

INDUSTRIAL CASE STUDY

SUB SEA APPLICATION



SITUATION

Deep sea equipment made from carbon steel needed a superior high performance coating that would hold up to the corrosive effects of salt water at a depth of 10,000ft. The coating had to withstand high impact and heavy abrasion without failure. Also, the equipment required UV and corrosion protection while in storage. A solution with a fast turn-around time was required so that the equipment could be put into service in a smooth and efficient way.



SOLUTION

The preparation involved sandblasting, followed by LINE-X XPM primer to ensure great adhesion. LINE-X XS-350, a pure polyurea developed by LINE-X, was then applied via high pressure spray equipment. A final UV Stable topcoat was applied to the XS-350 coating straight after application. The UV stable topcoat ensured the equipment would retain its full colour while in open storage.



RESULTS

Completed in 2013, the deep sea equipment has been in use for more than 2 years and is still in service today. Prior to application, the LINE-X coating was tested to 10,000 ft below sea level, and passed all required tests set out by the customer. It met all their demands which included the prevention of corrosion which is a constant problem within a salt water environment.

PROJECT OVERVIEW: Sub Sea Salt Water Protection For Carbon Steel Deep Sea Equipment

PRODUCTS USED: LINE-X XS-350; LINE-X XPM Primer; LINE-X Premium Top Coat



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