

# ALUSHIP<sup>®</sup>

## TECHNOLOGY

Engineering Manufacturing  
Aluminium Stainless Steel  
Coordination Outfitting  
Maritime Offshore Onshore  
Newbuilding Conversion



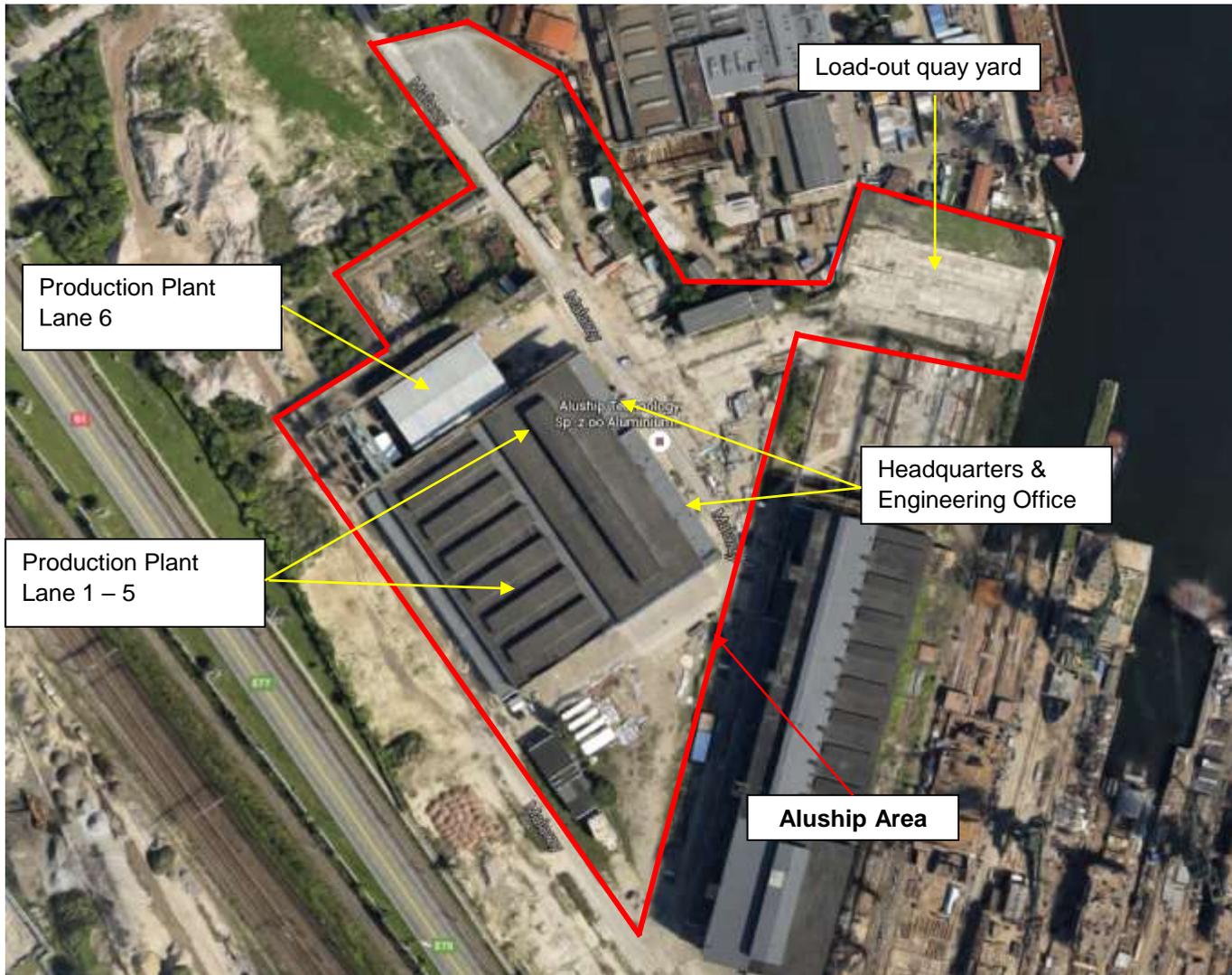
# ALUSHIP<sup>®</sup>

## TECHNOLOGY

Engineering Manufacturing  
Aluminium Stainless Steel  
Coordination Outfitting  
Maritime Offshore Onshore  
Newbuilding Conversion



