



## Heerema Fabrication Group – Zwijndrecht Yard

**Bart Pluijmers**  
Asset & Facility Manager

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# Heerema Group



**Offshore  
Engineering & Fabrication  
Contractor**



**Offshore  
Transport & Installation  
Contractor**

## ■ Activities

- Engineering, Procurement & Construction of large steel constructions and assemblies for the offshore oil & gas and energy markets (20.000 – 40.000 t/yr)
- Fixed platforms (jackets & topsides) and subsea structures

## ■ Facilities

- Largest covered manufacturing facilities in Europe with access to sea

## ■ Locations

- Fabrication yards positioned around the North Sea, Zwijndrecht and Vlissingen (the Netherlands) and Hartlepool (UK)
- Fabrication workshop in Opole, Poland
- Engineering office in Zwijndrecht, the Netherlands



# Heerema Fabrication Group locations



## Yard specifications

**Yard** : Heerema Hartlepool  
**Total area** : 76,401 m<sup>2</sup>  
**Quayside** : 355 m for large load-outs

**Yard** : 'Victoria Dock'  
**Total area** : 28,090 m<sup>2</sup>  
**Main hall** : 100 x 37 x 20 m (LxWxH)  
**Cranes** : 2x 30 t, 19 m below hook  
          1x (20 t + 20 t), 18 m below hook  
**Prefab hall** : 60 x 31 x 6 m  
**Cranes** : 3x 10 t, 7.4 m below hook

**Yard** : 'Greenland Road'  
**Total area** : 48,311 m<sup>2</sup>  
**Main hall** : 100 x 37 x 30 m (LxWxH)  
**Cranes** : 2x (40 t + 40 t), 29 m below hook  
          2x (20 t + 20 t), 30 m below hook  
**Prefab hall** : 100 x 37 x 8.1 m  
**Cranes** : 4x 10 t, 8.1 m below hook



## Yard specifications

**Yard** : Heerema Vlissingen  
**Total area** : 200,000 m<sup>2</sup>  
**Quayside** : 720 m  
(450 m for heavy load-outs)

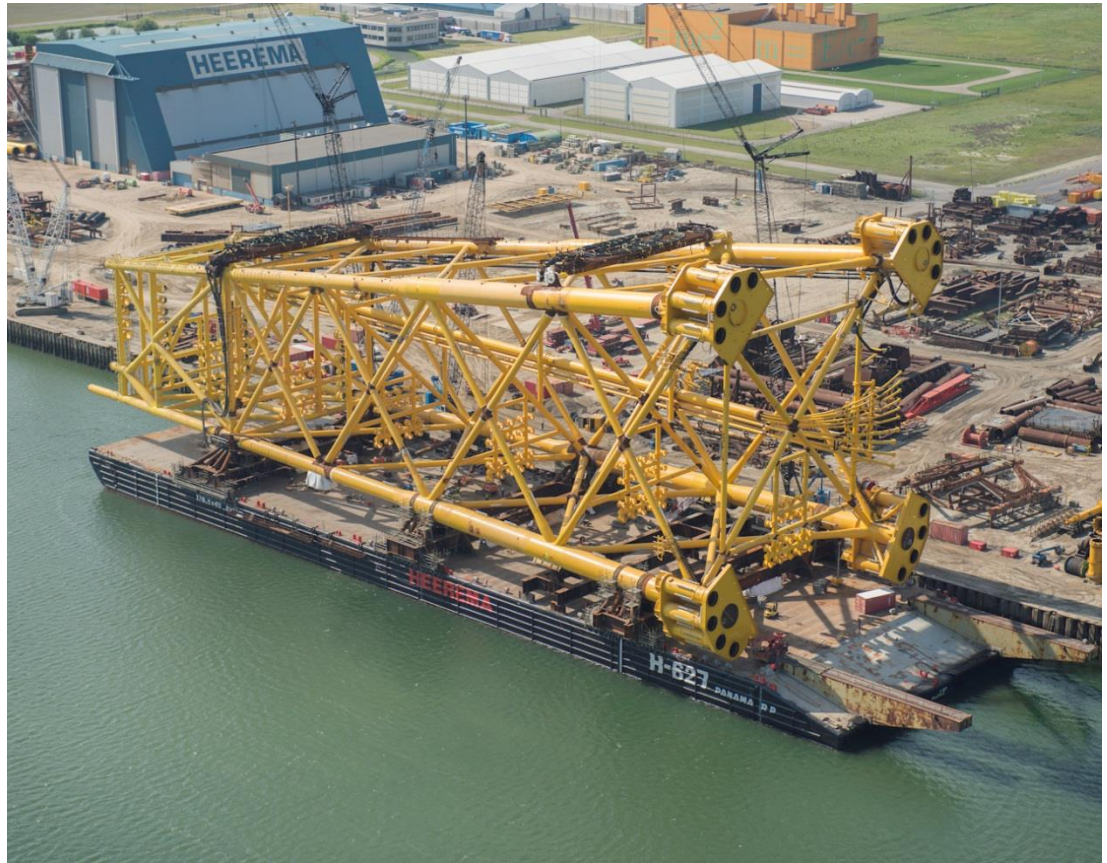
**Main hall** : 100 x 37 x 30 m (LxWxH)  
**Cranes** : 3x 40 t, 30 m below hook

