



# HSM *offshore*

EPCI platforms and modules

an **ANDUS** group company





## HSM Offshore

### History

HSM Offshore has delivered its first structure for the Offshore Energy sector in 1962 and has since continued to be a reputable supplier of complete platforms and modules, having today successfully completed some 150 projects.

Since 2004 the company is part of the Andus Group, an organisation with a strong financial basis and additional structural fabrication facilities and resources within the Netherlands.

### EPC & EPCI Capability

During the past decade EPC and EPCI projects have become increasingly important and have allowed HSM Offshore to specialize in these disciplines, whereby concept design and FEED studies are today also part of its offering.

This puts HSM Offshore in an ideal position for very early involvement in asset development, being able to provide basic designs, complete with full costing and schedule for the purpose of internal review and approval by its customers. Focus is on cost efficiency, constructability, alternative T&I methods, possible re-use and low cost decommissioning.

Given the mature status of the North Sea market, this offering will allow operators to fully focus on their core skills and to develop their assets in a quick and efficient manner.

### Facilities and Resources

The fully owned premises are situated in the Rotterdam harbour area and include extensive covered fabrication facilities, blasting and painting halls, large warehouses, deep water quaysides with jetty and open North Sea access. Full details can be found on the reverse side of this brochure.

Large dry dock and shipyard facilities are available across the water, offering excellent FPSO access.

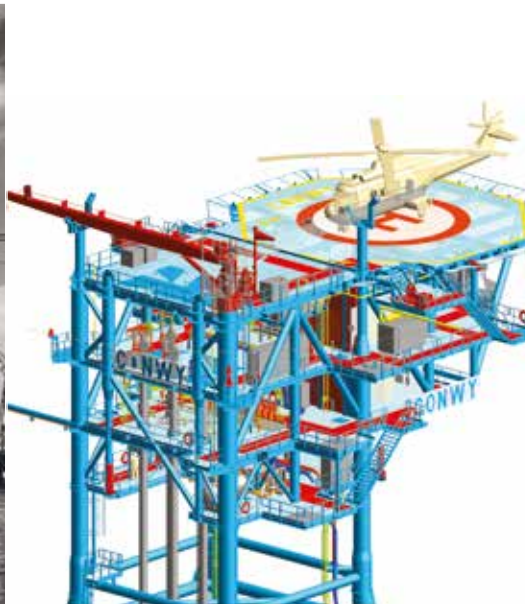
Client offices with 70 FTE capacity are situated near the main entrance.

HSM Offshore experienced and highly qualified staff has an average employment well in excess of 15 years, many having started as an apprentice or trainee.

An extensive pool of qualified welders as well as reputable subcontractors for E&I, Piping and Heavy Lift services are based in the direct vicinity of HSM Offshore premises.



First project 1962



FEED & Engineering



Construction

## QA/QC and HSE

HSM Offshore boasts an excellent performance record on Quality, Health, Safety and Environment.

The Quality, Safety and Environmental Management systems have been independently audited and certified for more than 20 years.

## Concept studies - FEED - Detailed Engineering

HSM Offshore has for several projects provided concept design and FEED studies to define the optimum development solution for oil and gas assets, making extensive use of its long term experience obtained from many projects delivered.

This enables HSM Offshore to provide full and detailed information on the preferred concept, schedule, overall costs and T&I options.

This is valuable input for client internal approval procedures whilst HSM Offshore will fully commit to the study output when awarded the contract.

Modifications and additions on the host platform (i.e. reception/ process modules) can be included into the scope of work.

## Project Management

The flat organisation of HSM Offshore is characterized by open and short communication lines.

Highly skilled and experienced project management staff is a major company asset.

Long term relationships with key suppliers and subcontractors allows HSM Offshore to maintain firm control on safety, quality, planning and costs.

A fully integrated Project Team, consisting of the client site team, HSM Offshore and its major subcontractors, will be permanently based on HSM Offshore premises throughout the project execution phase.

The Primavera P6 planning programme has been fully implemented and allows close progress monitoring and comprehensive reporting.



Transport & Installation



FPSO modules



## Procurement and Subcontracting

Procurement and subcontracting is done in close cooperation with the engineering subcontractor and fully covers the provision of requisitions, data sheets and technical review.

External auditing and expediting will ensure timely and flawless delivery.

Climate controlled warehouses are available to store equipment and to allow for early delivery.

