

Lykomitros
STEEL Constructions

steel S.A
tel.: 24210 96739

A reliable trusted partner

LYKOMITROS STEEL is a trusted member of the steel constructions world market.

We implement demanding projects:

- **Oil & Gas.** Onshore – offshore, platforms, desert rigs.
- **Civil Engineering:** Buildings, airport facilities, sports facilities, shopping malls, hospitals, logistic centers, parking facilities & special projects
- **Infrastructure:** Road –railway bridges
- **Energy:** Power plants, oil & gas projects
- **Industrial:** Material handling (conveyors), gantry cranes





Proven track record of on-time and within the budget projects

LYKOMITROS STEEL- founded in 2006- is continuously expanding, implementing numerous projects in the domestic and global market.

We collaborate with some of the biggest construction companies globally and about 80 to 90% of turnover comes from export activity.

Our company delivers with the highest quality standards: we are a customer-oriented organization placing satisfaction at the core of our business decisions and project making.



TUV HELLAS
Member of TUV NORD Group

CERTIFICATE

Management system as per
EN ISO 9001 : 2008
Quality Management Systems - Requirements

In accordance with TUV HELLAS (TUV NORD) S.A. procedures, it is hereby certified that

LYKOMITROS STEEL S.A.
Ano Spartia, Sesklo Magnisias
385 00 Volos
Hellas

applies a Management System in line with the above standard for the following scope

Fabrication and Installation of Steel Constructions.

Certificate Registration No. 041130106
Audit Report No. E-2007/2013

Valid until 2016-06-27

TUV HELLAS (TUV NORD) S.A. Certification Body

Athens, 2013-06-28

This certification was conducted in accordance with the TUV HELLAS S.A. auditing and certification procedures and is subject to regular surveillance audits.



Certified excellence: exceeding international standards

Special attention is paid on every project detail – we consistently implement projects meeting the highest quality standards.

The company is certified with S690QL1 material fabrication certificate and:

- **ISO 9001:2008:** Design, construction and installation of metal constructions.
- **EN 1090-1-2:** EXC 4 (Execution class up to 4) of steel structures and aluminum structures – **quality level prerequisite for C.E.**
- **ISO 3834-2:** Quality requirements for fusion welding of metallic materials.





TUV HELLAS
Member of TÜV NORD Group

EC CERTIFICATE OF FACTORY PRODUCTION CONTROL
Nr.: 0654-CPD-0150

In compliance with Council Directive 89/106/EEC of 21 December 1988 on the approximation of laws, regulations and administrative provisions of the Member States relating to construction products (the Construction Products Directive or CPD), as later amended, it has been stated that the construction product

Manufacturing of steel structural components class EXC4 (acc. to EN 1090-2) and welding with processes 111, 121, 123, 135, 136, 783 and basic materials S235 - S355 & stainless steels X6CrNiMoTi17-12-2 (responsible welding coordinator Mr. D. Pitteris) as per Annex which is integral part of this certificate

placed on the market by

LYKOMITROS STEEL SA
ANO SPARTIA
385 00, SESKLO MAGNISIAS, GREECE

and produced in the factory

LYKOMITROS STEEL SA
ANO SPARTIA
385 00, SESKLO MAGNISIAS, GREECE

is submitted by the manufacturer to the initial type-testing of the product, a factory production control and to the further testing of samples taken at the factory in accordance with a prescribed test plan and that the notified body No. 0654 - TÜV HELLAS S.A. has performed the initial inspection of the factory and of the factory production control and performs the continuous surveillance, assessment and approval of the factory production control.

This certificate attests that all provisions concerning the attestation of factory production control described in Annex ZA of the standard(s)

EN 1090-1:2009+A1:2011

This certificate was first issued on 27.06.2013 and remains valid as long as the conditions laid down in the harmonised technical specification in reference or the manufacturing conditions in the factory or the FPC itself are not modified significantly and latest till 26.06.2016.

