

# HEAVY INDUSTRY ESTONIA OÜ

ONE-STOP  
SHOP FOR  
HEAVY  
INDUSTRY  
NEEDS

# SECTORS & INDUSTRIES

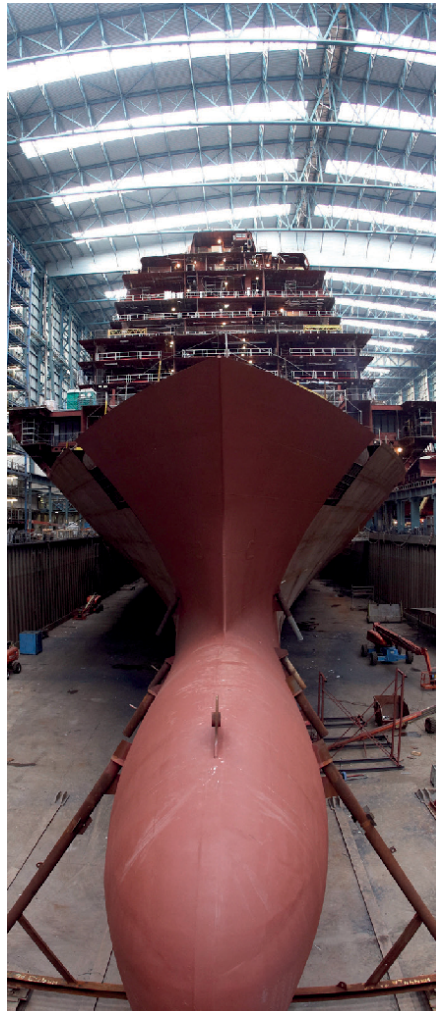
## OFFSHORE

Lifting, handling, drilling, and FPSO solutions.



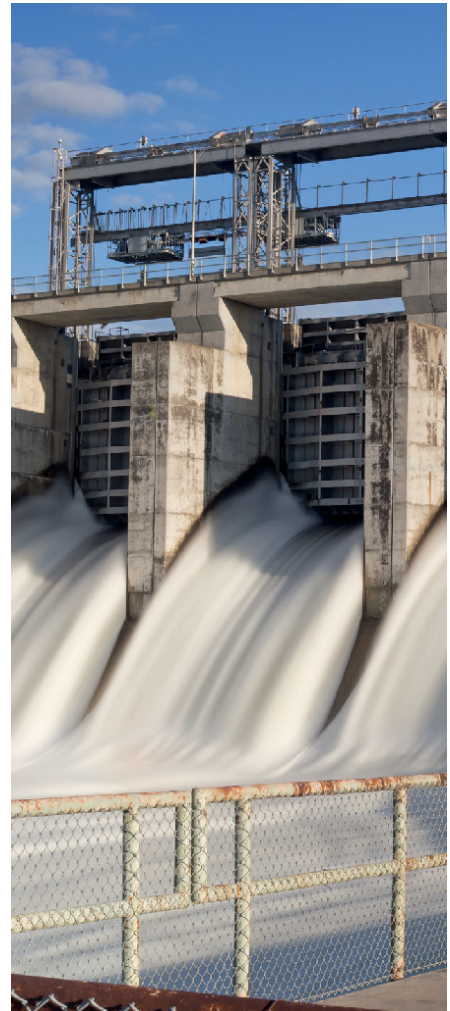
## MARINE

Propulsion systems and systems for shipbuilding.



## ENERGY

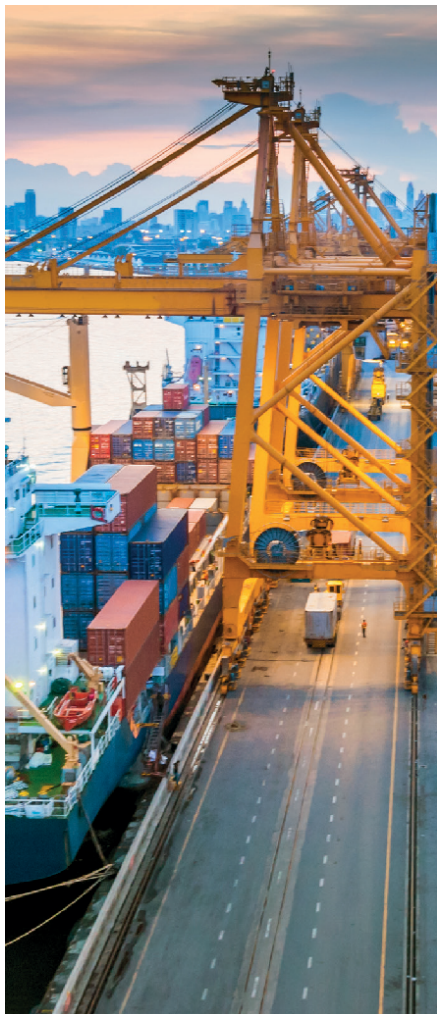
Hydro/tidal, on- & offshore wind, and nuclear.