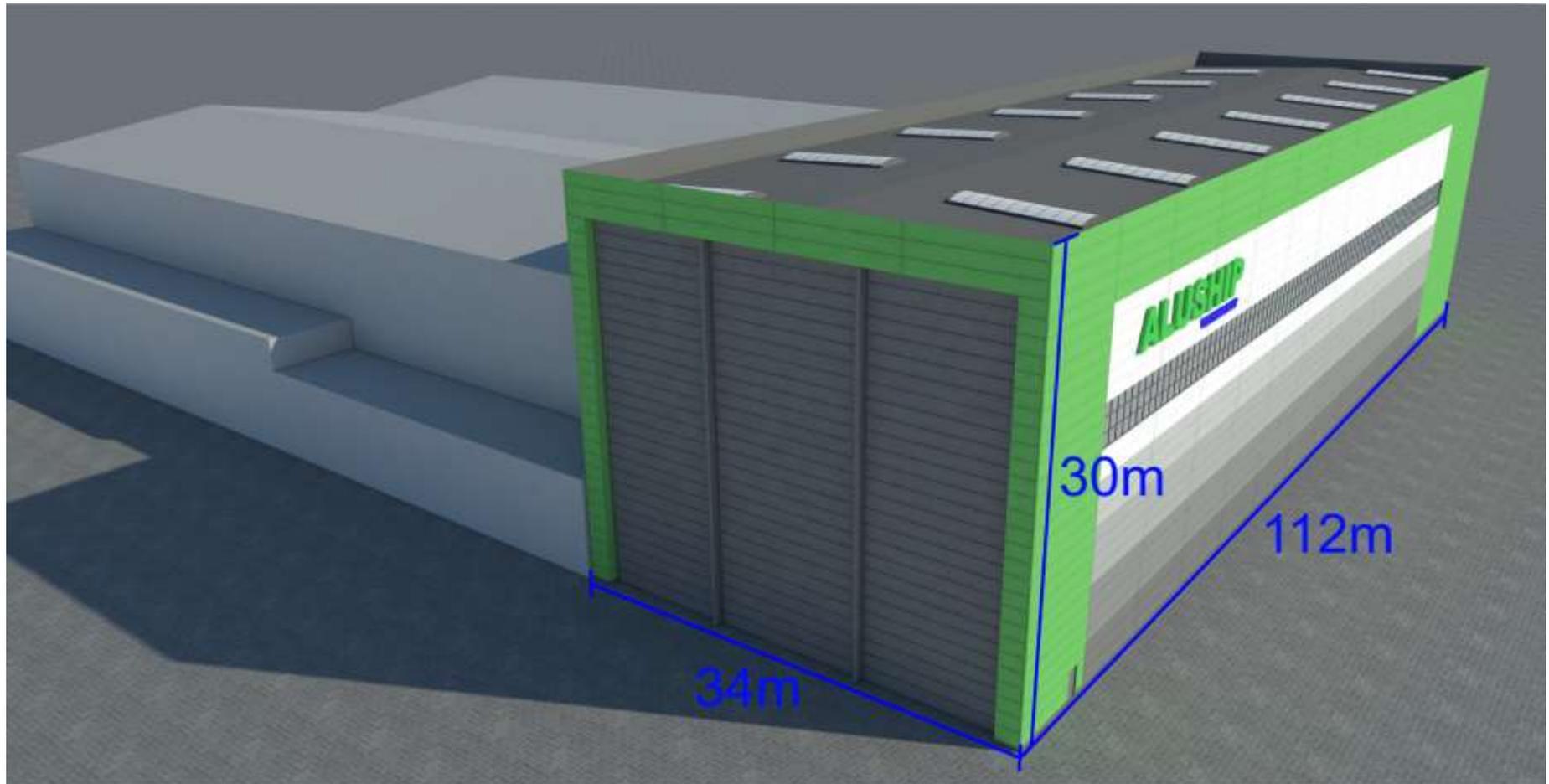
Aluship Technology has its own 4.5ha area in Gdansk harbour



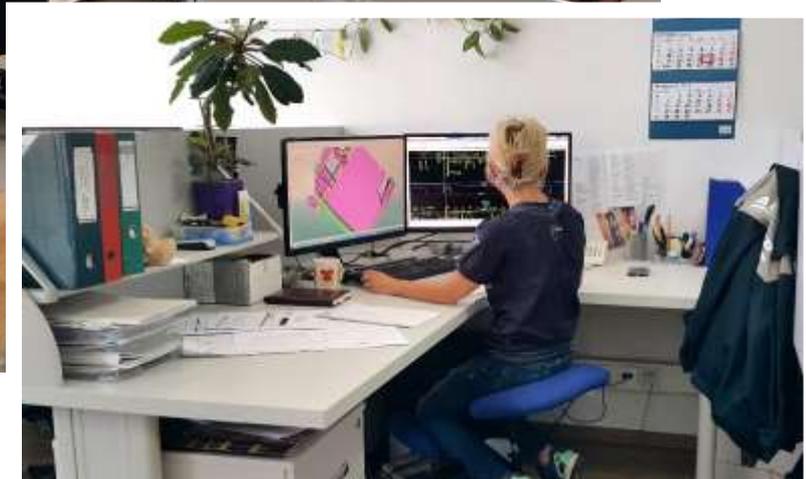
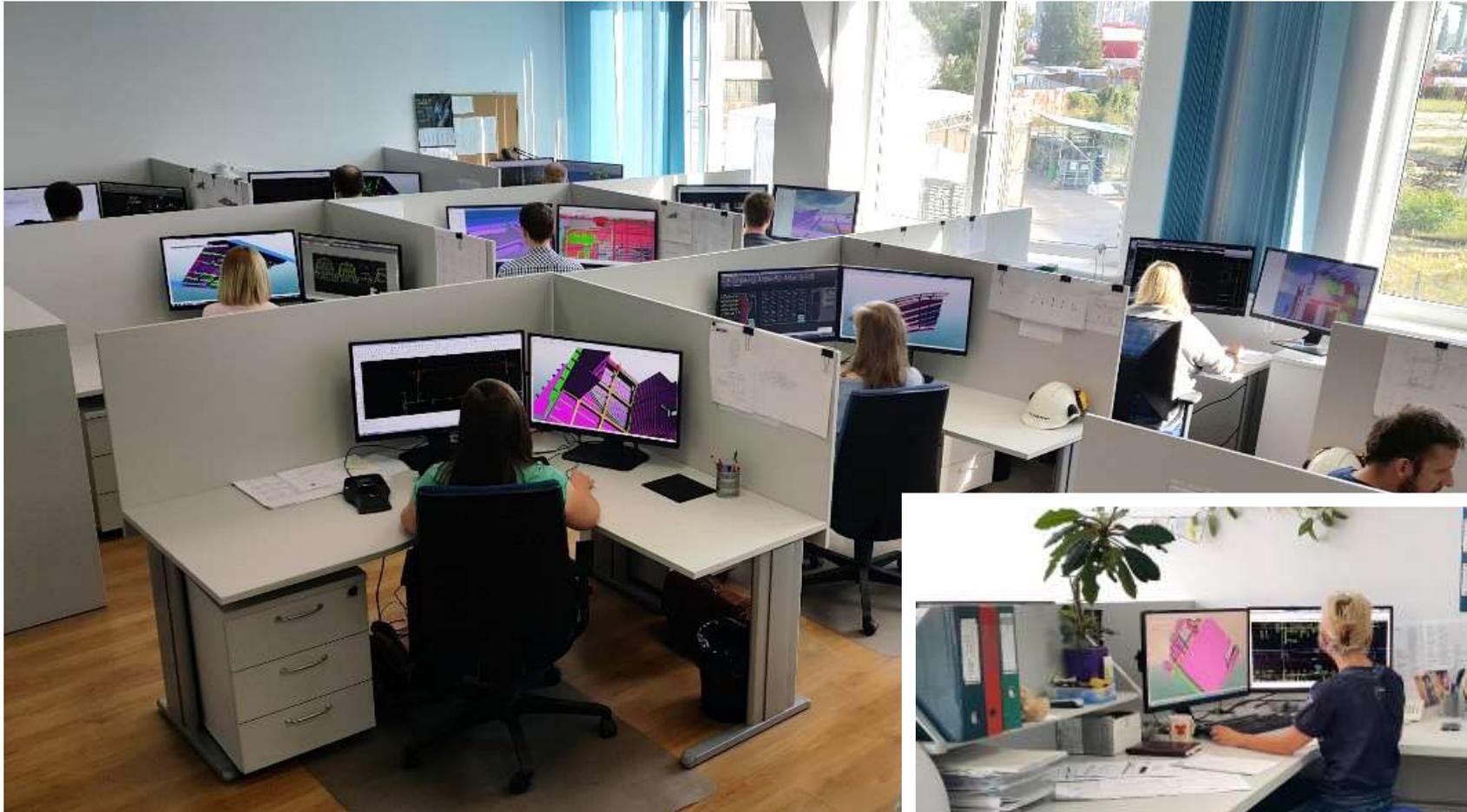
## Production facilities in Gdansk harbour



