

Lifting, Skidding and Loadout of Nakika Semi Submersible Platform

Client: Shell Oil

Engineering Contractor: Hyundai Heavy Industries



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Above: Nakika platform during fit-up of the deck to the hull.

Weighing in at 12,500 tonnes, the Nakika Deck owned by Shell Oil was lifted at Hyundai Heavy Industries fabrication yard in Ulsan, Korea.

Hyundai Heavy Industries awarded the contract to Fagioli PSC who set another world record by lifting the deck an incredible 55 metres using 38 of their L600 strand jacks.

The strand Jacks were operated using fourteen L12/8E power packs and two inter-linked remote computer control systems. The lift took approximately 30 hours in total to complete.

The lifting of the deck allowed the lower hull section otherwise known as the 'pontoon' (which consisted of four sections weighing a total of 7000 tonnes) to be skidded 120 metres underneath the deck. The skidding utilised four L600 jacks and two L2/70E power packs.

The use of Fagioli PSC's computer control system allowed precise synchronisation of the jacking system and precise control during the mating of the deck to the lower hull sections.

Once the deck had been connected to the lower hull section, the whole structure weighing 31,800 tonnes was loaded out onto a barge over a distance of 125 metres. The loadout took 22 hours and utilised eight of Fagioli PSC's L600 strand jacks and four L2/70D power packs.



Above: The deck prior to lifting

Below: The hull prior to skidding beneath the deck

