

CASE STUDY

Oil & Gas

Shell Mars Platform – Gulf of Mexico

OVERVIEW

Shell's Mars exploration and production rig is located 130 miles south of New Orleans in the Gulf of Mexico. Mars is not a solid steel structure, but a floating structure, also called a tension leg platform, and extends below 3,000 feet of water to the Gulf floor and is over 300 feet high above the ocean water.

PROBLEM

A competitor's phenolic grating was initially installed on the Mars offshore platform. The grating that was installed did not have a UV coating which eventually caused the grating to fade and lose structural properties.



SOLUTION

Within the past two years, Fibergrate's I6015 phenolic pultruded grating has replaced all initially installed competitor's phenolic grating, amounting to a little over 400 panels. The phenolic resin is Coast Guard Level 2 approved flame-resistant resin with a flame spread rating of 5 or less and a smoke index of 45 or less. Phenolic grating is designed primarily for the offshore industry, providing a safer environment for all offshore workers. In addition to the low smoke toxicity of phenolic grating, it is slip resistant and has corrosion resistant elements that stand up to the harsh salt water environment.



Due to the high quality of Fibergrate products and service, including on-time deliveries, Fibergrate has replaced this competitor as the vendor of choice for all future retrofit and new construction projects.

Project Specifications

Project

*Shell Mars Installation
Gulf of Mexico*

Application

Offshore Platform

Installer

Grand Isle Shipyard

Installation

Began in 2004 and will continue until all grating is replaced.

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