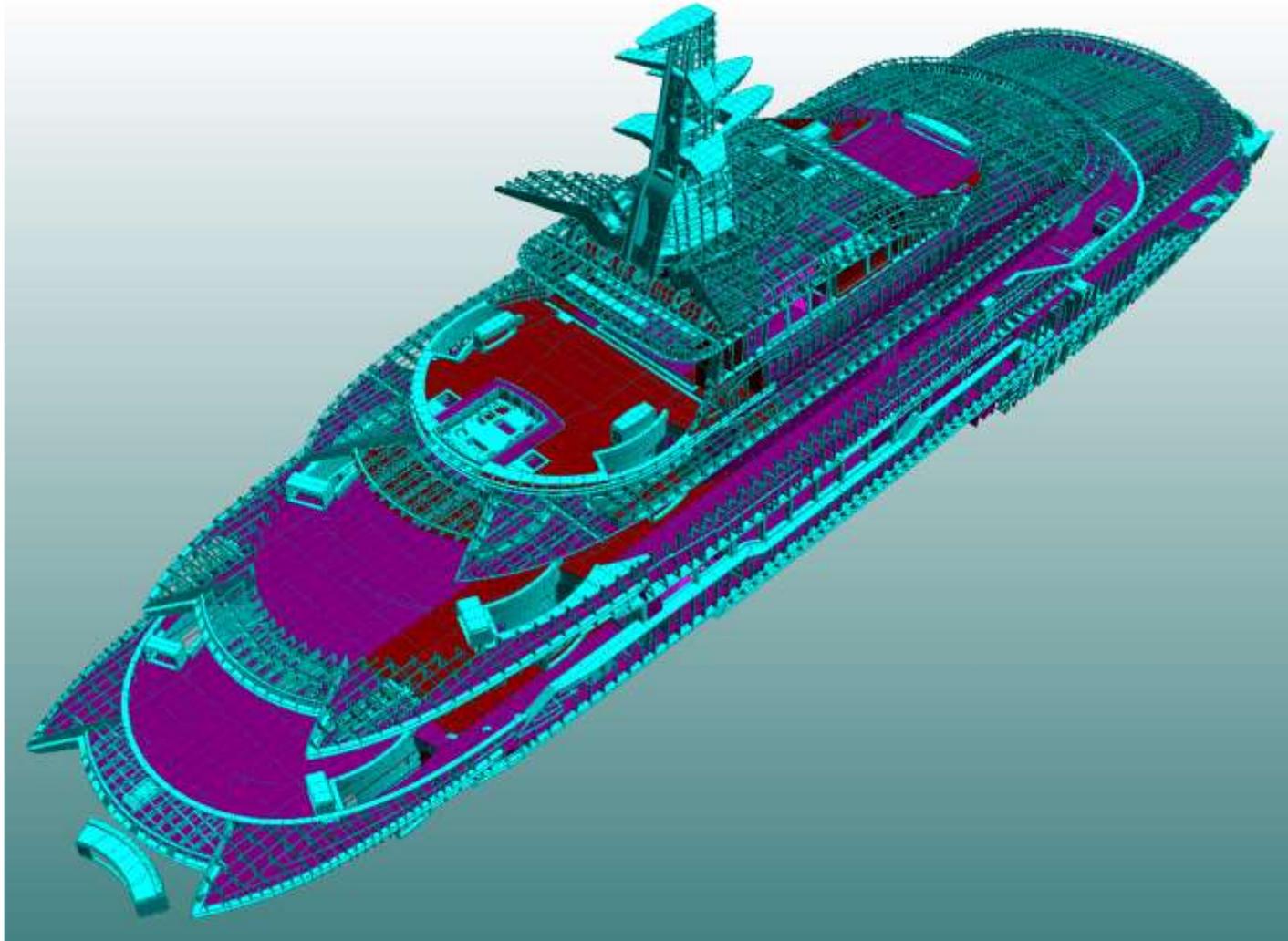
Investment plan for new hall of 3745m<sup>2</sup> floor space



