



FRANKLIN OFFSHORE EUROPE

ENGINEERING & FABRICATION

SERVICES



FRANKLIN OFFSHORE





FRANKLIN OFFSHORE

Our Commitment by Investment “OPERATIONAL EXCELLENCE”



One Quality. One Solution. One Provider.

Steel Wire Ropes • Rigging • Mooring Solutions • Engineering • Fabrication Machining
Logistics Support Base • Deep-Water Quayside

Franklin Offshore is a Global Partner for Integrated Rigging and Mooring Solutions. Primarily serving the global oil & gas industry, we have the trust of our customers to provide high quality, innovative and cost effective solutions. We have an experienced and dedicated workforce and a corporate culture that is solidly based on the principles of professionalism, innovation and service. We believe our blend of capabilities, skills, inventory and equipment, together with our extensive experience, position us as a global champion in our area of expertise.

With our quayside facility and large operations base, we can provide 24/7 logistic support on all types of mobilisation and de-mobilisation projects. Our quayside meets the ISPS Regulations and we have a full range of support plant including crawler cranes and heavy duty fork lift trucks. We also carry out rope installation services and fabrication services from our quayside facility. Put all these together and we are an integrated provider of fabrication, rigging and mooring equipment, a one-stop-shop in Europe.

FRANKLIN OFFSHORE EUROPE - Engineering & Fabrication Services

Growing capabilities in the delivery of single source solutions

At Franklin Offshore, Engineering and Fabrication services comprise highly specialised engineering design and high quality construction, welding and machine works on structures and equipment used in the marine and offshore industries. With our RDM logistics support base and quayside, it facilitates the mobilisation of such fabricated structures.



Fabrication, DNV-GL Approval and Mobilisation

“One call does it all!”

Design, calculations, procedures
Procurement of materials
Fabrication
Mobilisation
DNV-GL Certificates and Approvals



Design. Engineering. Fabrication. Services.

We are a leading provider of a full spectrum of services that produces safe and cost effective solutions.

- ✓ Mechanical Engineering and Drawing Works
- ✓ Material Purchasing
- ✓ Design of Welding Details (Welding Seam / Joint Preparation)
- ✓ Certified Welding (Mandatory Welding Procedures)
- ✓ Qualified Welders
- ✓ Production – Assembly / Welding / PWHT / NDT / Machining
- ✓ Quality Control / Quality Assurance
- ✓ Final Documentation (Material & Weld Traceability)
- ✓ DNV-GL Approvals
- ✓ Onshore / Offshore Support Personnel



Safety... More than a word,
it's our way of life!

Safety

“Safety Takes Priority and nowhere is safety more important than in the handling, cutting, welding and machining of all types of fabrication.”

At Franklin Offshore, we value our people and we provide them with training and a safe environment to work in.