**Prefab hall** : 100 x 40 x 8 m  
**Cranes** : 6x 10 t

### Blasting & painting

**Workshop** : 1: 72 x 27 x 10 m  
2: 72 x 10 x 6 m  
3: 25 x 25 x 6 m

**Pipe shop** : 70 x 15 x 4 m



## Workshop specifications

**Yard** : HFG Polska

**Total area** : 32,300 m<sup>2</sup>

### Prefabrication

**hall** : 120 x 33 x 16 m (LxWxH)

### Height under

**hook** : 11.25 m each

### Accessibility four (4)

**doors** : 9x14m, 6x9m, 4x6m, 4x6m

### Two (2) overhead

**cranes** : 2x 30 t lifting capacity,  
main hoist 32 t,  
auxiliary hoist 8 t  
lifting height 11.25 m

### Five (5) column

**cranes** : main hoist 2 t, up to 5 m  
rotation 180°



## Yard specifications

**Yard** : Heerema Zwijndrecht

**Total area** : 146,000 m<sup>2</sup>

**Quayside** : 680 m for large load-outs

**Main hall 1** : 204 x 50 x 35 m (LxWxH of doors)

**Cranes** : 280 t

**Main hall 2**: 132 x 50 x 43 m (LxWxH of doors)

**Cranes** : 300 t

**Prefab hall** : 132 x 23 x 6 m

**Cranes** : 7x 5 t

**Pipe shop** : 102 x 60 x 9 m

**Cranes** : 6x 5 t

### Blasting & painting

**Workshop** : 1x 50 x 24 x 8.5 m

1x 50 x 24 x 9.5 m

1x 80 x 12 x 4 m





- Eigen personeel 350 personen
- Ingeleend personeel 600 personen
- Subcontractors 1000 personen