## Engineering office with 42 workstations

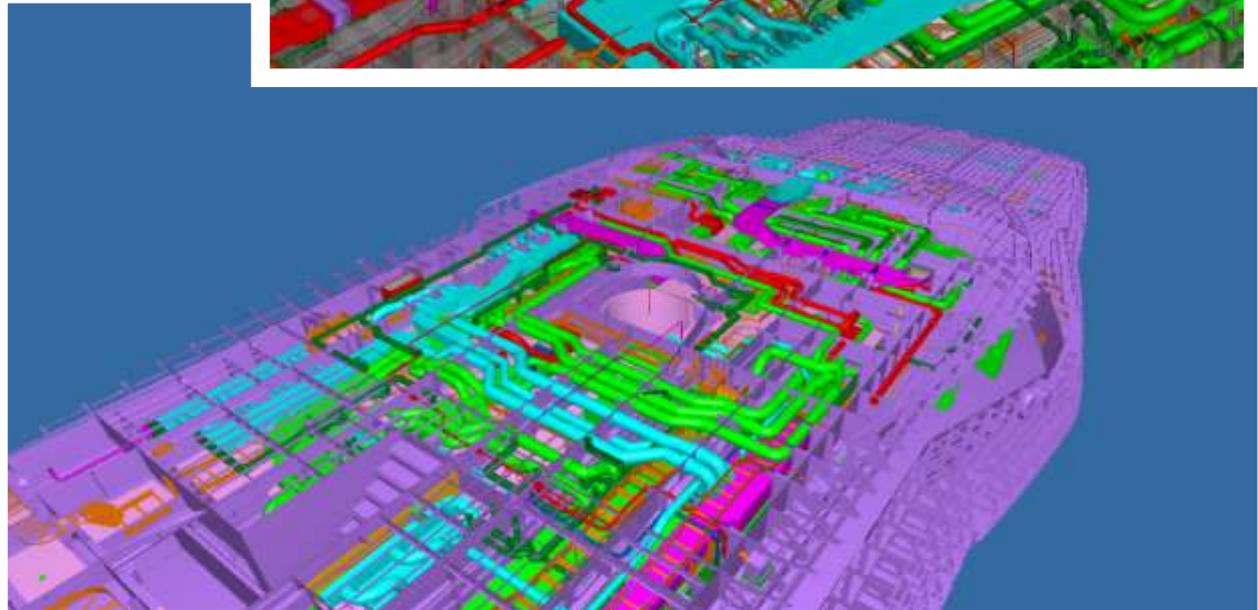
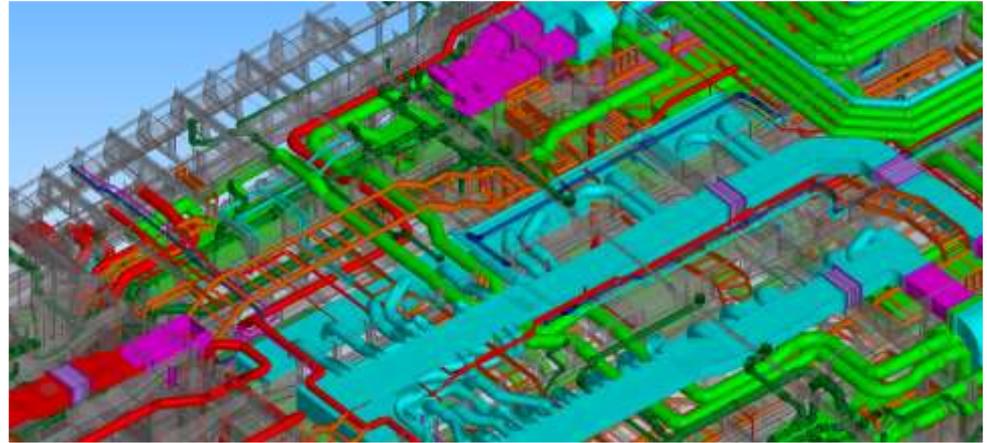
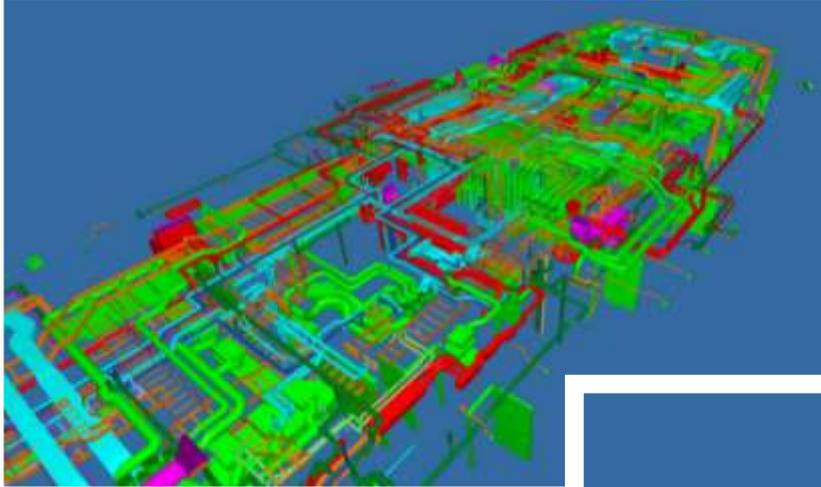


## Structural design + engineering



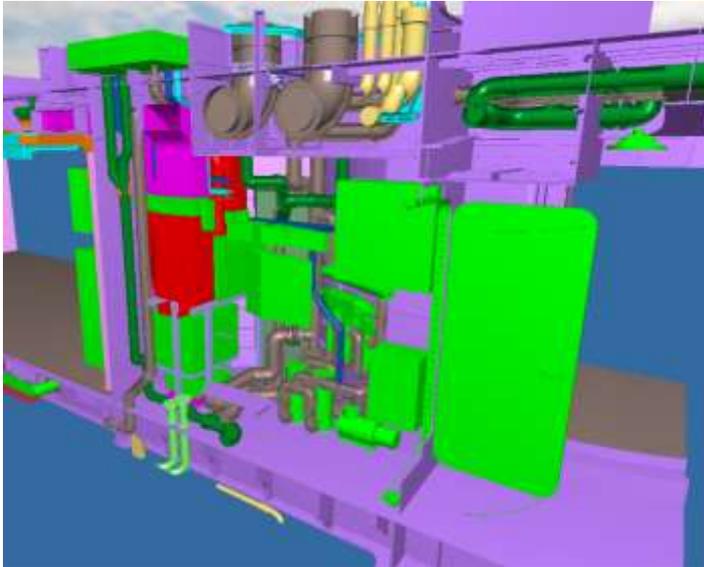
## Coordination + outfitting engineering