Date: 27.06.2013




TUV HELLAS
Member of TÜV NORD Group

ANNEX OF EC CERTIFICATE OF FACTORY PRODUCTION CONTROL
No. 0654-CPD-0150 dated 27-06-2013

WELDING CERTIFICATE

According to EN 1090-1, table B.1, the following data form a Welding Certificate which is an annex to the EC Certificate of Factory Production Control 0654-CPD-0150.

Manufacturer	LYKOMITROS STEEL SA
Factory	ANO SPARTIA 385 00, SESKLO MAGNISIAS, GREECE
Standard	EN 1090-2:2008+A1:2011
Execution classes	Up to EXC 4 according to EN 1090-2:2008+A1:2011
Welding process(es)	111, 121, 123, 135, 136, 783
Basic material(s)	S235, S275, S355, X6CrNiMoTi17-12-2
Responsible Welding Coordinator	D. G. PITTERIS (EWI)
Valid since	27/06/2013



P. DAFNIS
INSPECTOR





CERTIFICATE

This is to certify that the company

LYKOMITROS STEEL SA

10 Km Volos - Larissa
38500 Ano Spartia/Sesklo, Greece

has been verified and recognized
as welding workshop in product range of

steel structures

based on the requirements of the standard

EN ISO 3834-2 (EN 729-2)

Certificate No: TH-160/13
TUV HELLAS Order No: 02.10.37

The range of validity and details of the inspection can be seen in our

Report No.: TH-160/13

(This certificate is valid in conjunction with the Report mentioned)

The company is using a quality assurance system,
technical equipment, qualified personnel and procedures for joining processes
for manufacturing and testing of welded products

This certificate is valid until 29.03.2016

Place, Date
Responsible for Certification



Thessaloniki, 29.03.2016
P. DAENIS
Manager Industrial Inspections
Thessaloniki & Thessalia Offices

Headquarters
TUV HELLAS (TUV NORD) S.A.
262, Mesogeion Av. 150 62 Chalaros - Greece
Phone: +30-210-6240195 Fax: +30-210-6228025
info@tuehellas.gr - www.tuehellas.gr





Volos: a historic industrial town

Our factory is situated in the outskirts of Volos, Greece.

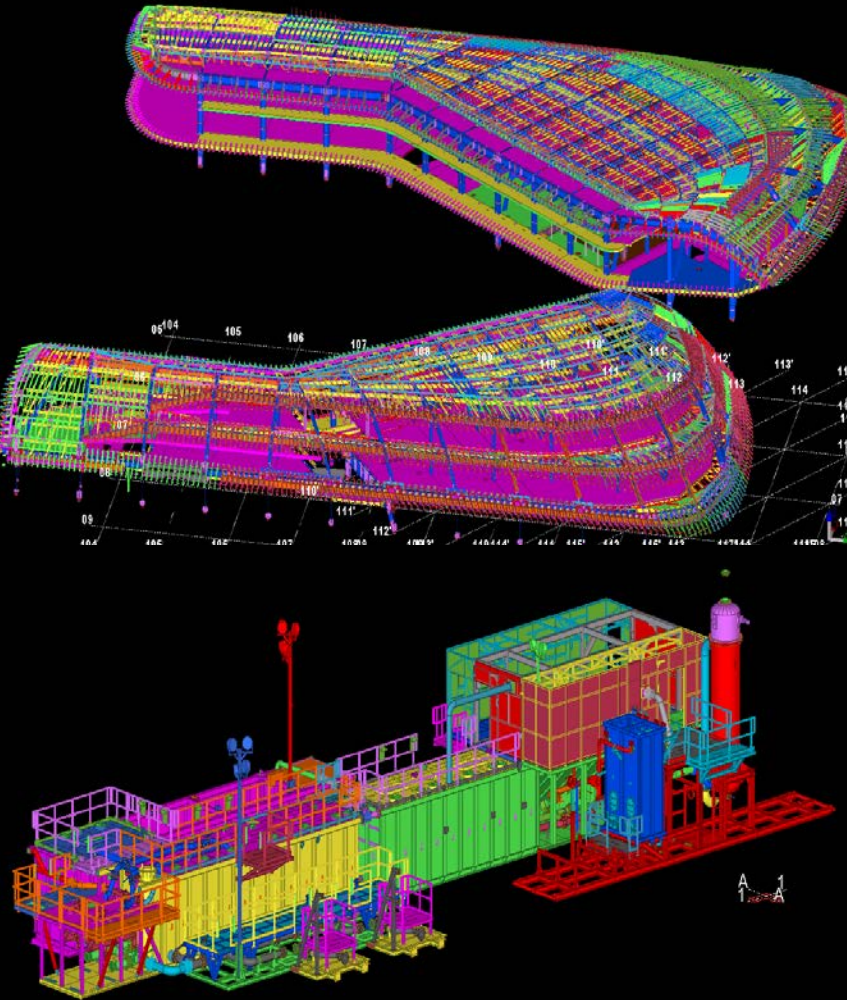
The strategic location of our facilities enables us to provide high quality logistic services. The distances from our factory, **are 9 km from the Port of Volos** and **12 km from the airport**, while road transport (national highway) is 1km away.