# Topsides | Oil & Gas



BP Valhall – 11,900 t



Nexen Buzzard PS deck – 6,000 t



October 2010 Chevron A12 – 3,200 t



RWE Breagh – 1,290 t

# Jackets | Oil & Gas



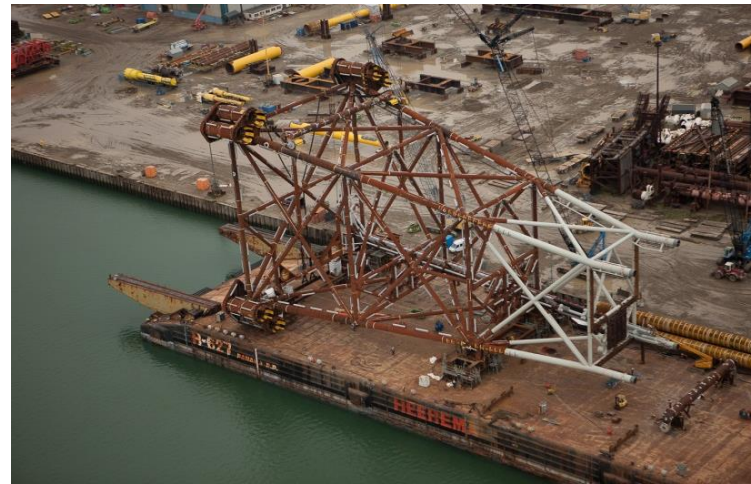
Statoil Valemon jacket– 9,150 t



ConocoPhillips Britsats jacket– 6,500 t



Nexen Buzzard jacket - 3,500 t



RWE Breagh jacket– 1,700 t

# Platforms | Oil & Gas



Petro Canada De Ruyter – 7,300 t (excl. GBS)



RWE Clipper South platform – 3,200 t



October 2019 BG Hasdrubal platform – 2,550 t



Centrica Ensign - 1,000 t

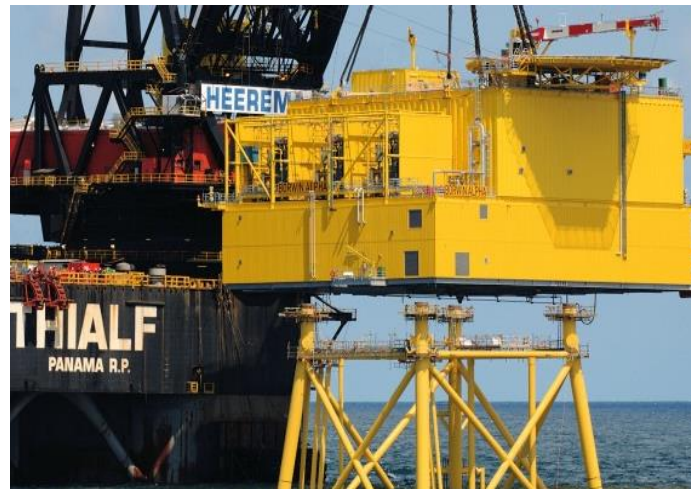
# HVDC Converter Platforms | Offshore Wind Energy



HelWin beta – 14,700 t



DolWin alpha - 13,400 t



BorWin alpha – 4,800 t

# Heerema Fabrication Group | Milestones



**2010**

Project: **Valemon Jacket**

Client: Statoil

Milestone: EPC of the giant 9,150 t, 160 m high jacket and additionally wellhead module. The largest and safest ever liftable jacket built by Heerema Vlissingen.

**2009**

Project: **F3-FA Self-Installing Platform**

Client: Venture North Sea Oil Ld.

Milestone: EPCI of a Self-Installing gas production platform with a total weight of 8,800 t.

**2007**

Project: **Valhall Re-development topside**

Client: BP Norge

Milestone: Largest integrated production facility ever built indoors at Heerema Zwijndrecht. Weight over 13,000 t.

**2007**

Project: **Tombua Landana**

Client: Cabina Gulf (Chevron)

Milestone: 3,000 t template built with 3 millimeters precision!  
190 m long foundation piles each, longest ever fabricated.



# Heerema Fabrication Group | Milestones



**2004**

Project: **De Ruyter platform**

Client: Petro-Canada

Milestone: 10,000 t GBS, 5,300 t Topsides and 2000 t Jackets  
Simultaneously built in Holland and Dubai.

**2003**

Project: **Buzzard topside**

Client: Nexen Petroleum

Milestone: 11,500 t Utilities & Quarters deck, the largest  
Topside ever built at Heerema Hartlepool



**2001**

Project: **Kizomba A**

Client: Exxon Angola

Milestone: EPCI of a 30,000 t TLP,  
largest integrated project by Heerema Zwijndrecht.

