliable supplier of pipelines for numerous industrial applications all over the world.
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WHAT DO WE DO?

Precise, Powerful, Customer-Oriented: Project Management, Quality Assurance, Design, Manufacturing, Logistics and Assembly - from a single source, with modern machines and specialized, experienced professionals.



Assembly & Commissioning of Machines & Systems

- From assembly inspection to complete assembly, FORUS offers a full spectrum of services. We do not only put plants into operation, but also offer further support in the following areas if required:
- Complete assembly
- Assembly management
- Assembly supervision
- Final assembly inspection
- Cold commissioning
- Hot commissioning
- Support after successful commissioning
- Modifications after Installation
- Software Operations
- Checking System Operations

Machine Maintenance & Repair

Integrated Maintenance

FORUS's turn-key industrial maintenance services focus on preserving your plant components at peak performance so you can enjoy higher productivity, maximum cost effectiveness and lower costs of ownership.

- Mechanical Inspections
- Preventative Maintenance
- Plant Maintenance Assistance
- Predictive, Preventative and Corrective Maintenance
- Equipment Maintenance

Fabric maintenance service offerings include:

- Coatings and surface preparation
- Insulation
- Passive fire protection
- Special access systems
- Construction support
- Staffing

Steel Bridge Construction

Forus Delivering New and Replacement Bridge Projects

Forus have the capability and financial stability to execute worldwide bridge repair, rehabilitation and replacement programs on schedule and within budget.

- Railway Bridges
- Road and Highway Bridges
- Pedestrian and Cycle Bridges
- Canal Bridges

We design and implement railway bridges and road bridges of various types such as truss bridges, trough bridges, arch bridges, network arch bridges, cable-stayed bridges or VFT girders - either as all-steel or composite bridges. Lifting assembly, incremental launching, cantilever construction, transverse and longitudinal displacement or floating are used as assembly methods.

Composite & Steel Building Construction

Our range of services in structural steel construction covers all areas of application for profile steel constructions, including:

- Industrial Construction
- Infrastructure Construction
- Power Plant Construction
- Logistics and Hall Construction
- Commercial Building
- Train Stations
- Hangars
- Parking Garages
- Sports Facility Construction
- Special Constructions

WHAT DO WE DO?

Precise, Powerful, Customer-Oriented: Project Management, Quality Assurance, Design, Manufacturing, Logistics and Assembly - from a single source, with modern machines and specialized, experienced professionals.



Facade Technology

- *Our services and products in the field of facade technology:*
 - Trapezoidal Profile Supporting Shells for Further Warm Roof Constructions
 - Sandwich Profiles for Roof and Wall Cladding
 - Steel Cassette Walls Etc. For Power Plants, Industrial Scaffolding and Production Halls
 - Roofs Made From Industrially Manufactured Aluminium Standing Seam Profiles
 - High-Quality Aluminium Facades Made Of Siding Profiles, Rectangular Cassettes and Corrugated Profiles
 - Arched Roofs, Also Self-Supporting
 - Concrete and Reinforced Concrete Elements for Facade and Roof Structures

Hydraulic Steel Construction

- At a high technical level, based on extensive experience from numerous projects and the use of modern technologies, we implement lock systems (lifting, sliding and mortise gates) as well as inspection closures and barrages - precisely, safely and reliably.
- Quality, dimensional accuracy and tightness are prerequisites for flawless products in hydraulic steel construction. The maintenance and overhaul of these systems is also part of the repertoire of FORUS.
 - Locks, Lifting and Mortise Gates
 - Barrage Locks
 - Fortifications
 - Ship Building Sections and Hatch Covers

Research & Development

In addition to longitudinally welded pipes for the industrial use, FORUS manufactures components. By combining modern production technology with technical skills and long-standing experience in the stainless steel processing, we are able to implement individual product solutions for our customers.

- Various processing options
Through a combination of state-of-the-art production technology, craftsmanship and long-standing experience we offer our customers special pipes.
- Examples for customised components
Through the individual combination of the base product (normally our high-quality pipe) and the production facilities, we create your components ready for installation.

Vessel, Tanks & Apparatus

The production in one piece is possible due to the extensive prefabrication possibilities available at FORUS, providing not only higher quality but also quite obvious cost savings. Vessels having a height of 16 m and a diameter of up to 6 000 mm can be produced in one piece.