The city of Volos combines the allure of the sea with mystical mountain charm - it is a coastal port city in Thessaly situated midway on the Greek mainland, about 326 km north of Athens and 215 km south of Thessaloniki. With population of 150,000 Volos is an important industrial centre, while its port –Greece’s 3rd largest- provides a bridge between Europe, the Middle East and Asia.



We honor our customer's trust by implementing projects without any discount on the quality standards.

- **Engineering - Design**
- **Fabrication**
- **Installation**



Engineering - Design



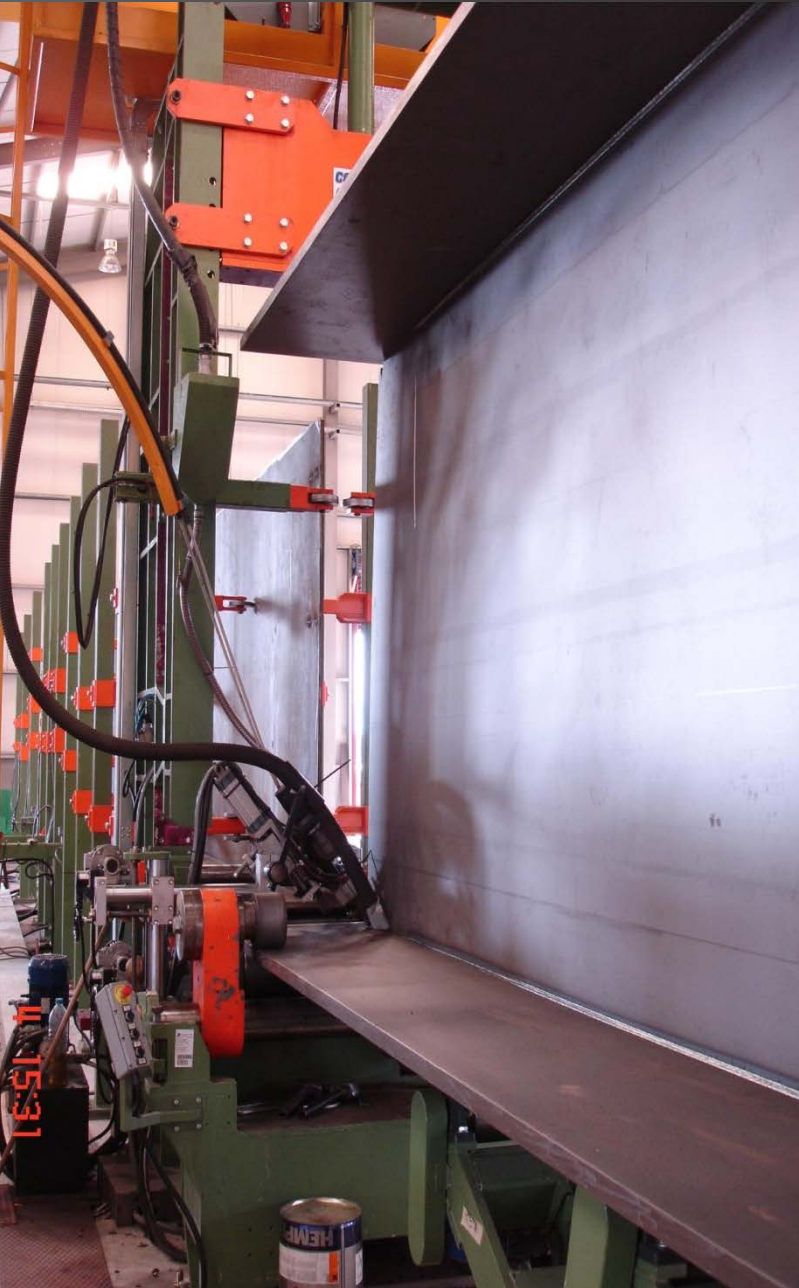
Design is performed by LYKOMITROS STEEL qualified & experienced designers using the Building Information Modeling software TEKLA, SAP, RSTAB.