**2000**

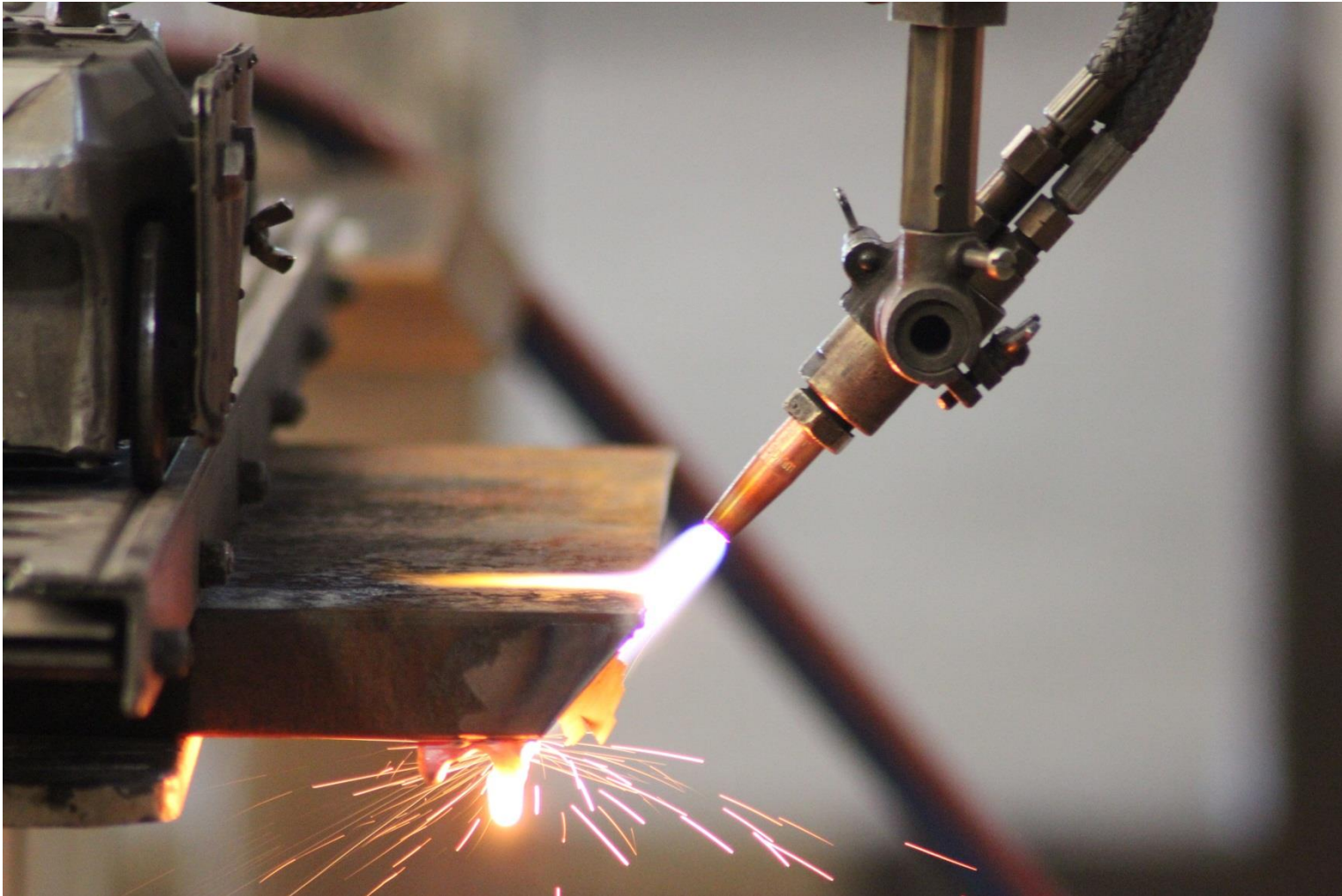
Project: **Ringhorne Integrated Platform**

Client: Esso Norway

Milestone: Largest integrated topside ever built at Heerema  
facilities in Norway and the Netherlands.  
Total weight approx. 25,000 t



