INDUSTRIAL CASE STUDY

DRESSING ROOM & WET ROOM FLOOR
FLOATING PRODUCTION STORAGE AND OFFLOADING VESSEL

SITUATION

Floating production storage and offloading (FPSO) units are floating vessels used by the offshore oil and gas industry for the production and processing of hydrocarbons, and for the storage of oil. FPSO's, such as the Yúum K'ak' Náab, located 105 km off the coast of Ciudad del Carmen, house thousands of staff over the numerous years in service.

The Yúum K'ak' Náab vessel had health and safety issues with their dressing room and wet room areas. The tiled flooring is under consistent foot traffic as well as water and humidity creating a slippery surface and promoting the generation of fungi. BW Offshore, owners of the vessel, were looking for a solution to provide a safe flooring solution for their workers.

SOLUTION

LINE-X polyurea coatings and Mexican applicators ETM provided BW offshore with a quick drying flooring solution that could cover the existing tiles whilst providing a non-skid textured finish and a seamless waterproof seal.

The applicators from ETM throughly cleaned and prepared the tile floor, then applied a urethane primer (XPM) to help promote a strong adhesion between the existing tiles and the layer of LINE-X. Once the primer was laid, the LINE-X applicator applied 2mm of XS-350, a pure polyurea by LINE-X. To ensure the new blue floor would not fade, a layer of LINE-X ULTRA, a thin-build aliphatic polyaspartic, was applied directly over the XS-350.

RESULTS

The final floor by LINE-X provided a reduced risk of slips on the tiled floor. The seamless waterproof membrane allows for an easy deep clean without the risk water seeping under the coating. The aliphatic LINE-X ULTRA top coat will ensure the colour will remain vibrant for years to come without the risk of fading or dulling.

PROJECT OVERVIEW: Fungus resistant flooring for the dressing and wet rooms of an offshore vessel

PRODUCTS USED: XPM Urethane Primer, XS-350 and LINE-X ULTRA

CERTIFICATIONS: MIL-STD-810F - Fungus Resistance

CLIENT: BW OFFSHORE