

Power to change the
global landscape.



We deliver precise solutions with competitive prices for unique customer requirements! From planning to production everything from one source.



**PRECISE, POWERFUL,
CUSTOMER-ORIENTED.**

STEEL IS EVERYWHERE.

We specialize in planning, manufacturing, logistics and assembly of steel structures of bridges, building construction and plant structures and of hydraulic steel structures.

STEEL IS A CHALLENGE.

In addition to the classic steel construction, our strengths are heavy structures with special precision and load-bearing capacity requirements. We deliver reliable, approved quality while ensuring high adherence to deadlines.

PROJECT MANAGEMENT,
QUALITY ASSURANCE,
CONSTRUCTION,
MANUFACTURE,
LOGISTICS AND ASSEMBLY: everything from a single source,
made by experienced specialist staff on modern machinery.

CERTIFICATES





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.

Steel is an integral part of construction. Today, "modern architecture" likes to use steel construction, since the high strength of the steel enables economical constructions and large spans. We would be happy to advise you and inform you about our services and steel constructions. From an ecological point of view, steel is also a multi-talent among building materials, as it can be recycled indefinitely without any loss of quality.



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.

PROJECT MANAGEMENT

INDUSTRY THAT WE SERVICES

- ❑ 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

Our project managers are your reliable points of contact in all project phases from the start of the project to its completion.

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

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

PLANT CONSTRUCTION

- ❑ **Power Plant Construction;** Boiler, Bunker, Air Heater Scaffolding, Supporting Steel Work
- ❑ **Steel And Rolling Mills;** Steel Construction For Foundries And Blast-furnaces, Coking Plants, Etc.
- ❑ **Conveying Plants;** Raw Material Conveying/Transport For Open-pit Mining, Open-pit Mining Equipment
- ❑ Platforms For On-shore/Off-shore Raw Material Extraction
- ❑ Tank & Apparatus Construction, Pressure Tank- & Equipment, Atmospheric Tanks, Vacuum Tanks,
- ❑ Dryers, Chimneys, Converters,
- ❑ Reactors, Steam Heaters, Ovens,
- ❑ Cyclones, Silos & Bunkers, Boilers,

STEEL PLANT & EQUIPMENT CONSTRUCTION

- ❑ Vaporizers, Mixers, Catalysts, Separators, Sieves, Elevators,
- ❑ Conveyors (Belt, Screw, Chain, Bucket, Roller, Pallet),
- ❑ Steel Pipelines & Channels, Overflow Tanks,
- ❑ Machine Chassis Manufacturing, Suction Hoods,
- ❑ Process Equipment, Storage Equipment,
- ❑ Heat Exchanger, Conveyors, Pulper Rotor, Big bag
- ❑ Unloading Unit, Big bag Cutter Blades, Resin Filter,
- ❑ Shredder Knife, Positional, Press, Cylinder Bench,
- ❑ Heat Exchangers and Condensers.



WELDING

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.

We manufacture welded components in compliance with the highest quality standards with a unit weight of up to 12 tons. Our range of services as a supplier of components includes welded constructions as individual parts or complete assemblies, which are manufactured according to the customer's drawings. Welding engineers, welding specialists and certified welders are available at all times.



MACHINING

FORUS never stop looking for fresh and innovative ways to improve the quality of their products and provide customers with the highest-quality CNC machined parts available.