## INFRASTRUCTURE AND PORTS

Ports & logistics, tunnels & mining equipment, bridges.



## SUBSEA

GRP covers, spools, manifolds, and other tie-in systems.



## INDUSTRIAL

Pulp & paper, metals, and bulk-handling technology.



# FROM OUR PORTFOLIO

## NATIONAL OILWELL VARCO

**Offshore oil & gas, subsea, marine:** Wireline tensioner systems, hose-loading systems, module-handling compensators; small and large winches, fully-tested subsea AHC cranes (50–400 ton), knuckle-boom cranes, lattice-boom cranes, LARS cranes, A-frame cranes, BOP and gantry cranes, etc.

## CARGOTEC GROUP

**Offshore oil & gas, marine:** A-frame cranes, fabrications for large winches, knuckle-boom cranes, etc. for **MacGregor**.

**Infrastructure & ports:** All- electric automated guided vehicles (AGV) for **Kalmar**.

## TECHNIP NORWAY

**Offshore oil & gas, subsea, marine:** Temporary and permanent subsea equipment, equipment for handling flexibles and umbilicals, clamps, equipment for vessel mobilizations, etc.

## ANDRITZ

**Hydro:** Large hydroturbine parts: stay rings and housings.

**Pulp & paper:** Stacker reclaimer and handling-system fabrication.

## ABB MARINE

**Marine:** Fabrication for large propulsion systems in cruise and ice-going vessels.

## TTS MARINE

**Marine:** Doors & platforms for cruise vessels.



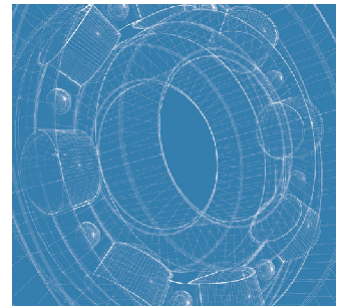


# SAMPLE PARTNER-SHIPS

Doing it right for our customers the first time, all the time.

## PROTOTYPING

Development, testing, acceptance. We enter in the engineering phase & work with your team to tweak the design for production, using state-of-the-art technology.



## PRODUCTION

With the prototype tested and approved, we prepare it for and put it into serial production at our facilities. The finished products are tested before shipping.



## INSTALLATION, TESTING, AND AFTERCARE

We retest the product at its installed destination. In-situ modifications done as needed.



