



100 million kilos and counting

With an enviably-long history as EPCI provider of offshore high voltage substations, HSM Offshore B.V. has racked-up a seriously impressive track record in delivering heavyweight multidiscipline projects for the offshore industries. We take a look at the company's history and apparently buoyant future...

Last year, HSM Offshore was awarded the contract for the provision of the Energinet.dk Horns Rev C Offshore High Voltage Substation. This is the third consecutive OHVS project that HSM Offshore will undertake for the Horns Rev offshore wind farm.

The company's track record in this particular field began in 2002, when they were entrusted with the execution of the EPCI (Engineering/Procurement/Construction/Installation) Contract for the first Offshore High Voltage Substation, destined for the first phase Horns Rev A offshore development, Denmark.

The second OHVS, covering the Horns Rev B development, was delivered and installed in 2008.

Returning for the third consecutive OHVS project is testament to the fact that HSM Offshore have performed to the full satisfaction of their client Energinet.dk, who are responsible for the complete grid connections of the Danish offshore wind farms.

Moreover, the three projects have seen considerable growth in transformer capacity and deck weight, being 160MW/1000Te, 250MW/1300Te and 400MW/1800Te respectively.

A 2200 Te / 325 MW OHVS was delivered for the Belgian C-Power Thornton Bank offshore wind farm in 2012.

The first ever project undertaken by HSM Offshore for the Upstream Energy sector goes back to as far as 1962, when steel jackets for oil platforms in Lake Maracaibo, Venezuela, were delivered.

Since then, no less than 30 topsides (decks), 22 jackets and 64 modules have been successfully delivered to the international Offshore Energy sector, representing a total weight in excess of 100,000,000kg!

Many of these projects were carried out on the basis of either EPC or EPCI contracts, which gives HSM Offshore a special position, being able to take the full responsibility and liability for complex platform and module projects, from concept design to final hook up and commissioning on the offshore site.

This is of particular interest to both independent operators in the Oil & Gas sector and to the utilities in the offshore renewables sector, allowing them to focus on their core business.

Facilities

HSM Offshore owns extensive modern facilities, strategically located in the greater Rotterdam harbour area, with unrestricted North Sea access, i.e. no locks, or bridges which would prevent vertical shipment of jackets or the transport of large and wide structures.

The total area of 75.000 m² comprises amongst others 12.000 m² covered and climate controlled production halls, which allow HSM Offshore to fully construct, assemble and pre-commission platforms and modules indoors with optimum conditions. This guarantees the highest levels of quality and a firm control on delivery schedules.

For procured and client free-issued materials there is in excess of 1.400 m² covered and climate controlled storage. Fully-equipped modern client representative offices can accommodate up to 75 staff.

Steel structure blasting and painting facilities are also situated on the HSM Offshore premises, with the company's own staff performing these critical processes, including PFP coating and TSA spraying.

In particular for the provision of modules for existing facilities, it is of paramount importance to reduce weight where possible. HSM Offshore has therefore extensively invested in the development of welding procedures and qualifications for higher tensile steel (i.e. 460 N/mm² quality) which is being applied extensively in projects today.

A deep water load out quay rated for 5.000 Te and a 270 m jetty offer excellent opportunities for large and complex load out operations onto seagoing barges, making use of a large fleet of floating sheer legs, SPMTs and mobile cranes.

Human resources

The most important resource however is the loyal and highly experienced personnel of HSM Offshore. The 105 staff on the payroll have, on average, been with the company for more than 15(!) years, which is considered unique in this business and enables HSM Offshore to take on the





significant responsibilities and liabilities associated with EPCI contracts.

In addition to the sound financial status of the company, the Parent Group ANDUS Holding provides a solid backup based on excellent financial rating as confirmed by Dunn & Bradstreet. Moreover, extensive additional fabrication facilities and resources are available within the group.

Safety first

State-of-the-art Quality Management system certification includes ISO 9001, EN 1090-1 and ISO 3834-2 by DNV. The HSE management systems in place have allowed HSM Offshore to maintain an excellent track record on Safety and Environmental performance, a licence to operate.

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Covering both the Offshore Oil & Gas and Offshore Renewables sectors, HSM Offshore is fully registered with the FPAL, Achilles and Sellihca Data Bases, whilst for FPAL the Verify Assessment certificate has been obtained following successful annual audits with a focus on Health & Safety and Competence training.

A look to the future

Both 2013 and 2014 have been very busy years for HSM Offshore, having successfully delivered: two platforms for GdFSuez, one for EOG Resources, one compression module for Talisman Sinopec Energy, and one compression platform for the Shell UK Leman complex, the latter being the largest fabrication project completed until now and the total combined weight of these projects being in excess of 13.000 Te.



The current order book features a gas platform for Petrogas, a compression module for GdFSuez, a large process module for Aker/Talisman Sinopec and the already mentioned OHVS for Energinet Horns Rev offshore wind farm.

For upcoming OHVS projects, HSM Offshore has identified many good

opportunities and is actively bidding for several of them.

With their long term experience and unique EPCI track record, HSM Offshore are confident of being awarded further contracts in this challenging market. ■

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