Custom Machining Services

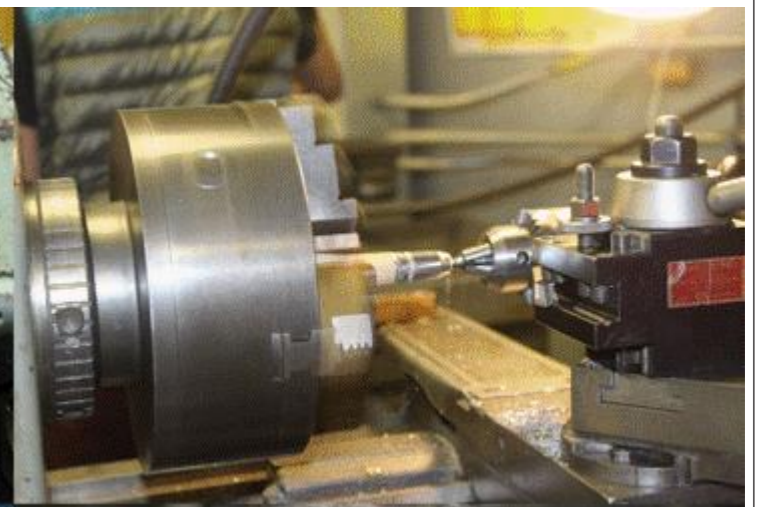
If you're looking for a machining company in FORUS that offers precise and professional workmanship, we are confident we are the right choice. Looking for a machining shop that can also act as a long-term provider for your business? We can do that too!

CNC Machinist FORUS

Your Full-Service CNC Machinist Service CNC Machining is computer numerical control machining, meaning the computer can read blueprints and create your parts more efficiently and consistently. Whether you are mass-producing parts or want a single part that is too small or complicated for manual development, CNC Machining is your best option! Contact us today to talk to one of our expert machine operators.

MACHINING PROCESSES

- ❑ Turning
- ❑ Milling
- ❑ Facing
- ❑ Drilling
- ❑ Boring
- ❑ Knurling
- ❑ Grinding



STRUCTURAL STEEL FABRICATION

SCOPE OF DELIVERY

- 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



SCOPE OF DELIVERY

Especially in metal construction, the visual requirement is often in the foreground. However, functionality and safety in accordance with the applicable DIN regulations are of equal importance. Reconciling both is the claim of our.

The services of the building metal Construction include, on the one hand, industrial metal construction services.

Also, metal construction services for private and public use.

Stairs and railings, carports, canopies, balconies - there are no limits to the execution. With our efficient and well-trained team, we implement your creative ideas in a professional, efficient and visually appealing manner.

- Machine Scaffoldings In Heavy Industry
- Components of Heavy Machinery,
- Large Equipment and Plant Construction

METAL CONSTRUCTION



STAINLESS & STEEL PIPE

SCOPE OF DELIVERY

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.



SCOPE OF DELIVERY

Experienced industrial painters carries out the factory corrosion protection in our house.

We coat in the factory by hand using the airless spraying process or using a continuous painting system.