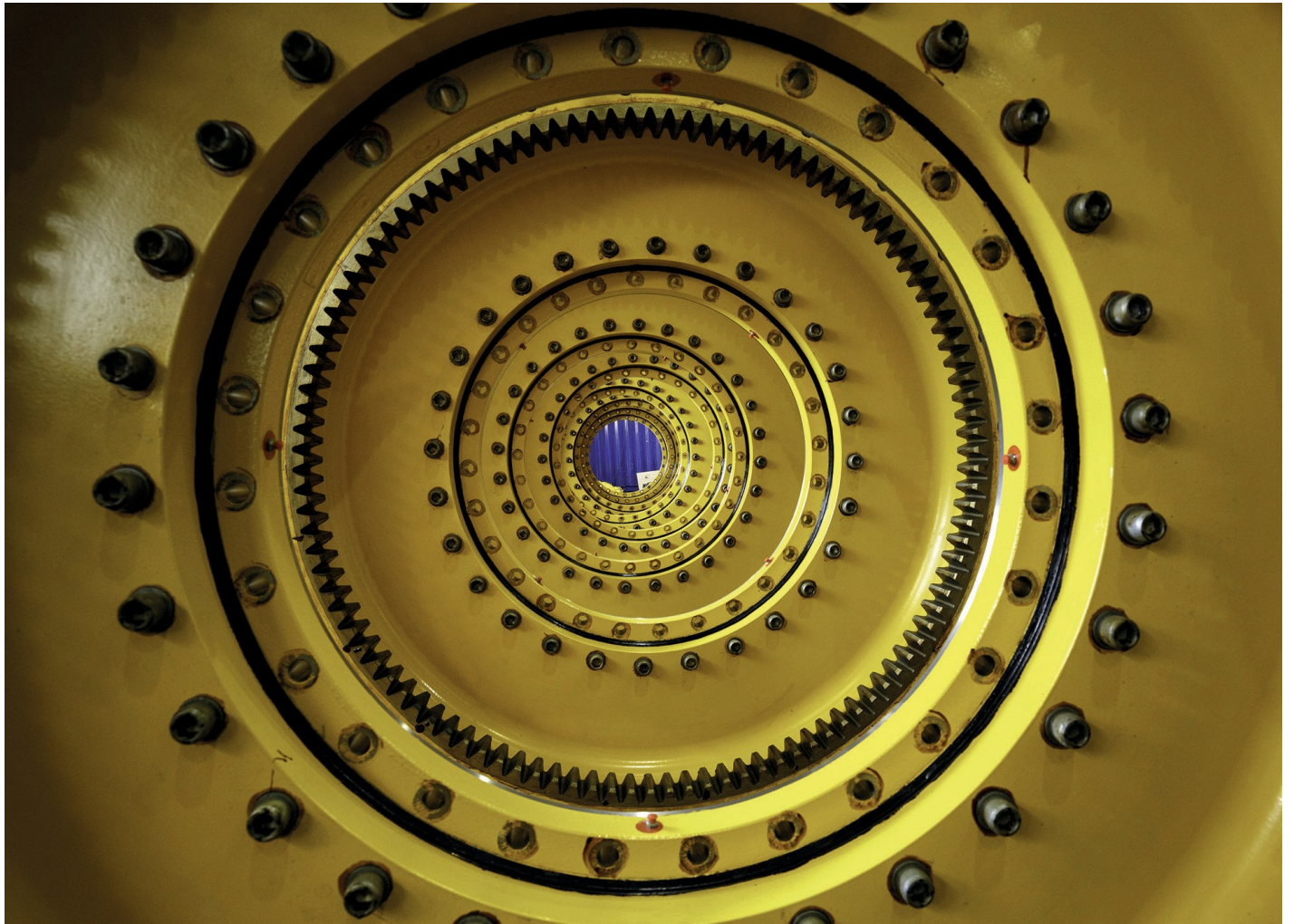


# SERVICES

When we say full-service, we mean it. From advice to engineering, fabrication to decommissioning. You can count on us every step of the way.

- Project management
- Engineering
- Quality assurance
- Supply chain management / Purchasing
- Fast-track & prototyping
- On-site machining services
- Survey, measuring service & NDT
- Fabrication
  - Preparation
  - Assembly & Welding
  - PWHT
  - Machining
  - Surface Treatment
  - Mechanical Assembly  
Hydraulical & Electrical Assembly  
Testing (FAT)
  - Packing
- Logistics and storage
- Site installation and commissioning







# EQUIPMENT

Big jobs require big machines. Here are some highlights of our industrial gear.

- Overhead lifting capacity 160 tons
- 1250-ton press <sup>(04)</sup>
- Submerged arced welding portals
- Robot welding station with a 50-ton positioner <sup>(03)</sup>
- Infrared and ceramic preheating
- PWHT furnace (8×8×6m)
- CNC boring mills with 24m horizontal and 8m vertical travel, and a 160-ton rotary table <sup>(01)</sup>
- Mobile circular mill with a 6.2m diameter
- Mobile line-boring mills
- Laser trackers <sup>(02)</sup>
- 10×10×35m blasting & painting halls
- Large hydraulic power units (HPUs)
- Load test stand (1,150-ton capacity)
- Offshore crane test stand (6,000 tm)



**€7M INVESTED IN 2016  
TO EXPAND PRODUCTION  
CAPACITY**

1. CNC horizontal boring mill Škoda. X=8,000, Y=24,000, rotary table: 5x5m
2. Pema robot welding station with manipulator 50t
3. Pema robot welding station with manipulator 50t
4. Press force 1,250t