Example coordination of superstructure piping systems

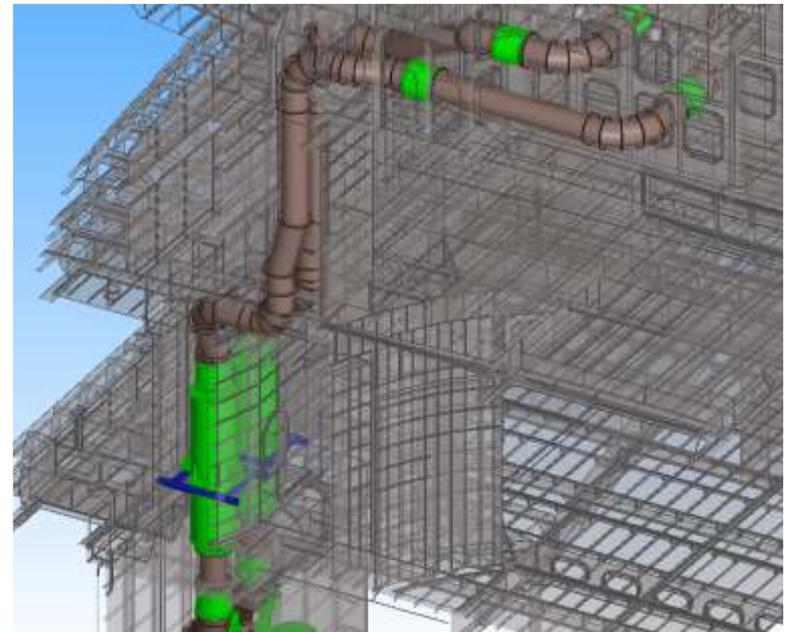


## Coordination + outfitting engineering

Example arrangement of technical space



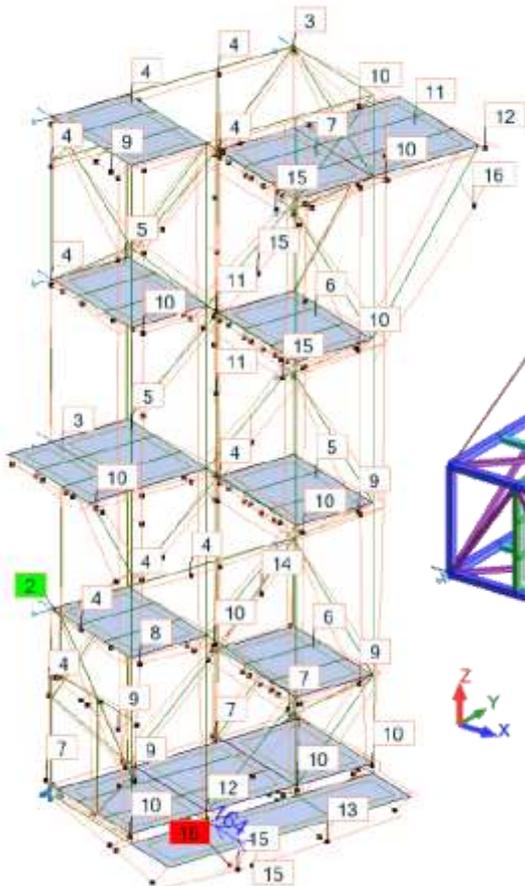
Example coordination of exhaust gas system with equipment parts