## Construction – Assembly – Pre-commissioning

Modern large construction and assembly halls in combination with highly qualified and experienced construction staff are prerequisites for the highest quality and on time delivery.

Further key features are heavy lift overhead cranes, automated welding, plasma steel cutting and own preservation shops on the premises as well as 600+ FTE facilities.

This enables HSM Offshore to complete the highest level of pre-commissioning prior to rollout making use of its own or clients commissioning programmes.

## Transport and Installation

SPMT's, heavy lift mobile and floating cranes are all readily available to facilitate cost efficient and safe loadout operations at the deep water high strength quayside. A 270 metre jetty is available for final sea transport preparations and to accommodate the barge up to sail-away. The services of HSM Offshore also include the provision of all grillages and seafastening.

HSM Offshore has extensive experience with offshore transportation and installation of platforms and modules, either through integral subcontracting to a Heavy Lift contractor or through managing all resources such as barges, tugs, floating sheer legs, pile driving/grouting equipment and ROV-services.

HSM Offshore staff manages all interfaces offshore, with back-up from its onshore support organisation.

## Hook-up and Commissioning

Prior to final handover to the client, HSM Offshore will undertake full offshore hook-up and final commissioning, being supported by its subcontractors and OEM staff.

For client convenience, the provision of temporary accommodation, construction support and offshore transportation can be arranged as well.



Compression module 1,600 tonnes



Two gas platforms delivered within one year



Re-usable platform with suction piles



## Construction facilities

<b>Total area</b>	75,000 square metres
<b>Covered production area</b>	12,000 square metres
<b>• Prefabrication and steel cutting shop</b>	50 x 40 x 9 metres, crane lift 4 x 16 tonnes
<b>• Assembly shop (hall 1)</b>	102 x 19 x 6 metres, crane lift 3 x 10 tonnes
<b>• Assembly shop (hall 2)</b>	102 x 26 x 19 metres, crane lift 2 x 50, 1 x 25 and 2 x 10 tonnes
<b>• Assembly shop (hall 3)</b>	77 x 40 x 32.5 metres, crane lift 4 x 40 tonnes
<b>Painting and preservation facilities, fully conditioned</b>	Shop 1: 30 x 20 x 10 metres Shop 2: 30 x 14 x 7 metres

<b>Open assembly area</b>	15,000 square metres
<b>Travelling gantry cranes</b>	40 tonnes 15 tonnes
<b>Fully conditioned warehouses</b>	2,000 square metres
<b>Loadout quay</b>	50 metres wide, berthing all types of offshore barges, sheer legs, no weight limitations
<b>Jetty</b>	270 metres
<b>Water depth</b>	9 metres



HSM Offshore facilities in Rotterdam harbour



EPCI gas platform

# Serving the industry



## Manufacturing

FIB Industries  
Gouda Refractories  
Nedstaal Special Steel  
Van Voorden Castings

## Services & Maintenance

Gouda Vuurvast Belgium  
Gouda Vuurvast Services  
Gouda Feuerfest Deutschland  
ISS Projects Slovakia  
Lengkeek Staalbouw

## Contracting

Armada Janse  
Armada Mobility  
HSM Offshore  
HSM Steel Structures  
RijnDijk Construction

## Part of a greater whole

HSM Offshore is part of Andus Group. The subsidiaries of Andus Group have one aim: Serving the industry. And they have one characteristic in common: to be the best within their own specialisation. On specific projects, group companies work together, combining their experience and resources. Andus Group is a company with 1.100 employees and an annual turnover of over EUR 300 million which can realise any industrial project in any segment. The ambition is clear: the Andus Group companies are always aiming to achieve maximum client satisfaction. This requires high quality, experienced and skilled project management and the use of innovative methods when designing, producing and realising projects. That is why Andus Group can continue to further strengthen their possibilities at the top of the different market segments.

In short : Andus Group is a powerful and reliable partner completely geared to your success.



### HSM Offshore BV

Westfrankelandsedijk 9, Haven 528, P.O. Box 212, 3100 AE Schiedam NL  
T +31 (0)10 - 427 92 00  
F +31 (0)10 - 427 93 01  
E sales@hsm.nl  
I www.hsm.nl

### Andus Group BV

Voorstraat 56, 4132 AS Vianen NL  
T +31 (0)30 - 211 58 00  
F +31 (0)30 - 820 05 80  
E info@andusgroup.com  
I www.andusgroup.com