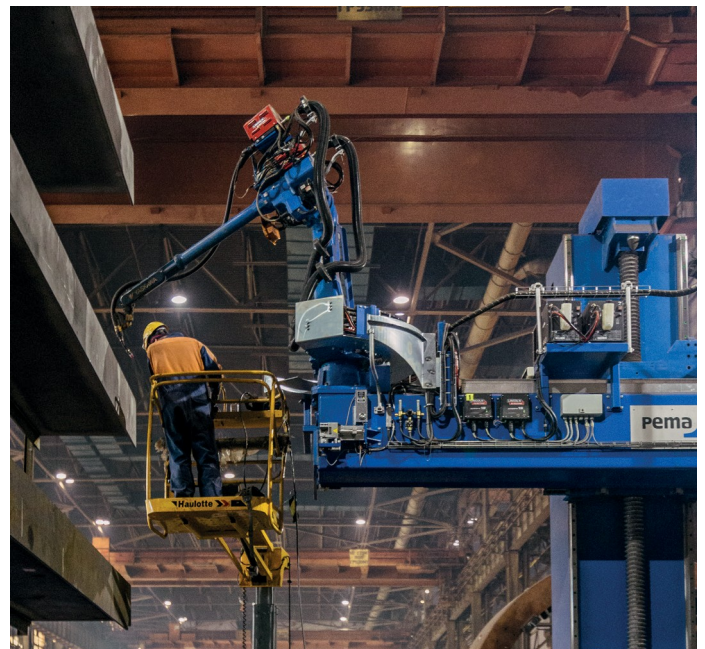




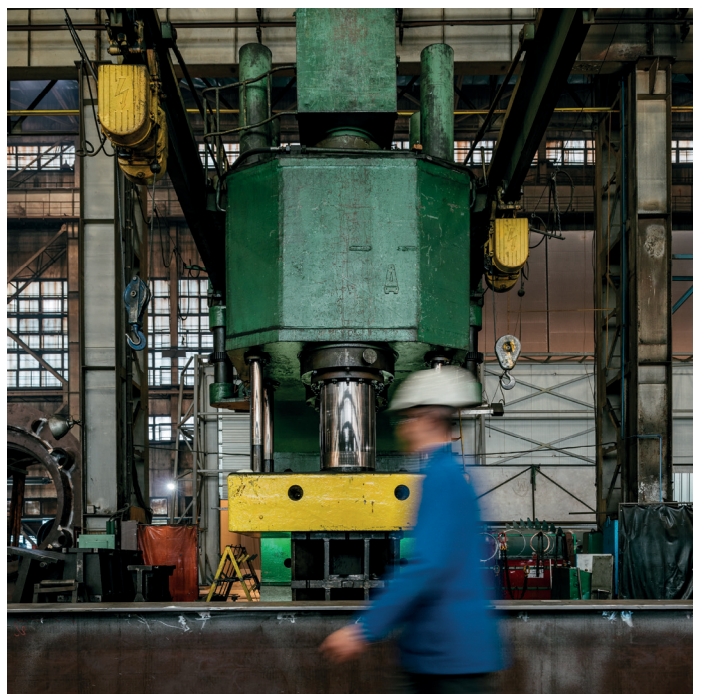
01



02



03

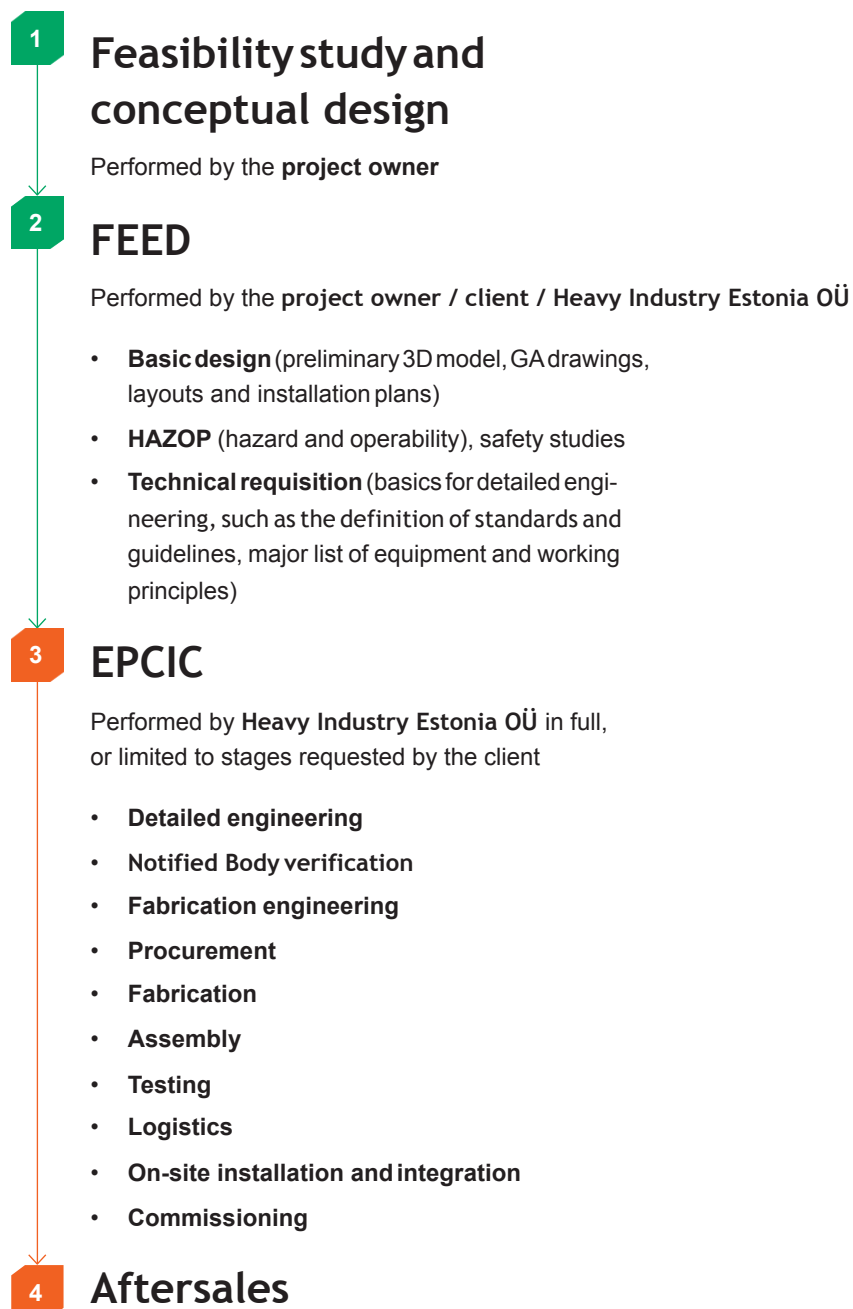


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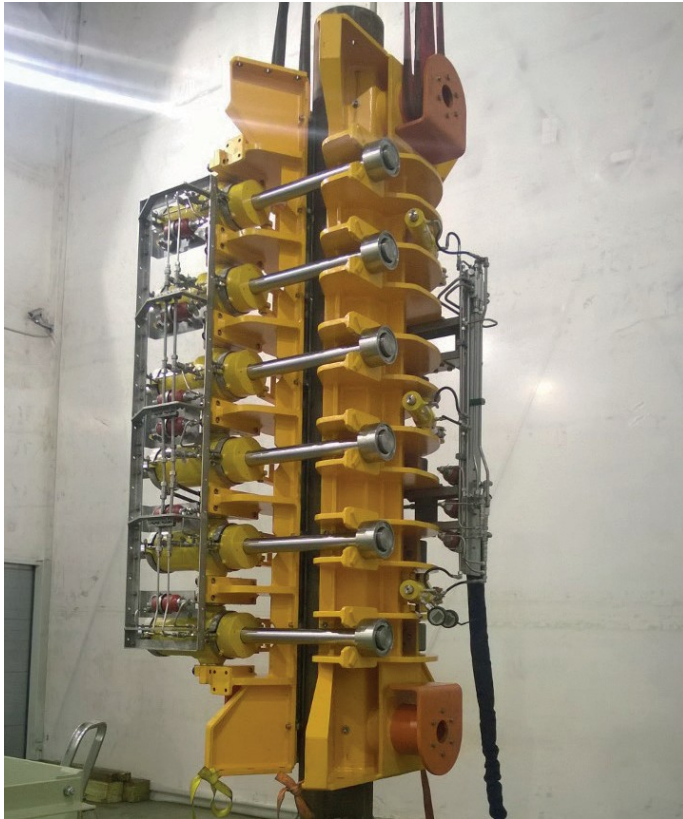


# THE COLLAB- ORATION PROCESS

Every partnership is unique. Still, the best results emerge from an orderly path and mutual commitment in time, care, and attention. Here's the process we've developed to support healthy long-term collaboration.