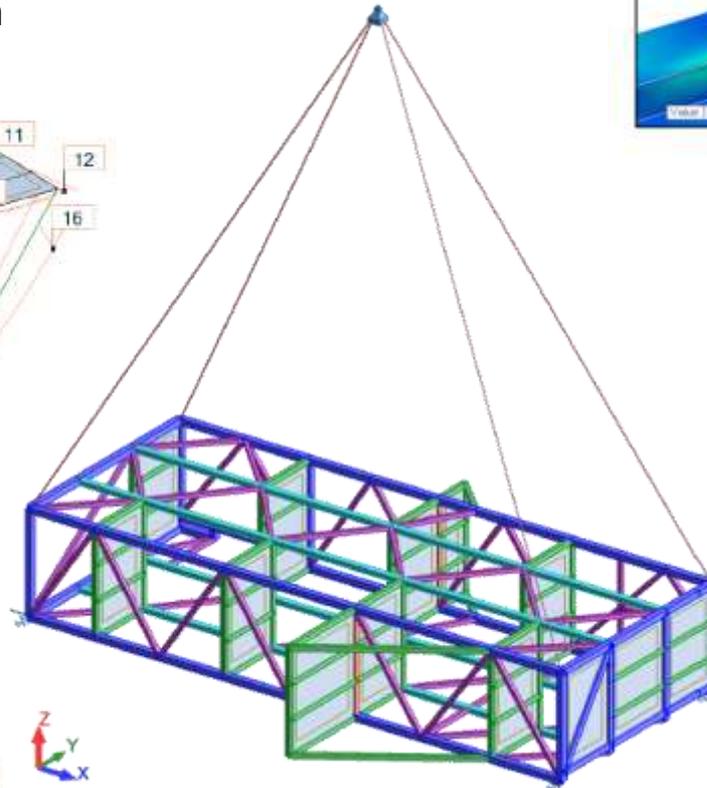
Example coordination of cable trays

## Structural Calculation & FEM Analysis

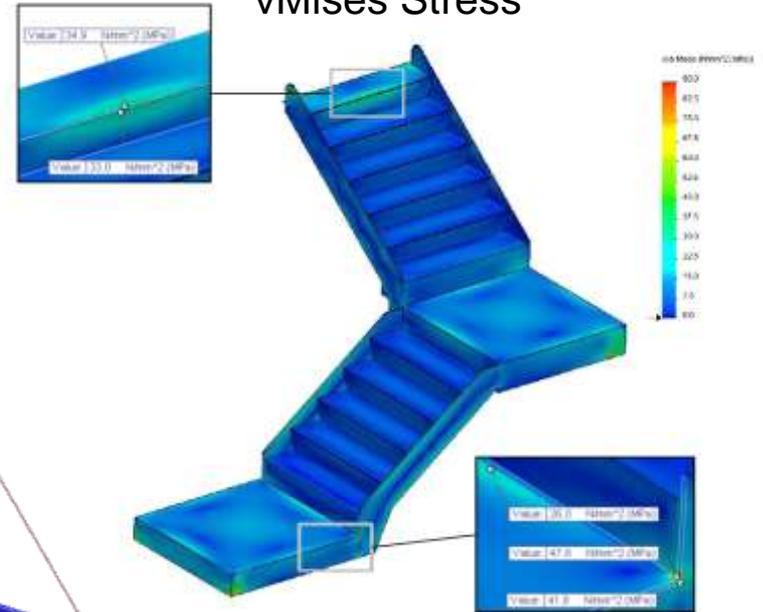
Bars deformation



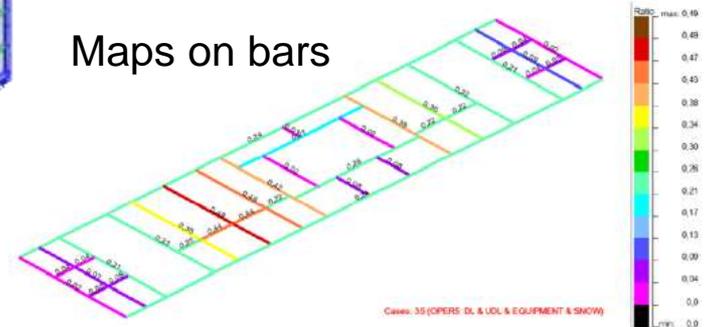
Lifting analysis



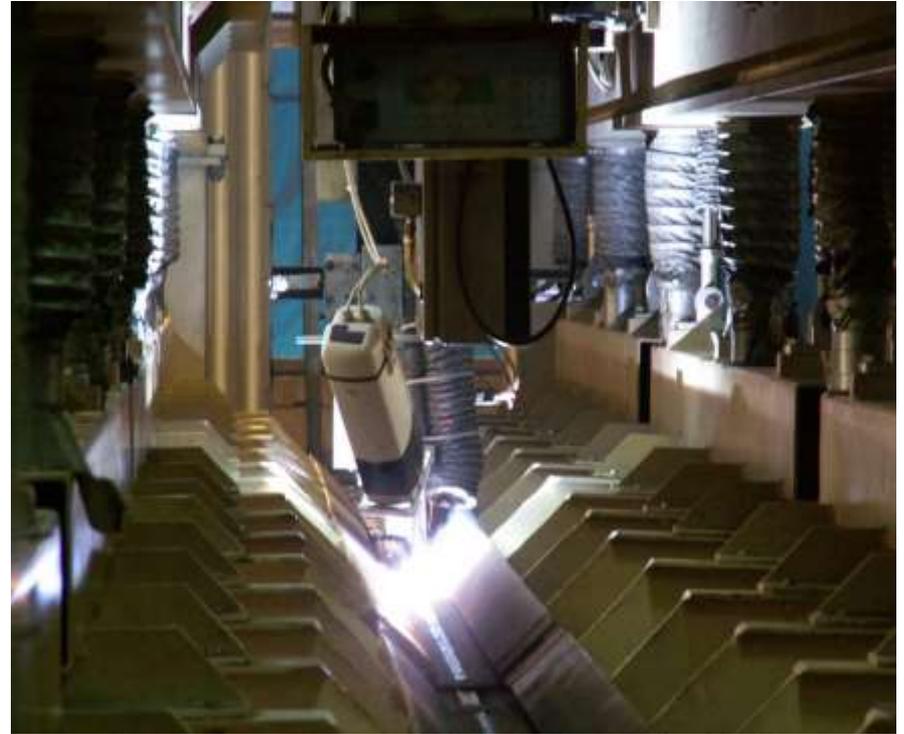
vMises Stress



Maps on bars



## Production facilities



12 mtr one-side welding gantries  
for aluminium and steel

From technical design to final commissioning



The superstructures for „Aida Vita” and sister ship

## Superstructures



### The scope of activities included

- complete revision and improvement of existing technical AI-design projects,
- complete classification process,
- consulting our client for special equipment and devices for aluminium superstructures,
- developing specific trapezoid panel with extrusion tool,
- class - construction - workshop drawings,
- lofting, nesting, plasma cutting docs,
- plasma cutting and marking,
- complete mounting and welding of all sections,
- complete mounting of ready blocks on steel hull at our clients premises,
- complete drawings and construction of outfitting parts including windscreens, foundations for lifts and other equipment,



The superstructures for „Aida Vita“ and sister ship

## Redesign of superstructure into aluminium

### Aluship Technology delivered full service package consisting of:

- complete conversion of steel construction into specific aluminium panel design achieving up to 64% of weight reduction,
- FE-AI calculation,
- complete classification process with ABS / RINA and approval of drawings,
- consulting our client for special equipment and devices for aluminium superstructures,
- CAD/CAM, lofting, nesting, plasma cutting documents,
- plasma-cutting,
- complete mounting/welding of all sections,
- complete mounting/welding of pins for insulation, piping, cabling,
- complete mounting of ready sections on steel hull at our client's premises



Aluship design = 64% weight saving !