- Sandblasting
- Paint
- Primer
- Second Coat
- Last Coat
- Galvanized

CORROSION PROTECTION



ASSEMBLY & COMMISSIONING OF MACHINES & SYSTEMS

SCOPE OF DELIVERY

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

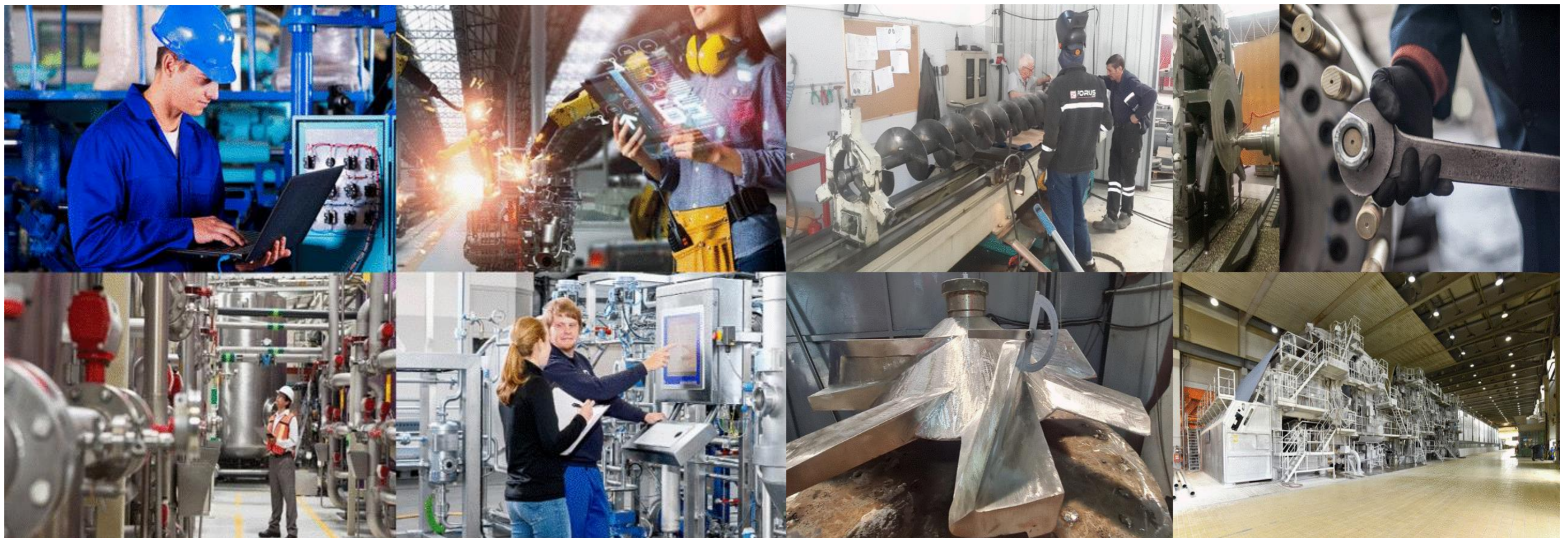
INTEGRATED MAINTENANCE

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



What Do We Do?

PRESSURE TANKS, VESSELS, TANKS & EQUIPMENT

- 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, Hopper
- Fat Melter, Fat Tank, Chocolate Tank,
- Double-Walled Tank, Tank with Deposition-Welded Heater Coils, Single-Walled Tank, Melting Tank
- Agitators, Mixing Tank, Mixer Arm,
- Filter, Plate Filter and a Lot More

SCOPE OF DELIVERY

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.



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.



HEAVY METAL INDUSTRY

FORUS'S MODULARIZATION EXPERTISE

Client business drivers supporting module design include:

- 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.

Forus' s experienced project teams assist clients in determining where and when to go modular. Our experts help clients assess their particular project design and circumstances and evaluate the merits of a modular construction strategy. Forus designs and builds modules based on project size requirements and logistics.

STEEL BRIDGE CONSTRUCTION



SCOPE OF DELIVERY

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



SCOPE OF DELIVERY

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

FACADE CONSTRUCTION



SCOPE OF DELIVERY

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 Aluminum Standing Seam Profiles
- High-Quality Aluminum 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
- Completing Trades, Such as Roof Waterproofing Made of Foil or Bitumen Membranes
- Aerated Concrete Work, Light Bands and Light Domes with RWA, Doors, Gates and Windows

SCOPE OF DELIVERY

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
- Inspection covers

HYDRAULIC STEEL CONSTRUCTION



FABRICATION & FACILITY INSTALLATION

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

The range of services offered by FORUS covers all areas of application for profile and sheet steel constructions, including industrial and chemical plant construction, power plant construction, logistics and hall construction, sports facility construction, infrastructure construction and steel bridge construction. On the basis of well-qualified employees, certified manufacturing processes and an established quality management system, we are able to meet the highest quality standards.

Fabrication is a Major Component of Forus' s Comprehensive Services.

Forus operates self-perform fabrication yards strategically located to serve global markets. As part of Forus' s integrated engineering, procurement, fabrication and construction offerings, the yards increase fabrication capability and provide certainty of outcome. Forus has the experience, with dedicated fabrication experts, to maximize the value of modular solutions.

Forus Has Access to Third-party Fabrication Yards Worldwide.