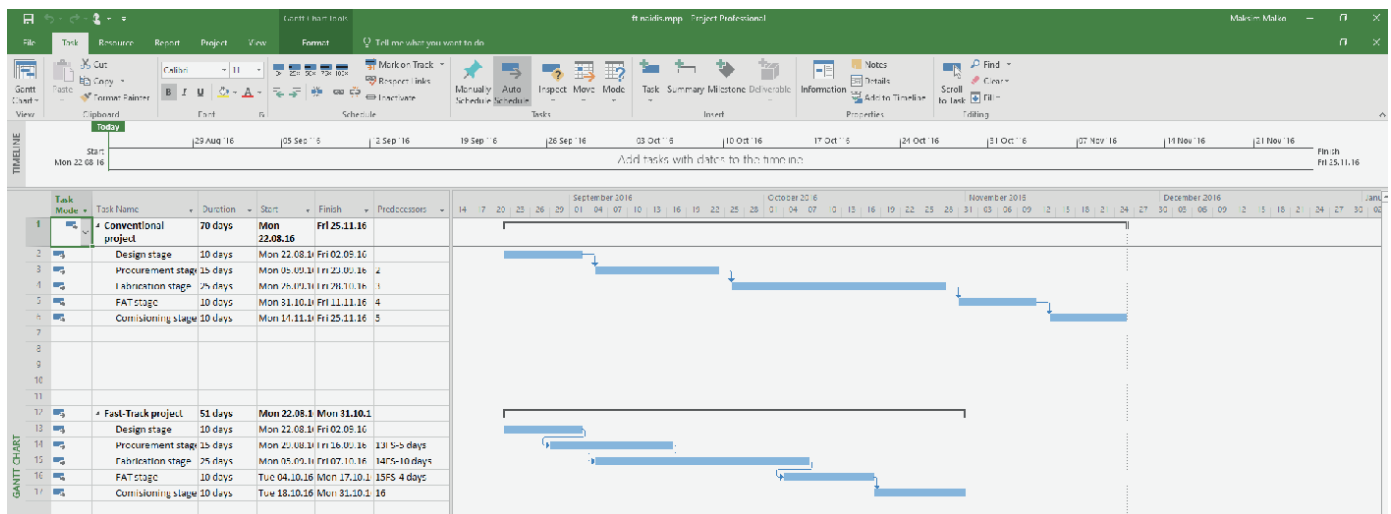


# FAST- TRACK PROJECTS



As some project deadlines are very tight, we can provide extra capacity through our fast-track model.

Our fast-tracking ability is the result of full in-house engineering, production and testing resources, as well as sophisticated process management and a deep commitment to excellence.