FRANKLIN OFFSHORE EUROPE - Engineering & Fabrication Services

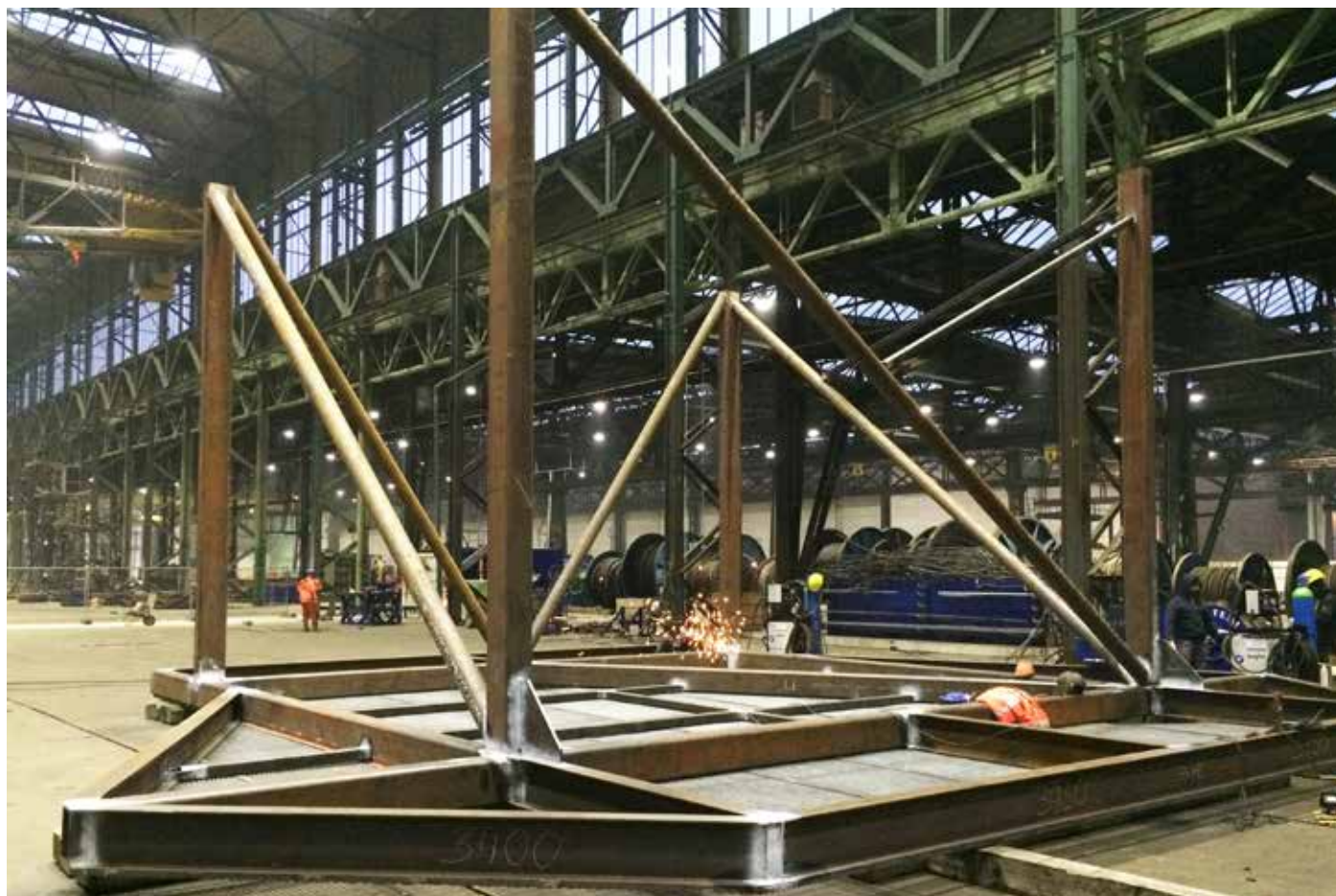
Our Workshop. Our Fabrication Yard. Our Quayside.

Facts and Figures

Workshop Floor Space	27,000 m ² inside, divided over several lanes. 45,000 m ² outside
Quayside	1 x 228 m and 140 m / water-depth 11-16 m
Steel Working Floor	150 m ²
Reinforcement Equipment	2 x 12x2 m suitable for 450-Tonne traction.
Manipulation / Turning Equipment	Unlimited
Workshop Height	> 30 m
Lifting Equipment	Overhead cranes from 5,000 Kg to 60,000 Kg

Outside Mobile Crawler Crane 165-Tonne

Machining Equipment	Sawing (up to 620 x 450 mm), milling (up to OD = 1250 mm) and drilling
Cutting Equipment	Oxygen gas cutting up to 150 mm plate thickness / Plasma cutting up to 45 mm plate thickness
Welding Equipment	All types of welding machines
Shot / Sandblasting	In-house facility
Painting	In-house facility
Heat Treatment	In-house facility including ovens of different sizes Ability and experience to apply heat treatment to all types of materials



FRANKLIN OFFSHORE EUROPE - Engineering & Fabrication Services

TQM Total Quality Management

World-class high quality is accomplished through our total commitment to TQM systems complemented by our pursuit of operational excellence and emphasis on training, safety and meeting clients satisfaction.

TOTAL	Everyone is involved
QUALITY	Continuously improving products and services
MANAGEMENT	Procedures, review, progress



SharePoint

SharePoint is our software platform for 24/7 internet access. It gives immediate visibility to all that we have and all that we do. Project specific storage files include:

- ✓ Procedures
- ✓ Training Records
- ✓ Certificates Photo
- ✓ Reports

ISO Quality Approvals

With our commitment to quality, we have the following DNV-GL approved Quality Management Systems.



ISO 9001:2008	ISO 14001	ISO 3834-2	OHAS 18001
Quality Management System	Environmental Management System	Quality requirements for fusion welding of metallic materials / Part 2: Comprehensive Quality Requirements	Occupational Health and Safety Management System

Welding Academy and Staff Training

We have a dedicated training centre supported by highly experienced trainers to provide hands-on training in many different welding procedures. All our training follows industry requirements and includes technical modules that relate to work procedures and pre-heating and weld sequences.

