

Real-Time Metocean Measurement Programme Completed



Metocean Services International (MSI, Australia) has recently completed a 7-month project for Heerema Marine Contractors Australia Pty Ltd (HMC) in connection with Woodside Energy Ltd's North Rankin (NRB) development offshore Australia.

Initial involvement of MSI involved the provision of personnel to operate HMC equipment onboard the SSCV *Hermod* for the jacket installation in September 2011. This was followed by the provision of tide, wind, current and wave measurements for the NRB topsides installation. The topside of 23,600 metric tons, fabricated in Korea, was installed in 125m water depth with HMC's barge *H851*, currently the world's largest launch and float

over barge.

Equipment provided by MSI included duplicate integrated current / tide / wind systems and two Datawell 0.9m directional waveriders. Data from the current / tide / wind system were transmitted in real-time via radio to 2 vessels, as well as via satellite to MSI's offices where it was uploaded onto a password-protected website for the client to access. Data from the Waveriders were transmitted via radio to 2 vessels. Data was used to monitor the metocean conditions to support the onsite operations.

In addition, MSI provided trial weather forecasts through our partners AMI for comparison with the measured data and another forecast provider.

<https://www.hydro-international.com/content/news/real-time-metocean-measurement-programme-completed>