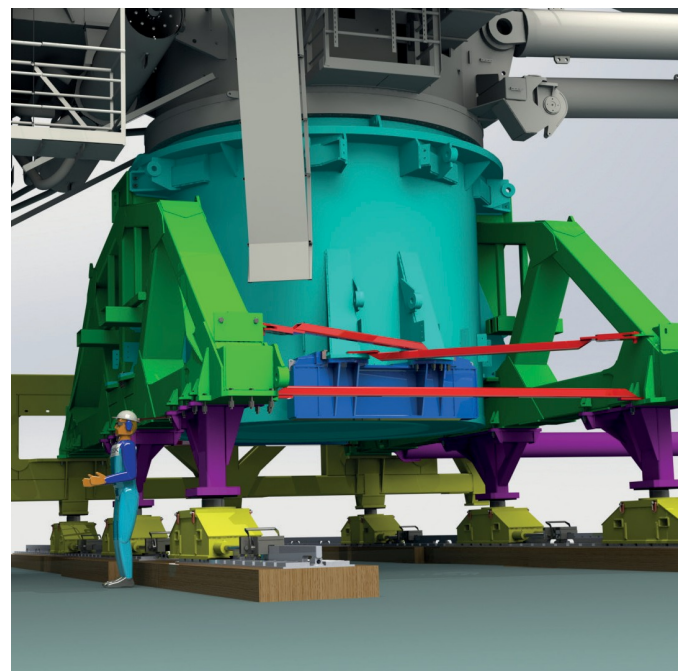
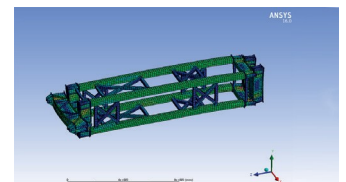
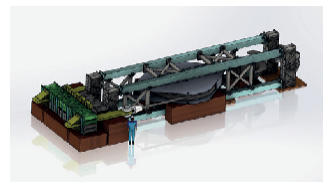
# FULL EPCIC. FULL ETHICS.

## What is EPCIC?

Engineering,  
Procurement  
Construction,  
Installation,  
and  
Commissioning.

With large projects, going “full EPCIC” may prompt questions in your team. A collaboration this close? This new partner will see.. everything!

Our only ambition is to apply our skills, technology, and experience to help your design, product, and business succeed.



# HEALTH, SAFETY AND ENVIRON- MENT

With hundreds of people and industrial machinery, we have zero tolerance for errors. All our processes follow the strictest rules.

- ISO 9001 quality management
- ISO 3834-2 welding quality management
- ISO 14001 environmental management
- OHSAS 18001 health and safety system
- EN 1090-2 EXC 4 steel construction certificate
- Registered supplier on the Achilles database for suppliers to the oil & gas industry (FPAL, JQS)







# FACILITIES

Ongoing investments in capacity, technology, and processes.

15,000+ m<sup>2</sup> total production & storage area

Free economic zone, long-term storage

Railway and motorway access to EU and CIS countries

Ice-free deepwater quay with a depth of 12m

Mobile 300-ton lifting and 2,000-ton skidding capacity

160-ton overhead lifting capacity

1. Cranes at our Paldiskiport
2. Safety comes first
3. Our deepwater quay (12m water depth)

4. Assembly hall in Paldiski
5. Our Tallinn factory has the capacity to work with very large objects
6. Heat treatment 8x8x6m gas furnace