For decades many industrial sectors have been relying on FORUS vessels produced to varying requirements.

- Vessels for the paper and pulp industry
- Water separators made of Duplex
- Tanks for the food industry
- Apparatus with shelves
- Tailored vessels and oxygen vessels
- Pressure vessels

We can offer you a wide variety of atmospheric and pressure vessels like:

- Storage Tank, Buffer Vessel, Drain Tank, Hopper
- Reactor, Process Vessel, Separator, Condensor, Adsorber, Extractor, Crystallizer, Statoliser, Deodorizer.

OUR CAPACITY

Facility Capacity

FACTORY GENERAL INFORMATION

Factory Building Total Area	2000 m ²
Total Closed Area:	1200 m ²
Closed Area (Total, incl. Offices):	1200 m ²
Closed Area (Production, only):	1000 m ²
Material Storage Areas	3000 m ²
Shipment Storage Areas	2000 m ²
Distance to International Port:	~50 km
Annual Production Capacity	Our facility has an annual production capacity of over 6000 tons.
Maximum Component Weight	50 t
One Piece Size	20m x 4.5m x 4.5m
Carrying Capacities:	2 modular vehicles, together with a carrying capacity of 140 t
Forklifts – Loaders:	Various forklifts/side loaders up to 10 tons
Number of Hangar:	1

FACTORY DIMENSIONS

Length of Factory Hangar:	30 m
Width of Factory Hangar:	18 m (each)
Height under the Hook:	8 m
Number and Dimensions of Doors:	1 door with 5 m width and 5 m height 1 door with 3 m width and 5 m height



OUR CAPACITY

Machinery Capacity

MACHINE (Bending, Cutting, Welding, Marking, Machining)

Cranes:	1 piece Overhead Crane, Capacity 10 tons (in operation)
Cutting Machines:	Cutting Capacity up to 200 mm 1 piece CNC Plasma Cutting (3m x 1.5m) 1 piece CNC Laser Cut (3m x 1.5m) 1 piece KD280-8660 Cutting System with Cutting System
Rolling Machines:	1 piece Rolling Capacity Ø2,500 mm radius with roll up to 32 mm (S235JR) 2.5 m wide
Profile Bending Machine:	1 piece UPN 220 with radius Ø1.000 mm, outward
Positioners:	3 piece up to 4 T capacity, with and without drive
CNC	1 piece CNC DIVIZOR Ø500-6000mm 1 piece KENT CNC 6200-2700mm 1 piece FEMCO CNC BORVERK 3000-1800mm
Drill System	2 piece SAW Drill System 1 piece high speed plate drilling and burning line 1 piece Radial Drill 1600 x 800
Machining Machine	1 piece Milling 1300 x 800 x 400 1 piece ZMM 3000 X Ø580
Welding Machines:	15 piece (PAW), 11 piece (SMAW), 12 piece (SAW), 6 piece (MIG), 15 piece (MAG), 5 piece (FCAW), 5 piece (GTAW)
Column Boom Welding System:	1 piece SAW and MIG/MAG measures 5 mx 5 m
SAW Welding Tractor:	2 piece SAW and MIG/MAG 1200A
Portable Welding Machines:	More than 100 pcs Electrode Welding Machines 5 piece Electrodes Preheat Furnaces 5 piece Various Lifting Presses
Sand Blaster	2 piece sandblasters Gietart 2506 Sprint
Suction and Filter System	2 piece Suction and Filter System Kemper
Mobile Compressor	2 piece Mobile Compressors (Kaiser, Atlas Copco)



Radial Drill 1600x800

Milling Machine 1300x800x400

ZMM 3000xØ580

KD280-8660

10 ton Overhead Crane



CNC DIVIZOR Ø500-6000mm

KENT 6200-2700mm

FEMCO 3000-1800mm

Screw Lathe 12000xØ2000



QUALITY MANAGEMENT

Quality is not a question for us.

Here we see the greatest potential for steel construction in the area of Industry 4.0.

In our halls we manufacture steel constructions according to DIN EN 1090 to EXC 1-4 for load-bearing components. Furthermore, we meet the welding quality requirements according to DIN EN 1090 and DIN EN ISO 3834.

Our experienced welders receive regular training. The self-monitoring of our production is decisive for the quality and a central part of our production and assembly.