In addition to self-perform fabrication yards, Forus uses independently operated yards to provide fit-for-purpose fabrication solutions for clients' capital projects.

The experience of operating Forus-owned yards supports the effective management of these third-party fabrication yards. Forus's dedicated fabrication experts apply proven principles to meet standards on projects in diverse locations and industries.

Fabrication yard selection depends on required capacity, labor cost and productivity, proximity to project site, tax status, safety performance, vessel access and a variety of other factors.

Forus understands these issues, assisting clients in choosing the best solution.

CONSTRUCTION AND WORK PREPARATION

Construction means to us: Realisation of customer requirements according to applicable standards with highest demands for precision and economic feasibility. State-of-the-art 3D AutoCAD systems, integrated interfaces and a top qualified team ensure efficiency and quality.

MANUFACTURE

Modern machinery, highly developed vertical range of manufacture and broad range of production, comprehensive experiences: Complicated manufacturing processes also run reliably and according to plan. Quality and adherence to deadlines are ensured by quality assurance, component tracking and feedback systems and an integrated capacity planning.

LOGISTICS

An own rolled material storage and best conditions for preassembly, intermediate storage and dispatch:

We also ensure safe project work flows, adherence to deadlines, traceability and comprehensive project management from one single source in logistics.

ASSEMBLY

Assembly included.

Upon request, we are also your reliable partner for assembly.

GLOBAL FABRICATION CAPABILITIES TO MEET CLIENT NEEDS

Forus' s technical experts constantly look for ways to streamline project delivery methods. Fabrication is a proven solution to improve capital efficiencies for some of the most challenging project conditions for clients across all industries. Because modularization is not a one-size-fits-all solution, Forus works closely with each client to develop a project execution strategy that creates the best value. Forus' s integrated approach to fabrication solutions offers a range of options to fit clients' specific needs.

Forus' s extensive modular project experience and comprehensive knowledge of the engineering, procurement, fabrication, construction, and project management process result in fabrication and construction strategies optimized for cost and schedule benefits.

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



The advantages that Forus brings to fabrication projects include:

- Forus's global fabrication facilities
- Dedicated fabrication group supporting global project strategies and resources
- Advanced commodity sourcing methods and focused offsite fabrication procurement support
- Global market knowledge / Global purchasing volume
- Fabrication-driven execution / Input in design to optimize constructability
- Safety, Environmental and Quality benefits with shop fabrication
- Proprietary module optimization design processes
- Dedicated modular logistics team

Fabrication options specific to each client market include:

Offshore, Subsea, Deepwater

- Topsides / Topside Modules
- Compliant Towers
- Gravity-Based Structures
- Jackets and Hulls
- Semi-Submersibles
- Tension Leg Platforms
- Living Quarters
- Mobile Offshore Production Units (MOPUs)
- Subsea Manifolds / Modules

Onshore, Refineries, LNG, Chemicals

- Process Modules (Downstream and Upstream)
- Pipe Rack Modules
- Trestle / Jetty Modules
- Power / Utility Modules
- Enhanced Vendor Preassemblies
- Marine Terminals & Decks
- Pressure Vessels
- E-Houses / Substations

Infrastructure

- Box Towers
- Bridge Decks / Girders
- Marine Terminals & Decks

- Piers
- Power / Utility Modules

Mining & Metals

- Process Modules
- Pipe Rack Modules
- Preassembled Conveyor Modules
- Preassembled Steel Structures

Life Sciences and Advanced Manufacturing

- Process Modules
- Pipe Rack Modules
- High Purity Modules
- Modularized Buildings
- Power / Utility Modules
- Enhanced Vendor Preassemblies

Power

- Process Modules
- Pipe Rack Modules
- Transmission Towers
- E-Houses / Substations
- Enhanced Vendor Preassemblies

Commodity Fabrication

- Pipe Spool Fabrication
- Structural Steel Fabrication
- E-House / Substation Fabrication

QUALITY MANAGEMENT

FORUS Industry develops and maintains current policies, procedures and authoritative guidance documents necessary to comply with legal requirements; establish and maintain a coordinated, collaborative, efficient and effective operating environment and to promote exceptional service to our customers and strategic growth of our enterprise.