7. Our paintwork chamber's dimensions are 10x10x35m
8. Crawler crane with lifting capacity 300 ton on E-Profiil Quay



ACCESS TO 1,300M LONG DEEPWATER QUAYSIDE







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06

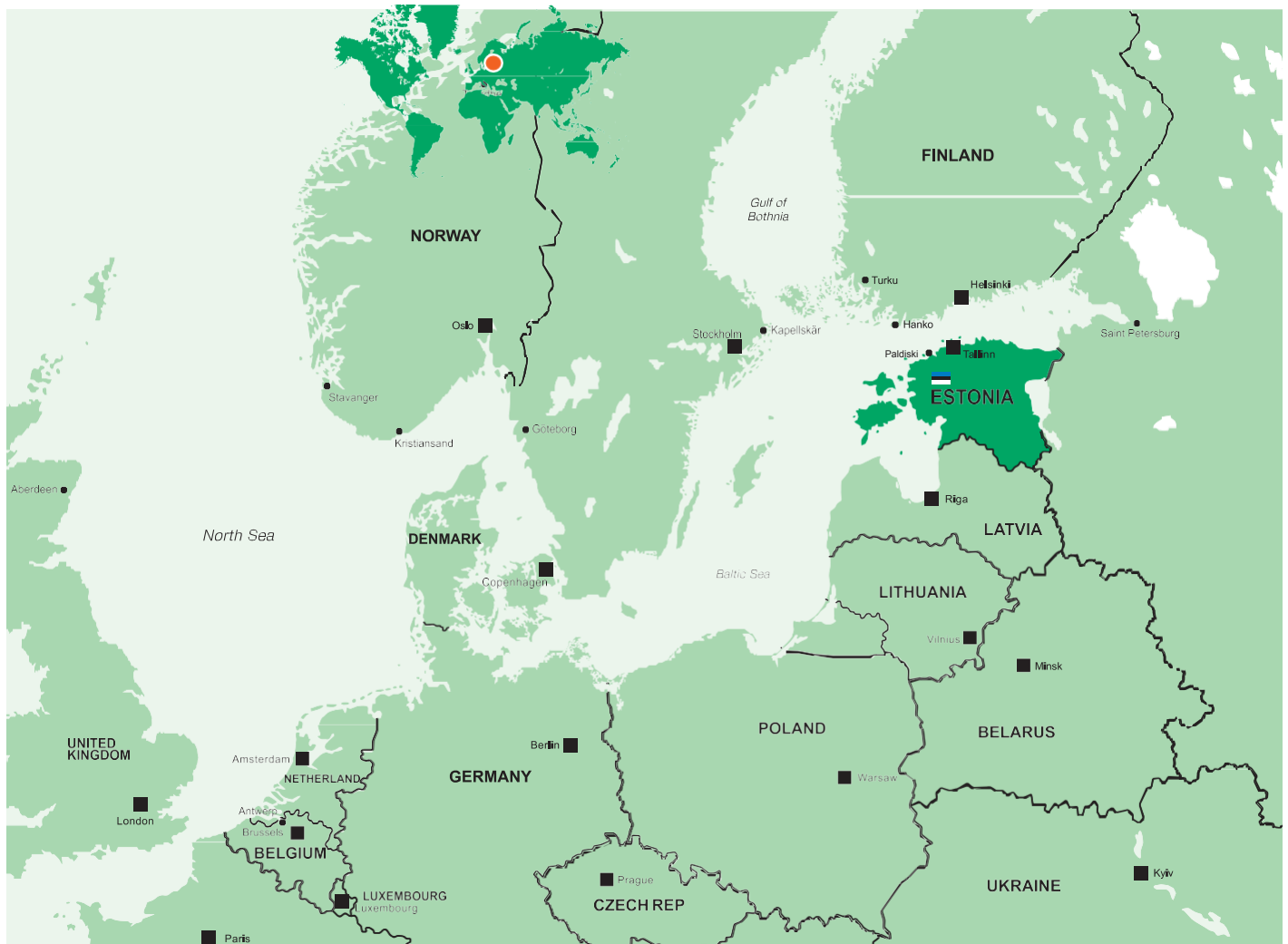


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# LOCATION

**Our production and testing facilities are split between the Estonian capital Tallinn and nearby Paldiski, both hugging the coast of the Baltic Sea.**

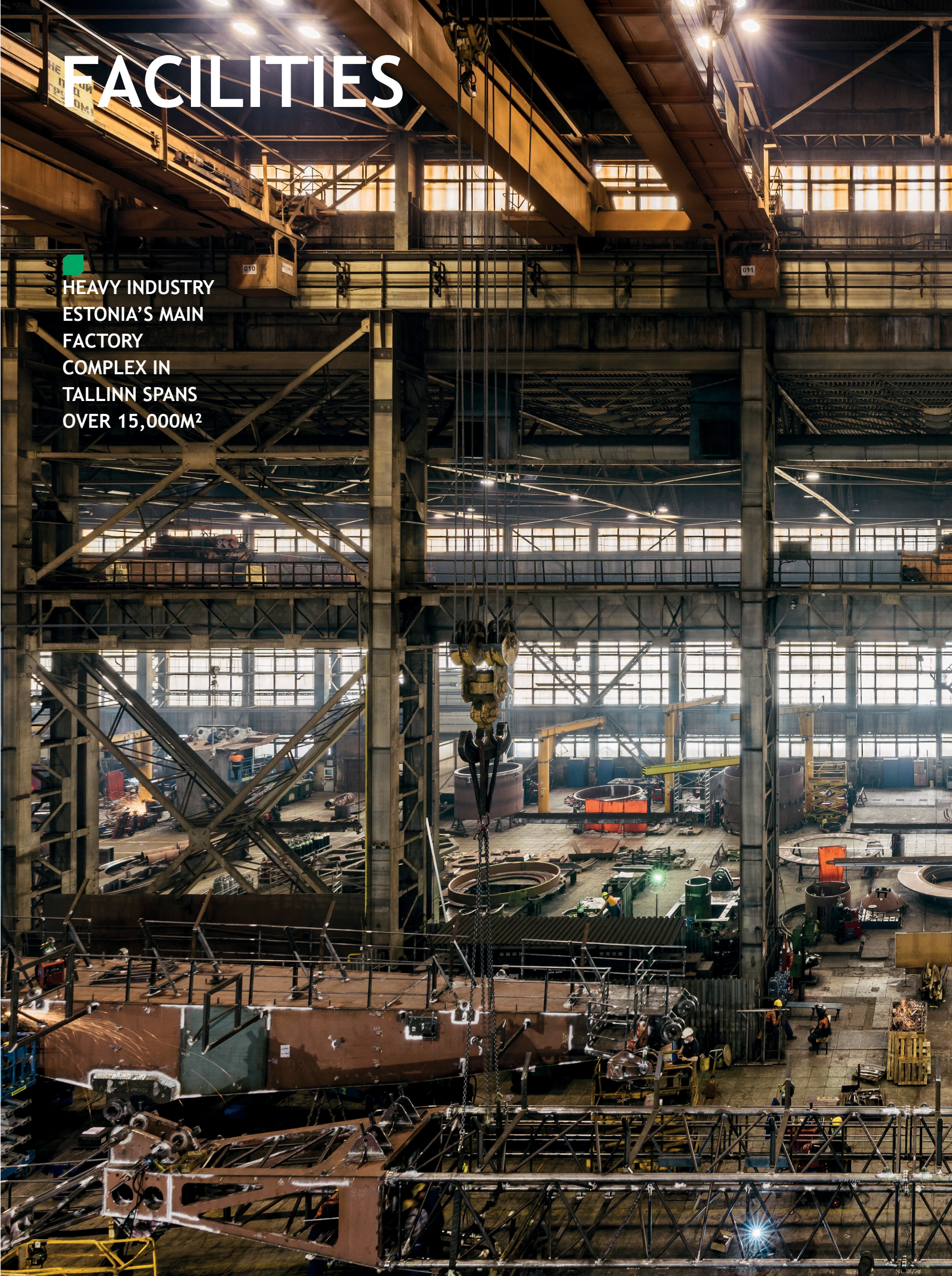
Our HQ and other Tallinn facilities are just 5 minutes from the international airport.