- ISO 9001:2015 Quality Management System
- ISO 14001:2015 Environmental Management System
- ISO 45001 Occupational Health and Safety Management System
- ISO 50001 Energy Management System
- ISO 10002: 2004 Customer Satisfaction Management System
- ISO 27001 Information Security Management System
- ISO 22301 Business Continuity Management System
- ISO 28000 Supply Chain Security Management System
- ISO 31000 Risk Management System
- EN3834-2 Quality Requirements for Fusion Welding of Metallic Material
- EN 1090-2 Conformity of Factory Production Control
- EN 1090-1 Welding

“We are committed to providing quality services and products. We will, as a corporation and as individuals, meet the mutually agreed-to Requirements the first time and strive for continuous improvement of our work processes.”



Quality
We provide high-quality services and products. We meet requirements the first time and strive for continuous improvement.

Our pillars of quality assurance:

- Integrated QS Management System
- Own Production Monitoring Including Corrosion Protection
- Continuous EDP-Supported Tracing
- Factory Manufacturing Construction Method
- Field Assembly and Manufacturing Construction Method
- Control Forms

We supply below listed quality control documents:

- ITP (Inspection Test Plan)
- WPS (Welding Procedure Specification)
- PQR (Procedure Qualification Record)
- WPQ (Welder Performance Qualification)
- NDT - Non-destructive testing's (VT, PT, MT, UT, RT)
- Destructive testing's (Tensile Test, Bend Test, Hardness Test, Macrostructure Examination, Microstructure Examination, Chemical Analysis Test)
- Measurement controls (Total station, Nivo, Teodolite)

The quality equipment's we use are operated by FORUS certified staff and calibrated as per EN 17025 by accredited labs.

In cooperation with recognized institutes, we carry out tests, including the necessary test setups (sound and fire protection), if required.

Our services comprise of front-end engineering design, basic design, layouts, P&IDs, detail design, fabrication detailing etc. by implementing the latest codes & project specification.

Tracking Pieces with Piece Marks



Project Progress Verification



Project Progress Report

Item	Qty	Spec	Unit	Price	Value	Status
1001	1	W 14x730	SPS	1,200,000	1,200,000	1,200,000
1002	1	W 14x730	SPS	1,200,000	1,200,000	1,200,000
1003	1	W 14x730	SPS	1,200,000	1,200,000	1,200,000
1004	1	W 14x730	SPS	1,200,000	1,200,000	1,200,000
1005	1	W 14x730	SPS	1,200,000	1,200,000	1,200,000
1006	1	W 14x730	SPS	1,200,000	1,200,000	1,200,000
1007	1	W 14x730	SPS	1,200,000	1,200,000	1,200,000
1008	1	W 14x730	SPS	1,200,000	1,200,000	1,200,000
1009	1	W 14x730	SPS	1,200,000	1,200,000	1,200,000
1010	1	W 14x730	SPS	1,200,000	1,200,000	1,200,000
1011	1	W 14x730	SPS	1,200,000	1,200,000	1,200,000
1012	1	W 14x730	SPS	1,200,000	1,200,000	1,200,000
1013	1	W 14x730	SPS	1,200,000	1,200,000	1,200,000
1014	1	W 14x730	SPS	1,200,000	1,200,000	1,200,000
1015	1	W 14x730	SPS	1,200,000	1,200,000	1,200,000
1016	1	W 14x730	SPS	1,200,000	1,200,000	1,200,000
1017	1	W 14x730	SPS	1,200,000	1,200,000	1,200,000
1018	1	W 14x730	SPS	1,200,000	1,200,000	1,200,000
1019	1	W 14x730	SPS	1,200,000	1,200,000	1,200,000
1020	1	W 14x730	SPS	1,200,000	1,200,000	1,200,000
1021	1	W 14x730	SPS	1,200,000	1,200,000	1,200,000
1022	1	W 14x730	SPS	1,200,000	1,200,000	1,200,000
1023	1	W 14x730	SPS	1,200,000	1,200,000	1,200,000
1024	1	W 14x730	SPS	1,200,000	1,200,000	1,200,000
1025	1	W 14x730	SPS	1,200,000	1,200,000	1,200,000
1026	1	W 14x730	SPS	1,200,000	1,200,000	1,200,000
1027	1	W 14x730	SPS	1,200,000	1,200,000	1,200,000
1028	1	W 14x730	SPS	1,200,000	1,200,000	1,200,000
1029	1	W 14x730	SPS	1,200,000	1,200,000	1,200,000
1030	1	W 14x730	SPS	1,200,000	1,200,000	1,200,000
1031	1	W 14x730	SPS	1,200,000	1,200,000	1,200,000
1032	1	W 14x730	SPS	1,200,000	1,200,000	1,200,000
1033	1	W 14x730	SPS	1,200,000	1,200,000	1,200,000
1034	1	W 14x730	SPS	1,200,000	1,200,000	1,200,000
1035	1	W 14x730	SPS	1,200,000	1,200,000	1,200,000
1036	1	W 14x730	SPS	1,200,000	1,200,000	1,200,000
1037	1	W 14x730	SPS	1,200,000	1,200,000	1,200,000
1038	1	W 14x730	SPS	1,200,000	1,200,000	1,200,000
1039	1	W 14x730	SPS	1,200,000	1,200,000	1,200,000
1040	1	W 14x730	SPS	1,200,000	1,200,000	1,200,000
1041	1	W 14x730	SPS	1,200,000	1,200,000	1,200,000
1042	1	W 14x730	SPS	1,200,000	1,200,000	1,200,000
1043	1	W 14x730	SPS	1,200,000	1,200,000	1,200,000
1044	1	W 14x730	SPS	1,200,000	1,200,000	1,200,000
1045	1	W 14x730	SPS	1,200,000	1,200,000	1,200,000
1046	1	W 14x730	SPS	1,200,000	1,200,000	1,200,000
1047	1	W 14x730	SPS	1,200,000	1,200,000	1,200,000
1048	1	W 14x730	SPS	1,200,000	1,200,000	1,200,000
1049	1	W 14x730	SPS	1,200,000	1,200,000	1,200,000
1050	1	W 14x730	SPS	1,200,000	1,200,000	1,200,000

