



On time, vessel-based offshore paint application

The Customer

ONGC India

The Problem

ONGC India, the largest oil and natural gas company in Asia has over 200 offshore structures, of which 170 are unmanned, well-head platforms. These unmanned platforms were in a severely corroded condition. These structures were maintained by resources on small speed boats which used to come to the site on a daily basis and return. These boats did not have the storage and usage space for the kind of equipments and coatings which are required to make the structures last longer and be called well-maintained. Surface maintenance work (both coating-application and refurbishing) was being done piecemeal, without the proper surface preparation or application. Essentially, ONGC was incurring a lot of expenditure without getting the desired results.



The Solution

A team comprising senior ONGC officials, workboat companies, paint manufacturers, applicators and repair and maintenance companies decided to set the platforms in order by floating workboat vessels that could accommodate the necessary workforce as well as the equipment. This would ensure that the refurbishment could take place in a planned manner, and be executed to ensure that the unmanned structures regained the look and feel of new structures.

JKSC swings into action:



Once JKSC was awarded the contract, JKSC mobilized 2 workboats with a capacity to house around 75 resources each and storage space for large compressors, paints, abrasive blasting materials and other necessary equipments.

The platforms were stripped down to their original state and then painted using a variety of cutting edge coatings from the helideck to the underwater legs. Each vessel was equipped with the high end machinery (including backups in case of equipment failure) and coatings. They were manned by our highly trained and experienced workforce who then stripped down to their original state and then painted using a variety of cutting edge coatings from the helideck to the underwater legs.

Benefits to ONGC



Reduced expenditure due to the facts that:

- >> The structures would not require frequent "touch up" jobs.
- >> Proper blasting and application techniques were used in the application of the coatings to ensure that the coatings applied lasted the desired period and actively resisted further corrosion.

Reduced down time due to the fact that the structures, once treated by JKSC would not require refurbishment for periods of upto 10 years.

