



CORROSERV (M) SDN BHD

CASE HISTORY ~ CH0001

COATING OF MUD AND SLUG PITS

THE CHALLENGE: This jack up rig is a mobile self-elevating drilling platform equipped with legs that can be lowered to the ocean floor until a foundation is established to support the drilling platform. The walls and floors of the mud pits are heavily corroded and it needs a good protective coating for long-term protection. However, the client would not allow abrasive air blasting, instead they want an alternative method of preparation. Due to the urgency of the repair job, they also want a coating that can be applied even when there is welding in progress on adjoining areas.

THE SOLUTION: The oil rig platform undergoes extensive repairs and mud pit area were prepared by cleaning with seawater. Afterwards, all corroded and pitted area were marked for power tool cleaning using needle guns, power wire brush and grinders to remove rust scales and other contaminants. In order that the surface should have minimum soluble salt contamination such as chlorides, Chlor*Rid solutions was used to assure the client that chloride contamination was brought down to the acceptable limits of less than 5 ppm. Corro Dur 561 White and Corro Dur 258 White and Haze Gray were chosen as the ideal coating for this application.

THE RESULT: A total of 5 mud pits and a slug pit were coated with Corro Dur coatings which exhibit hard and shiny surface due to Kevlar reinforcements that contributes to a very tough coating well suited to resist mechanical abrasions during agitating process.



APPLIED SYSTEM:
COATING

YEAR:
1999

LOCATION:
SINGAPORE

NO SEA TOO DEEP, NO JOB TOO TOUGH!

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