With TEKLA, Lykomitros Steel structural engineers are enabled to create accurately detailed, highly constructible 3D structural models - regardless of material or structural complexity as follows:

- Detail Design (static calculations)
- Design of bolt connections (nodes)
- Design 3-D model in Tekla software in order to prepare shop-installation drawings (BIM)

A complete package of all the structural drawings (as built) -including all details - is at the customer's disposal before and after the start of fabrication.

After the client's approval, the software provides Data output for CNC machines, thus eliminating human error during the industrialization of the project.



Fabrication

Our chartered engineers – with the overall supervision and coordination of the project - are specialized in building and bridge steel constructions.

Fabrication and welding is in accordance with the highest international standards and all phases are monitored by our established quality systems.

A quality plan is formed and it is submitted to the client for approval. During the programming of the material cutting and the assembly, dimensional tests take place.

All welds are performed by qualified welders (EN287-1) with semi-automatic MAG welding machines, according to the project's specifications and tolerances. The assembly of custom cross section beams (main girders and connection beams), is executed on the automatic welding machine (height 3,3 m x width 1,25m) following by the weld of the machine to the desired welding thicknesses. The pre-camber of the main of the cross section beams (whenever it is necessary) is going to be given by their web which is going to be cut to the exact figure. The flanges of the cross section beams through the use of the welding machine's vertical pressure application will follow the web and give the desired pre-camber. The transversal hydraulic plungers will ensure the verticality of the web to flange welds avoiding any distortions during this process. Dimensional and visual inspection follows up after the weld according to DIN 18800-7, EN 1011-2, DIN EN 1090-2 (D2 Class 2), Assembly Procedure (OE_3) and Assembly Parts Application Instruction.





Installation

The method of installation is studied and planned per project.

LYKOMITROS STEEL's installations are executed in a safe, economical and efficient manner.

Installation is performed by specialized skilled work force with all required mechanical means (cranes, aerial platforms etc.). Senior Lykomitros engineers supervise the whole process throughout.

Lykomitros Steel S.A. preparing method statement for erection and a lifting plan of erection before the installation of the project.





Safety comes first!

Throughout our experience, there are some general practices that have been proven sound over the years:

- The structures must be planned to be unloaded and arranged close to erection points.
- Cranes are only released when all connection bolts are inspected for their tightness.
- All erector staff attends induction training prior to commencing work, where the supervisor engineer analyzes the project hazards and risks.
- PPE equipment is provided and its use is compulsory. In case of required roofing works safety nets are installed.
- A meeting is held at the start of every shift to analyze the work to be done, the hazards involved and the control measures in place to manage risks.
- Our company applies a strict safety policy in the framework for in-factory as well as external work operations.
- Lykomitros Steel S.A. has product and public liability insurances concerning all scope of works and cycle plant operations.

Capacity to deliver scale projects

LYKOMITROS STEEL maintains modern facilities, with a total area of 40,000 m², 13,500 m² are covered.