Initial Inspection/Progress Check-in Notes:
 Project is progressing through the shop at all stages - PH1 project sheet confirmed at:
 - Stored/Purchased CTL
 - Fitting Lines
 - Welding Lines
 - Plant Area
 - Trailer Loading
 - Trailers Ready to Ship
 - Spot checks to verify piece numbers against approved assembly/part drawings at site
 - Workmanship appears good, clean holes, good welds w/ no inclusion
 - 40 Tons trained (23% PH1/B2) and ready, approx. 80 tons through the line (43% PH1/B2)
 - Travel logs available and verified against part/assembly drawings, attached
 - Fabrication started a week ago
 - Aouren formal 3rd party inspections recently completed on trawler loads (inspection reports not at shop, direct email to the party who engaged them)
 - 1 other project was progressing through the shop concurrently, does not appear to be competing for priority (both projects are well distributed through the production line, no bunching)
 - Slot keys matching specs.

TECHNICAL



THE SOFTWARE PROGRAMS USED ARE:

- ❑ TEKLA Structures (Building Construction, Steel Bridge Construction)
- ❑ Advance Steel Construction (Steel Bridge Construction)
- ❑ AutoCAD (Facade Planning)
- ❑ Rstab (Structural Engineering)
- ❑ RFEM (Bridge Structures)

In cooperation with recognized institutes, we carry out tests, if required. In our projects, experienced specialists work hand in hand on an interdisciplinary basis and are always available as competent contact persons. FORUS is already able to meet a large part of the requirements that will be indispensable in the context of BIM projects (Building Information Modelling) in the future. Here we see the greatest potential for steel construction in the area of Industry 4.0.

In our halls we manufacture steel constructions according to DIN EN 1090 to EXC 1-4 for load-bearing components. Furthermore, we meet the welding quality requirements according to DIN EN 1090 and DIN EN ISO 3834. Our experienced welders receive regular training. The self-monitoring of our production is decisive for the quality and a central part of our production and assembly.