CORE POLICY

An enterprise-level policy that describes or directs corporate mission, vision, values, standards, Behaviour, processes and controls necessary to achieve strategic alignment and promote growth Throughout the enterprise.

OPERATING POLICY

Describes or directs Forus essential processes, activities and strategies - what we do, why it is important, when or how often it is done and who is authorized or responsible to do it.

PROCEDURE

Describes the methodology, processes or work flows necessary to fulfil or comply with Forus Policy.

STANDARD

Forus provides a comparative reference for the activity or work product.

“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 ASSURANCE

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

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.

INNOVATION & TECHNOLOGY

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.

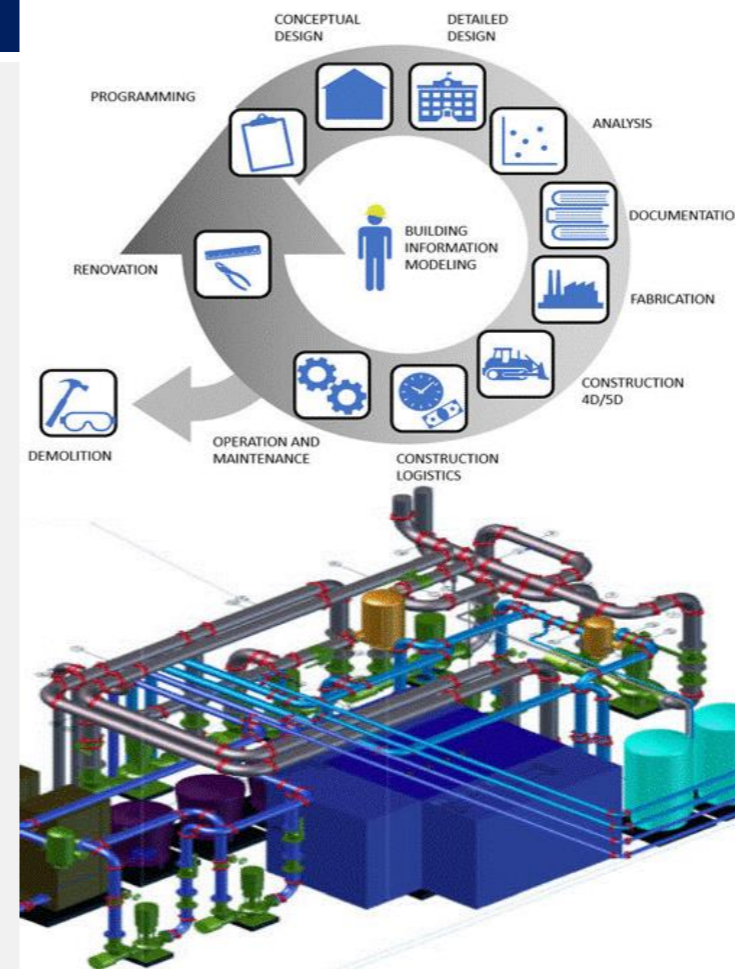
However, the data package for a component not only contains geometric information for controlling the processing by the machine; the production line is also controlled digitally. As part of the work preparation, it is defined which machines the component should run through and in which order.

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 MEASUREMENT

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



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.

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.

OUR 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

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) |



Connecting past, present, and future.

FORUS INDUSTRY is a recognized leader in the design and construction of complex steel structures and Steel Plant & Equipment Construction across the globe.

Having completed more than 4 Steel Plant & Equipment Construction around the world, we apply creative expertise to solve the most challenging issues our customers face today with a vision for the future.

Massive or modest, new or rehabilitated, our purpose in every Steel Plant & Equipment Construction is to carry safely with sound engineering and exceptional style.

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





FORUS

INDUSTRY

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