



FIRETEX® M90/02 PROTECTS OIL AND GAS FIELD DEVELOPMENT

The Johan Castberg Floating Production Storage and Offloading (FPSO) topsides and process modules project – which is owned by Equinor, designed by Aker Solutions AS and being constructed by Kvaerner AS – consists of the development of three fields Skrugard, Havis and Drivis in the Barents Sea located approximately 240 km from Hammerfest in Norway.

The water depth is approximately 380 m. The FPSO is a self-contained unit including living quarters and with all necessary process, utility and hull systems for operation in a harsh Barents Sea environment. The FPSO will be permanently moored by means of an internal turret mooring system.

THE FIELD'S PRODUCTION CAPACITY IS EXPECTED TO BE 200,000 BARRELS OF OIL EQUIVALENT PER DAY OVER AN ESTIMATED OPERATIONAL LIFE OF 30 YEARS.

OWNER:
Equinor

CONTRACTOR:
Kvaerner AS

FROM SPEC TO PROTECT
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JOHAN CASTBERG FPSO, NORWAY



CHALLENGE

With the fabrication of the topsides and process modules for the project taking place across five locations throughout Norway and Poland, it meant the construction of the FPSO required seamless lines of communication 24/7 and effective cross-border coordination between multiple teams of different engineering contractors including the team at Sherwin-Williams Protective & Marine Coatings.

SOLUTION

The well-proven fire protection FIRETEX brand and its hydrocarbon protection product M90/O2 was chosen for its ease-of-application, while the Sherwin-Williams technical team provided training, support and inspection in multiple locations across Europe.

Mikael Wendel, Regional Sales Manager, Northern Europe, project manager for Sherwin-Williams Protective & Marine Coatings, said: "We are proud to have professionally delivered the passive fire protection scope of the project at the most optimised cost to the contract chain and in a timely manner with excellence in safety and quality standards.

Our high level of teamwork with the design engineer, Aker Solutions AS, and the construction contractor, Kvaerner AS, played an important role in completing this "fast track" task in hand. Careful project execution planning and forecasting was key in providing safety and quality standards.

"The credit goes to project engineers, procurement teams, construction engineers and applicators of the contractors as well as the production, customer service, warehousing and technical teams at Sherwin-Williams EMEA."

FIRETEX M90/O2 provides up to four hours of fire protection, while providing a corrosion-resistant protective coating for the design life of the asset. With low spray applied density, reduced film build requirements and high performance properties, FIRETEX M90/O2 is highly recommended for both onshore and offshore structures.

OUTCOME

Emil Benthien Høie, project procurement lead for Kvaerner AS, said: "The Sherwin-Williams Protective & Marine Coatings team has always been prepared to go the extra-mile since the early stages of discussions, with great sense of professionalism, customer care and quick response times to deliver for our requirements. They have created the highest value for the project and provided excellent service for us before and throughout the construction phase".

Ole Bernhard Clausen, technical lead for PRE Surface Protection and Passive Fire Protection, on behalf of Kvaerner AS, says: "We have used Sherwin-Williams' FIRETEX brand of intumescent passive fire protection in other projects in previous years, so we were aware of the quality of the material.

"However FIRETEX M90/O2 product applications conducted before and throughout the project proved once again that the material was easy to apply both manually and by airless spray. The Sherwin-Williams Protective & Marine Technical Service team supported us in the field whenever we needed them – one of the reasons why we are able to deliver our scope of the project in line within agreed plans and timelines."

FEATURED PRODUCT

- FIRETEX M90/O2

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