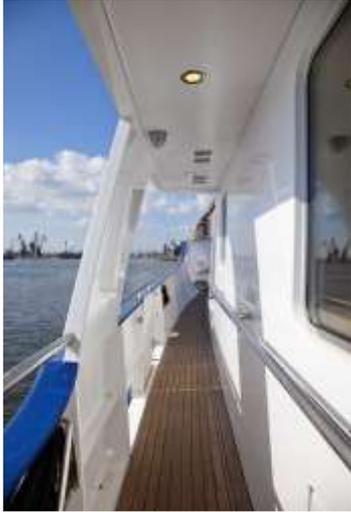
## Aluship Explorer 79



## Aluship Explorer 79



## Aluship Explorer 79



## Aluship Explorer 79



## „Anastasia“ 85m steel hull with Al-superstructure



## Navy Superstructures



Naval superstructures for TKMS Hellenic Shipyards

## 46m SAR aluminium hull



DGzRS rescue vessel „Hermann Marwede“

## 80m battery powered "Ampere I"



## 80m battery powered "Ampere I"



## Megayacht Superstructure



## Megayacht Superstructure



## Megayacht Superstructure



## Megayacht Superstructure



## Superstructures for Fishing Vessels



Superstructures for fishing vessels

## Conversion of upper aluminium and steel decks



Photo of the "Braemar" by dibbes

## Conversion of RCCL passenger vessels



## Structural repair of „Gotlandia II” within 25 days

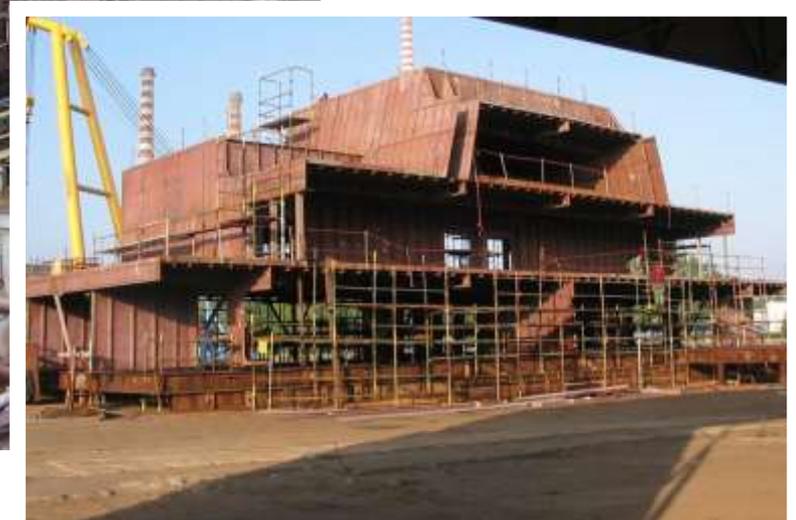


Foto: Maja Suslin / Scanpix

## Steel block with Outfitting for Offshore Supply Vessels (OSV)



## High-tensile steel blocks for "Pride of America"



## Steel hulls and constructions



## “Gina Krog” living quarter



## “Gina Krog” living quarter



## “Gina Krog” living quarter



## Stairhouses for Offshore platforms from basic engineering to final commissioning



## Offshore constructions



## Offshore constructions



## Compressor enclosure



## Air intake



## Air intake



## Air intake



## Air intake



## Emtunga Stairtower



## Offshore ventilation ducts



## Offshore ventilation ducts



## Inside of Anti-icing module



## Offshore zinned steel relings



## Steel ladder with Duplex elements



## Offshore davit steel foundation after welding and machining

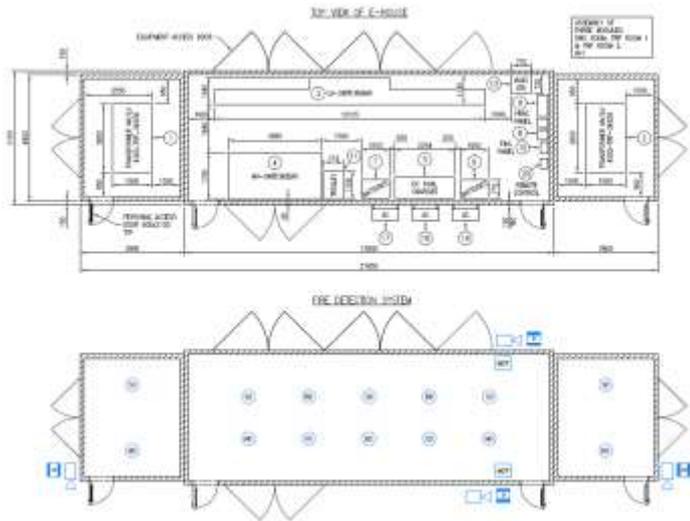