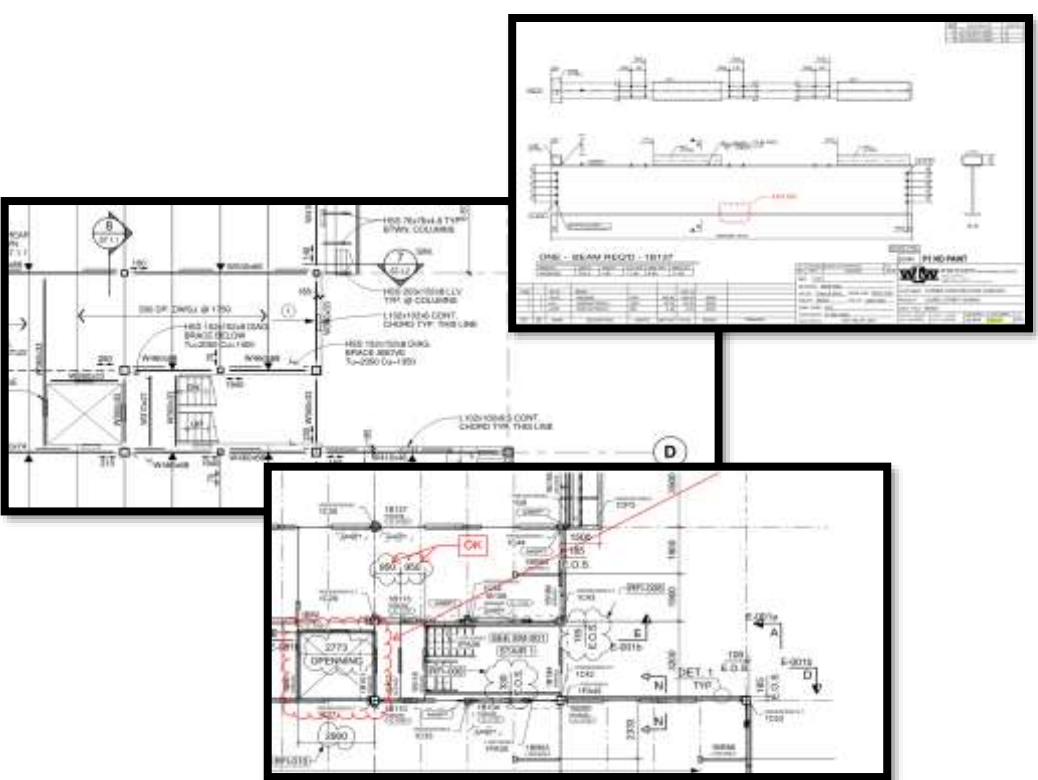
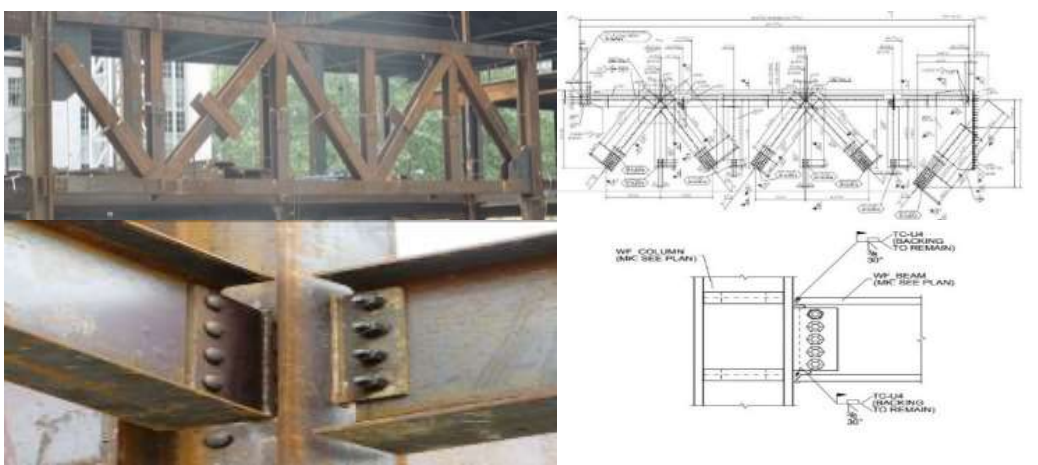
DESIGN

FORUS is specialized in providing Steel Plant & Equipment, In-Plant design & engineering services of complete mechanical design.

Generally Include:
Plan of the area, division, phase, zone, etc.

Typical connection details
General notes relative to erection sequence, aids, bracing and more

The Concept of a Piece and a Piece Drawing



INNOVATION & TECHNOLOGY

Innovation Through inventive processes and unique solutions, we provide unmatched value to our customers.

