

Falcon FPSO

Case history 2007

Focus product: Intershield® 300

Year of project: 2000

Location: Keppel Tuas Shipyard, Singapore

Type of project: FPSO Conversion

Project owner/lessor: SBM Offshore

Operator: ExxonMobil

Intershield 300 was used to protect over 145,000m² (1,560,767ft²) of steel including the water ballast, cargo, slop tanks, heli-deck and mooring area. Intershield 300 was applied onto pitted steel in the tanks after abrasive blasting to Sa 2.5.

On inspection after seven years in service less than 1.5% corrosion was seen in the slop, cargo and water ballast tanks. The Falcon FPSO has operated in the Yoho field off Nigeria with a 99.6% uptime record.



Heli-deck

Coatings performing well



Pitted steel

Heavy pitting in good condition



Water ballast tanks

Transverse frame in excellent condition with no breakdown or defects



Cargo oil tanks

Excellent edge condition on longitudinal stiffeners



Slop port tank

Deckhead with no corrosion