Our seaside facilities are located in Paldiski. We own a deepwater quay at the ice-free Northern Port, with access to 1.3km of quayside in total.

Our factories have excellent access to:







# FACILITIES

HEAVY INDUSTRY  
ESTONIA'S MAIN  
FACTORY  
COMPLEX IN  
TALLINN SPANS  
OVER 15,000M<sup>2</sup>







# FACILITIES

XXL EQUIPMENT  
FOR XXL JOBS:  
GIANT MILLS,  
ROBOTIC WELDING  
STATIONS, CRANES,  
LIFTS, PAINTING  
HALLS, AND MORE.










# FACILITIES

 PALDISKI OFFSHORE  
BASE HAS AVAILABLE  
DEEP WATER QUAY,  
HEAVY LIFTING (330  
TONS) AND SKIDDING  
(2000 TONS) FOR  
LOADOUT AND  
MOBILISATION, LONG  
TERM STORAGE IN  
FREE ZONE  
AVAILABLE.









## HEAVY CARGO HANDLING

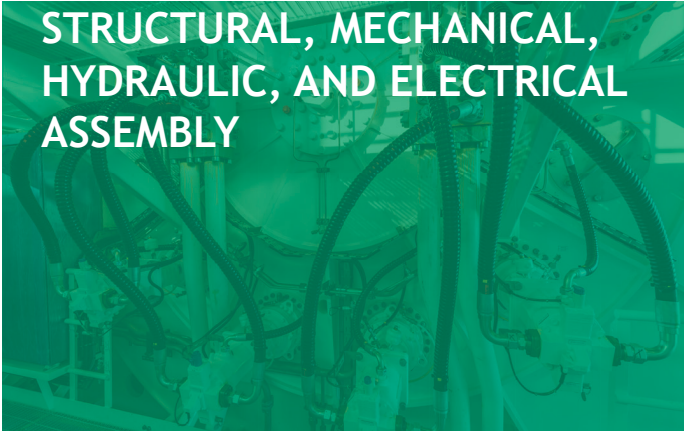


## FABRICATION:

Welding, machining, surface treatment, testing, assembly, etc



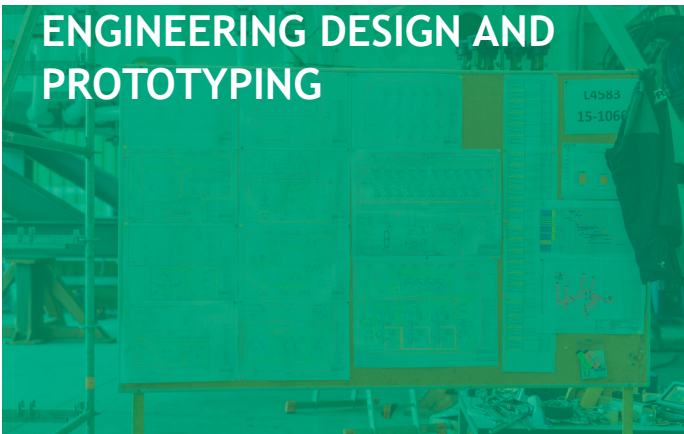
## STRUCTURAL, MECHANICAL, HYDRAULIC, AND ELECTRICAL ASSEMBLY



## VESSEL MOBILIZATION AND DEMOBILIZATION



## ENGINEERING DESIGN AND PROTOTYPING



## NON-DESTRUCTIVE TESTING



## PROJECT MANAGEMENT



## LOGISTICS SERVICES AT OFFSHORE BASE



## QUALITY ASSURANCE



## AFTERSALES CARE



## FAST-TRACK MANUFACTURING



## SUPPLY-CHAIN MANAGEMENT





GET IN TOUCH TO  
DISCUSS YOUR NEEDS

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