# Branden

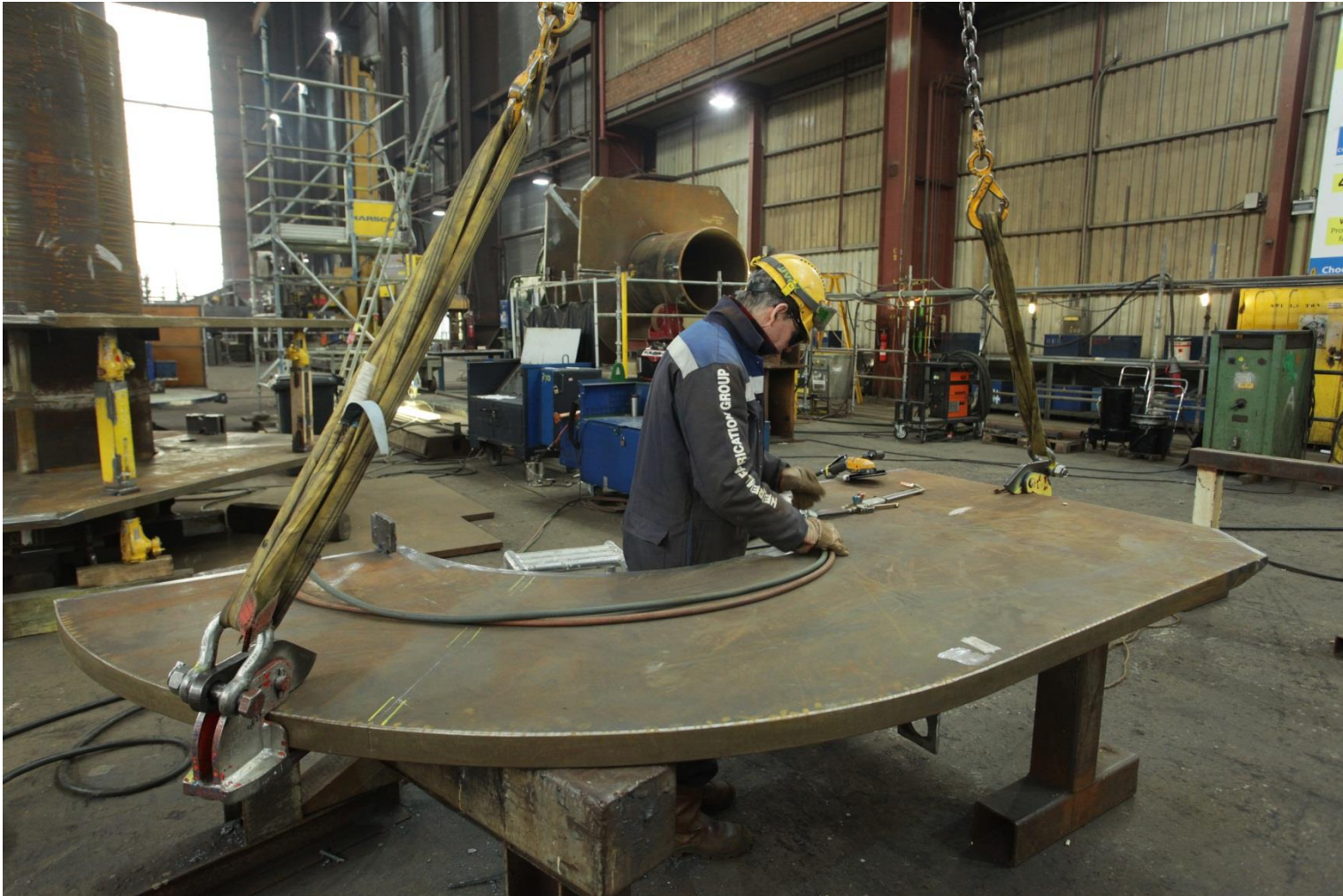




# Slijpen



# Meten





Lassen



# Lassen



# Sectie Bouw



# Sectiebouw



# Stralen en conserveren





# Transport naar Assemblage hal



# Aan- en samenbouw



# Installatie deksectie



# Aan- en samenbouw



# Montrose BLP Topside



**Client** : Talisman Synopec Energy UK Ltd.  
**Location** : UKCS Block 22/17  
207 km East of Aberdeen  
**Scope** : Construction  
**Contract Award** : LOI 5 November 2012