Our Training modules include:

- ✓ Principles of Welding
- ✓ JSA (Job Safety Analysis)
- ✓ Procedures
- ✓ Housekeeping



FRANKLIN OFFSHORE EUROPE - Engineering & Fabrication Services

Welding Methods and Procedures

Our experienced and certified welders carry out welding works in strict compliance with the required welding procedures that meet or exceed clients requirements.

Welding Disciplines

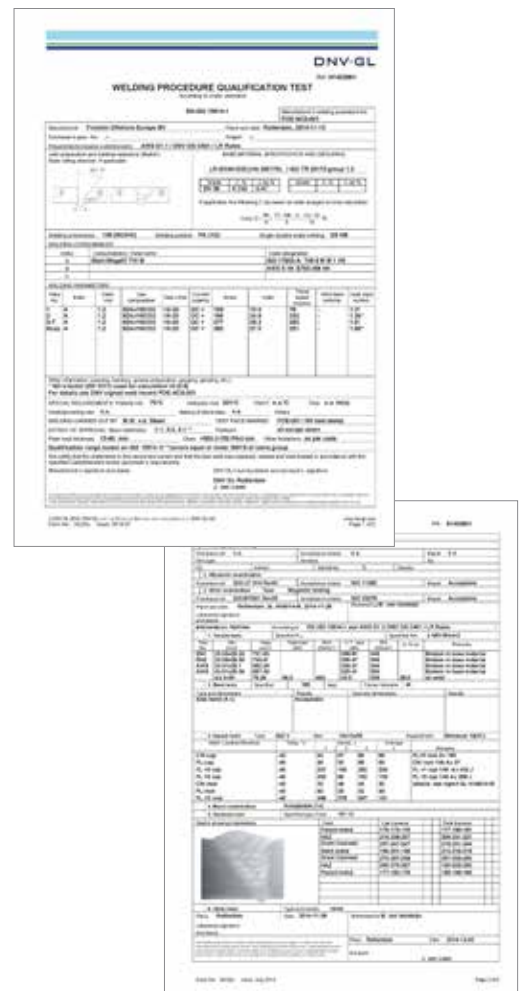
Welding Processes	American	NEN-EN / ISO
MAG Welding with Solid Wire (also pulsed)	GMAW	135
MAG Welding with Flux Cored Wire (basic & rutile)	FCAW	136
MAG Welding with Metal Cored Wire	MCAW	138
Welding with Coated Electrodes	SMAW	111
Submerged Arc Welding	SAW	121
Gas Tungsten Arc Welding	GTAW	141
MIG Welding	GMAW	131

Class Approval on Welding Procedures

Welding Compliance

Experienced and certified welders carry out our welding in strict compliance to the welding procedures that are approved by the client and by Class Societies.

Welding works are always carried out according to the specific welding procedure specifications (WPS) which are backed up by DNV or Lloyds approved PQRs.



FRANKLIN OFFSHORE EUROPE - Engineering & Fabrication Services

Dependable Technical Machining Solutions

Sheave Refurbishment

We have extensive expertise in machining / repair work for all types of sheaves as used in cranes and crane blocks. Our expertise includes specialised welding and machining.

- ✓ Sheaves
- ✓ Sheave blocks



Specialised Machining

Our machine shop has just recently completed the refurbishment work for the RAMBIZ where we refurbished over 100 sheaves.

Our scope of work included:

- ✓ Re-profile the shaft of the sheaves groove by pre-machining and welding
- ✓ Final machining of the shaft of the sheave groove to required tolerances
- ✓ 100% NDT MPI for defects
- ✓ Installing and replacing new main bearings (last handling from a sheave)

Non-Destructive Testing (NDT)

Non-Destructive Testing (NDT) uses test methods to examine an object, material or system without impairing its future usefulness. NDT is often required to verify that the fabrication, welding or machined items are free from defects.

Our comprehensive range of NDT inspection services includes:

- ✓ AET Acoustic Emission Testing
- ✓ ART Acoustic Resonance Testing
- ✓ ET Electromagnetic Testing
- ✓ IRT Infrared Testing
- ✓ LT Leak Testing
- ✓ MT Magnetic Particle Testing
- ✓ PT Dye Penetrant Testing
- ✓ RT Radiographic Testing
- ✓ UT Ultrasonic Testing
- ✓ VT Visual Testing (VI - Visual Inspection)





LOCATIONS

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