The facilities include:

- Automatic sand blasting machine (pre-heating sand blasting - painting system) with width of 2,50 meters
- Covered assembly area used for the assembly of structures
- Closed Painting section (Coating area)
- Storage area of 2,000 m² for ready-painted products
- CNC Machines
- Assembly – Welding – Painting area
- Mock up area (pre assembly for domes, rigs and tank systems)



The Production Capacity is up to **1,500 tons per month** in normal shift hours and the crane lift capacity per room is 100 tons.

The company's units use state of-the-art equipment and follow the most advanced methods of quality control. We number **170 FTE employees**, aiming to reach 200 in the near future, of whom 25 are in management & administration and the rest work in production.

State of-the-art equipment



Function	Capability
Cross- Section Beam Operator	Equipment for the construction of cross beams
Automatic Submerged Arc Welding Machine	Welds plates and tubes regardless of the quality of the material
Drilling System V630	Three separate controlled drilling units - Can be equipped with feeder rolls or feeder truck - Designed for big size fabricators
CNC Cutting Corridor VB1050	Automatic cutting-piercing beams – automatic drilling carbide
Plate punching & Drilling System V250	V250 Plate punching machine
Punching & shearing System V550	Infeed system, suitable for flat and angle steel with a length up to 15m
CNC Cutting Machine ESAB	Oxygen – Plasma cutting machine for plates up to 200 mm
HACO Hydraulic Guillotine Shear	HACO Shear 12mm x 3000 mm
HACO Hydraulic Press Break	220 t Press Break with useful load 3600 m HACO House
Boring Machine	VEB UNION GERA, “FRITZ HECKERT” GBFKF150/1 Tischbohrwerk
Cylinder	BIKO 3-HCD
Bender – Pressing Machine - Pipping	Bending – Pressing and oxygen cutting machine
Lathe	TOS CELAKOVICE SN55
Crane Bridges	ABUS DONATI: Lifting capacity: 3.2t – 10t – 20t – 32t
Fork Lifts	COMBLIFT: Lifting capacity: 5t – 10t

Dynamism and Development

The demand of global steel construction projects is increasing in size and complexity.

We are well positioned to reciprocate our customer's trust, by implementing projects with the highest quality standards, on time and within the set budget.

We have successfully implemented challenging projects in many countries: Bridge projects, Duct Works, Power Plants and Oil & Gas Projects.



We commit ourselves in the design, fabrication and installation of Projects in the fields of:

Bridges



Power Plants



Oil & Gas
Tank Systems
Substructures
















Oil and
Desert Rigs



WorldWide Projects

LYKOMITROS STEEL S.A.