## Offshore relings with stainless and (super) duplex elements



## Engineering and manufacturing of E-houses and accommodation units

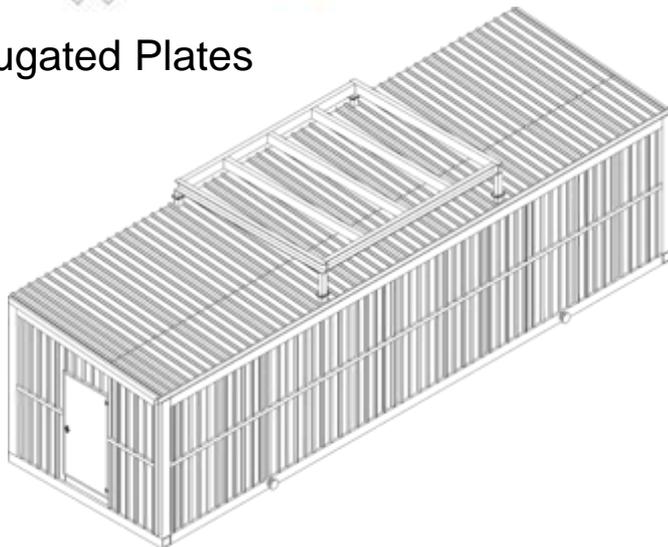
General Arrangement



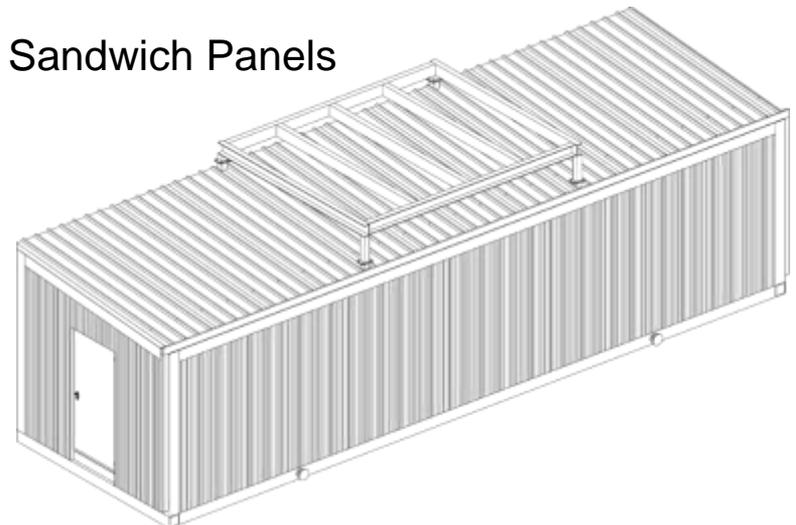
Structure Frame



Corrugated Plates



Sandwich Panels



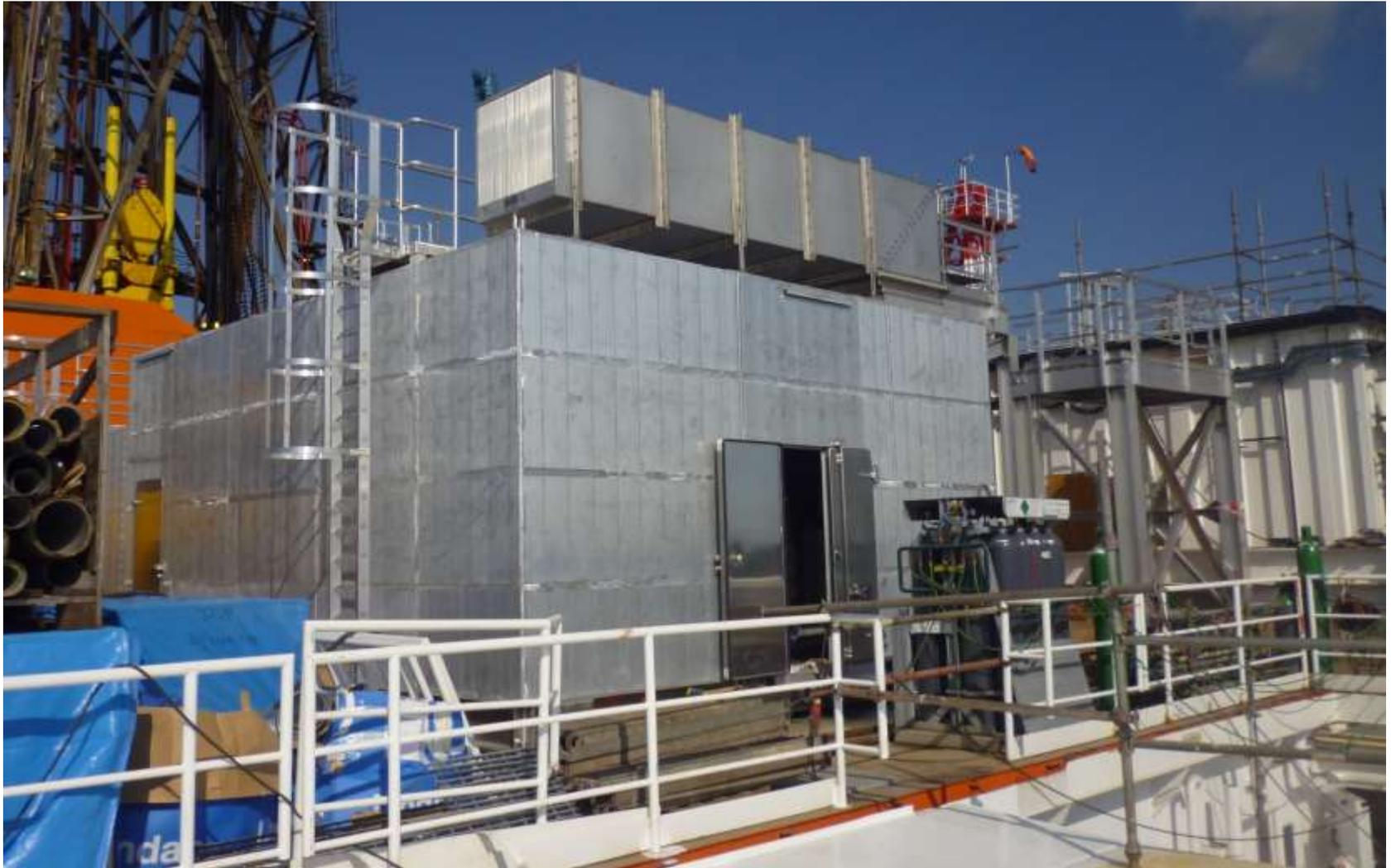
## Offshore container



## Plant Rooms



## Mechanical Enclosure



## High tensile steel offshore platforms



Worldwide service for construction and mounting



Grand Bahama Shipyard

Our team is permanently trained acc. HSE rules.



## Highly developed QAM+QC system

### Measuring equipment

Total Station 3D

Levelers

Laser Range finders

Roughness testers

Thickness testers

Hygro & Thermometers

Steel tapes, welding gouges, Calipers, etc.



## Certificates



Lloyd's Register ISO 9001

ISO 45001      ISO 14001



Certified by all major IACS.



EN 1090-1,2,3      ISO 3834-2



and others...

## Thank you

Thank you for the time,

We sincerely hope this presentation has helped to find out who we are and what we can do for you.

Please do not hesitate to contact us.

Looking forward to hearing from you

Kind regards

*Götz Linzenmeier*

Chairman / Founder

Telephones

Fax

Email:

Website:

+48 58 506 68 68

+48 58 506 68 69

[contact@aluship.com](mailto:contact@aluship.com)

[www.aluship.com](http://www.aluship.com)