Building Information Modeling (BIM)

The construction industry is undergoing fundamental change, not unlike the advent of lean manufacturing in auto-making in the 1980s. A revolutionary tool called Building Information Modelling, or BIM, is the reason. BIM is rapidly transforming complex building processes—speeding project completion, lowering costs and improving overall quality at the same time.

We want clients to understand the enormous benefits BIM can offer and prepare themselves to embrace this marvellous new technology.

Digital Innovation

From design to assembly: Innovative digital technologies support our processes and machines.

Increasingly demanding constructions are accompanied by increasing requirements Efficiency, quality, precision.

We at FORUS decided early on not only to rely on high-performance machines, but also on innovative, digitally controlled processes. With the decision to set up a digital infrastructure for production control and production support, we are already on an equal footing with the challenges of the future.

Modelling

We now usually work with a 3D model. The model is visualized on the computer. You can rotate the model, pick up coordinates and carry out a collision check. Everything else is then derived from the 3D model: drawings, of course, but also, for example, parts lists for calculation or purchasing.

The model not only facilitates the preparation of all necessary documents for our departments and the customer. The model enables the simulation and testing of all production-related aspects.

Planning & Purchasing

When the Steel Construction and Machinery manufacturing is constructed, the necessary materials are compared with the existing conditions. The resulting evaluation forms the basis for production planning and purchasing.

Which sheets and in which quality must be ordered?
 What effort for cutting and processing must be calculated?
 Which production sequence is to be observed - and how does this relate to other projects running at the same time?

The Components

During work preparation, the individual components are removed from the model and prepared as NC data for cutting. A distinction is made between the desired final state of the component and the intermediate state in production, for example by taking into account milling allowances or heat allowances.

However, the data package for a component not only contains geometric information for controlling the processing by the machine; the production line is also controlled digitally. As part of the work preparation, it is defined which machines the component should run through and in which order.

Manufacturing

NC and CNC data for the components to be manufactured are in the network to which the various machines are connected. Processing machines such as milling machines or spinning portals are thus directly supplied with the necessary data.

The goal when using digital models is clear: the interaction between locksmiths, welders and, for example, CNC milling machines should be more effective and precise. The speed of the welding portal or milling machine has multiplied in recent years - also because manual controls have been replaced by automation.

The Measurement

We measure individual segments with millimetre precision. This is only possible with digital devices.

Digital By Design – Innovation Digitally Controlled

At FORUS Industry, we simulate the final state on the construction site long before assembly. This enables us to produce with foresight and react effectively to any deviations that occur at any time. As part of quality assurance, we work with innovative digital technologies in every production step - from work preparation to preservation. *Whether internal property management, maintenance or controlling:* the basis of our work is increasingly digital data, which enables efficient processes and innovative methods.

Lean Vision

BENEFITS OF LEAN

Lean is focused on eliminating waste through continuous improvement and respect for people.

At FORUS, we see things differently. While many believe lean thinking only applies to manufacturing, that lean it is just a set of tools, or that it is a new label for what we have been doing for years. However, FORUS is adapting lean methodologies used in some of the most progressive and successful companies to the Steel Construction and Machinery industry. To support our focus on continuous improvement and value, FORUS leverages reliable production planning in alignment with our schedule commitments.

FORUS implements target value design, visual management, robust BIM, off site construction, and fact-based problem solving to deliver the best solutions for our clients.

“Lean maximizes customer value by eliminating waste through continuous improvement and respect for people.”

Effective industrial maintenance services keep the cogs turning.



Lean is NOT:

- Only a “manufacturing” program
- What we have done for years, just called something different.
- A set of tools
- A schedule reduction method
- A cost cutting method
- A recovery system or quick fix.



Lean IS :

- Addressing problems at the point of occurrence.
- A people development system, with continuous coaching.
- Focused on continuous improvement.
- Built around respect for people.
- A long journey.



Definition

5S is a process of visual control that helps reduce waste and improve productivity through standardizing the workplace. 5S methodology results in a clean, safe, and organized work environment.

• Lean Principles Institute



THREE TYPES OF WORK IN EVERY TASK



• Anytime you run the processes without the waste, you are not adding value to the product, which is not what the customer wants.

• There is a specific, real reason - it helps in resolving customer within the system.

• Most of the customer need sources of resolving problems, plant manager needs, average customer need to resolve.

References



Fabrication and module construction solutions to improve capital efficiencies for complex projects.



Contact Information

Contact us to learn more!

How Can We Help?

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