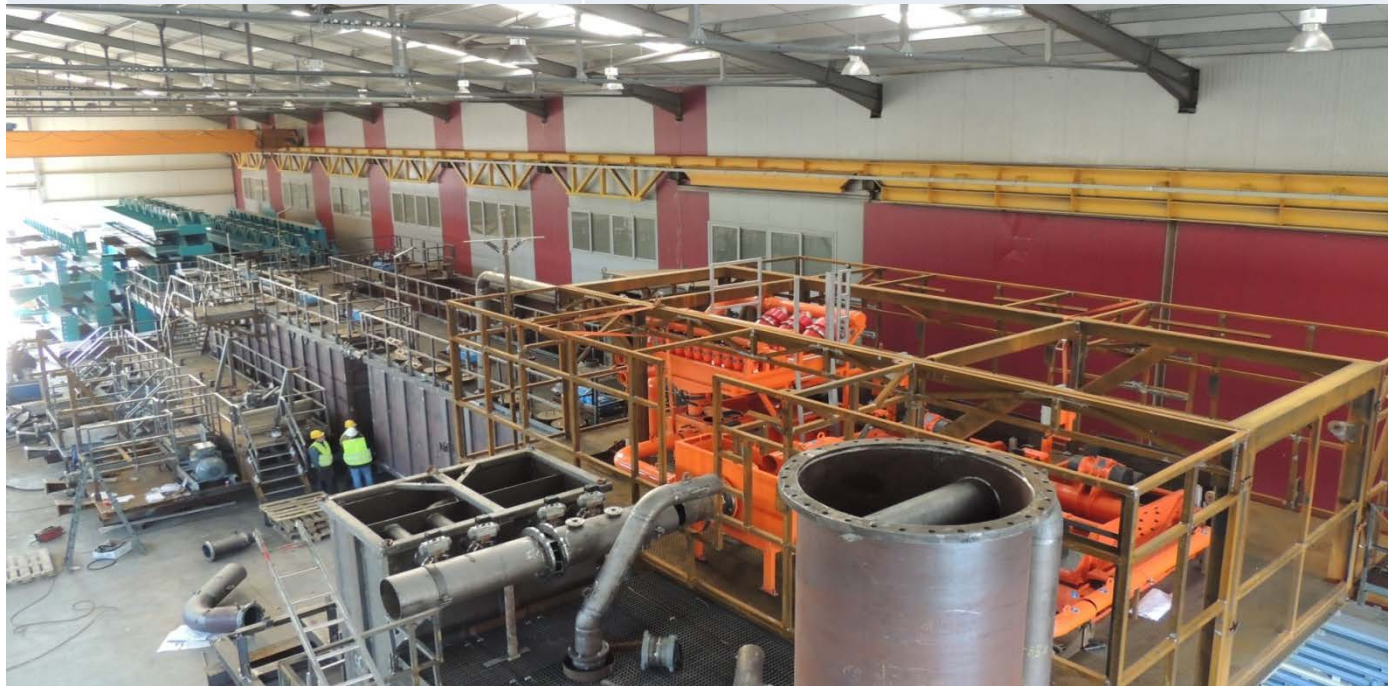
Project Location		Customer	Description	Quantity (tons)
Germany		Contractor: Taim Weser: GmbH Owner: E.ON Kraftwerke GmbH	Fabrication of steel structures: Bridge Towers and Belt Conveyors	5.500
Germany - Algeria- Europe		Bentec GmbH	Onshore Platforms: Mud tank Farm	3.500
Syria		Metka SA	Design, Fabrication of Steel Structures: Gt Building, Main Pipe Rack, Gas Receiving Station Building and Electrical Control Building, Water Pretreatment Building – Formworks	3.000
Algeria		SNG Sonal Gas-Metka SA	Design, Fabrication of Steel Structures: Gt Building, Main Pipe Rack	3.000
Nigeria		Star Trading LTD	Design, Fabrication of steel structures: Buildings- Piper Racks	1.500
Oman		Bentec GmbH	Desert Rigs: Substructures	1.400
France		Se -Austria GmbH	Steel Roof For Shopping Center	1.000
Greece		Vinci Constructions Grand Projects SAS	Designing, Fabrication and Erection: Double Span Steel Bridge 130 m	980
Russia		FLS midth	Fabrication: Belt Conveyors	700
Qatar		JV: Aktor Sa/Al Darwish WLL/ Cimolai/Cybarco	New Doha International Airport/ Backup Approach and Training Centre	300
Jordan		Elemka SA	Pipe Rack: Designing, Fabrication	150
Spain		Bygging Uddemann AB	Steel Constructions	110
Turkey		Bygging Uddemann AB	Construction of Guide Towers – Guide Rails and skidshoe for the project: Third Bosphorus Bridge	80

Customer	BENTECH GmbH
Location	- Western Europe -Algeria -Sultanate of Oman for B.P. Global
Quantity	400 tns
Technical Characteristics	-Mast and Substructure Systems
Scope Of Works	-Fabrication -Special Transportation -Mock up installation on Lykomitros S.A. facilities with kinematic test





Customer	BENTEC GmbH
Location	- Algeria, 10 sets of Mud Tank Farm -Czech Republic , 1 set of Mud Tank Farm
Quantity	3.500 tns
Technical Characteristics	-Onshore Platforms, 70 – 90 m ³ per tank
Scope Of Works	-Fabrication -Special Transportation -Mock up fully workable















Letter of recommendation

Dear Mr. Lykomitros,

Please accept this letter as our personal and professional endorsement of Lykomitros Steel S.A as an outstanding business partner to Bentec GmbH.