**Yard** : Heerema Zwijndrecht  
**Engineering** : CB&I John Brown

**Sail away** : April 2016  
**Type** : **Bridge Linked Platform (BLP) Topside**

**Weight** : 11,000 t

**Size** : 75 x 44 x 40 m (LxWxH)  
excluding crane and flare



# Alba PSC B3 Compression Platform



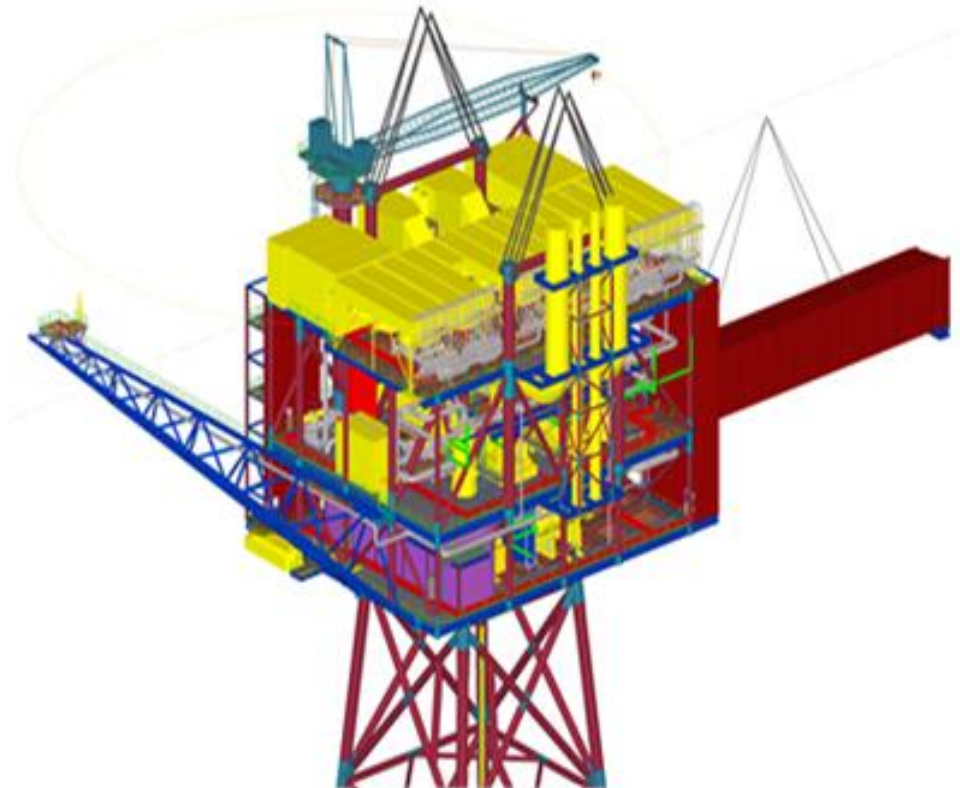
**Client** : Marathon E.G. Production Limited  
**EPC Partner:** IV  
**Location** : Equatorial Guinea  
**Scope** : EPCI + HU&C  
**Award:** : March 2013

**Project mgt** : HFG Engineering Europe  
**Yard** : Heerema Zwijndrecht (Topside)  
: Heerema Vlissingen (Jacket)  
**Engineering:** Iv-Oil & Gas  
**T&I** : Heerema Marine Contractors

**Type** : **Topside**  
**Weight** : 4,500 t  
**Size** : 40 x 40 x 35 m (LxWxH)  
**Sailaway** : September 2015

**Type** : **Jacket**  
**Weight** : 1,500 t  
**Size** : 33 x 33 x 81 m (LxWxH)  
**Sailaway** : September 2015  
**Water depth** : 77 m

<b>Type</b>	: <b>Bridge</b>	<b>Flare</b>
<b>Size</b>	: 30 m	70 m
<b>Fabrication</b>	: Local E.G.	Local E.G.



# Marathon Alba B3, (Compression-Project)



# Een selectie van onze klanten



BG GROUP





Vragen?