Bentec is one of the leading manufacturers of drilling rigs and oilfield equipment worldwide based on more than 125 years history and vast experience .

Since beginning of 2013 Lykomitros Steel S.A. is our supplier for steel structure construction. They handled the following , successful projects for Bentec over the last 2 years:

- 4x Mud Tank System for Project DR523-DR526
- 1x Mud Tank System for Project Euro Rig 10
- 3x Substructure for Project DR527-DR29
- 5x Mud Tank System for Project DR530-DR536

We have found a company to be world class in many ways . Their representation has always been fair, courteous and above all, professional in every respect.

Lykomitros Steel SA partnership with us is exemplary of the model to which we would like all suppliers to aspire .

Best Regards,

Bentec GmbH Drilling & Oilfield Systems
Purchasing & Supply Management

Sebastian Fietz

Purchasing & Supply Manager

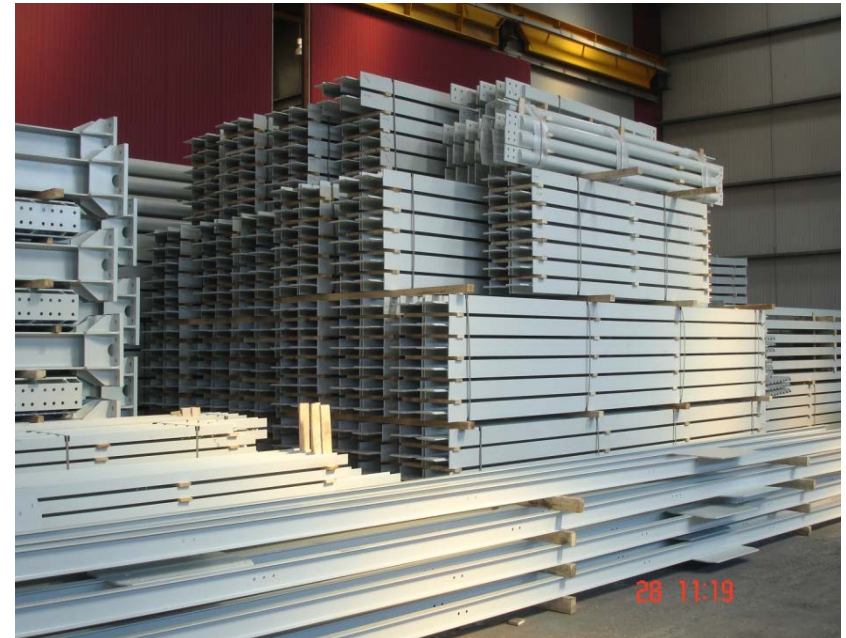
Bentec GmbH Drilling & Oilfield Systems
Lohmühlstrasse 1
48153 Oed Dentheim
Germany

For the packing:

- Chocks and packaging corners are placed between the structures in order to eliminate collision
- The structures are wrapped with protective cell air
- Metallic galvanized special strips are covering the package



Storage,
ready
package
for
loading



By Truck



By Vessel



Partnerships with the best

We work closely with our global partners, to understand unique project needs and develop tailored proposals to specific market demands.

Our global network is supported by some of the biggest construction companies: in Greece, among others, we have implemented projects with AKTOR, METKA & TERNA, while abroad with E.ON, BENTEC & TAIMWESER, SEELE, FLSMIDTH, BUGGING - UDDEMANN.

Our partners are key to our development and success - working together we create value and provide end-user customers with highly competitive solutions.



GRANDS PROJETS

seele



FLSMIDTH



METKA

TERNA S.A.
GEK TERNA GROUP



LYKOMITROS STEEL S.A.

STEEL CONSTRUCTIONS ENGINEERING

Ano Spartia, Sesklo, Volos, Greece

Tel.: (+30) 2421096739 Fax (+30) 2421096729

Email: info@lykomitros-steel.gr

www.lykomitros-steel.gr