

Type of work:

Installation services

Location:

Yetagun, Myanmar

Materials:

230 metric tons UHPC material

Offshore days:

5 days

Project completed:

December 2011

GROUTING OF 8 SKIRT PILES FOR YETAGUN-C PLATFORM

DISCIPLINES:

- Offshore contracting services
- Grouting services for installation of subsea structures
- Provision of grouting services for offshore skirt piles

Skirt piles sleeves grouting with UHPC (Ultra High Performance Cementitious) material for Yetagun-C platform in Yetagun, Myanmar.

CLIENT

- TL Offshore Sdn Bhd

SCOPE

- To provide UHPC grouting work on 8 skirt piles sleeves using a small footprint grout spread consisting of 2 mixers and 2 concrete pumps, functioning as primary and secondary/back-up pumps.

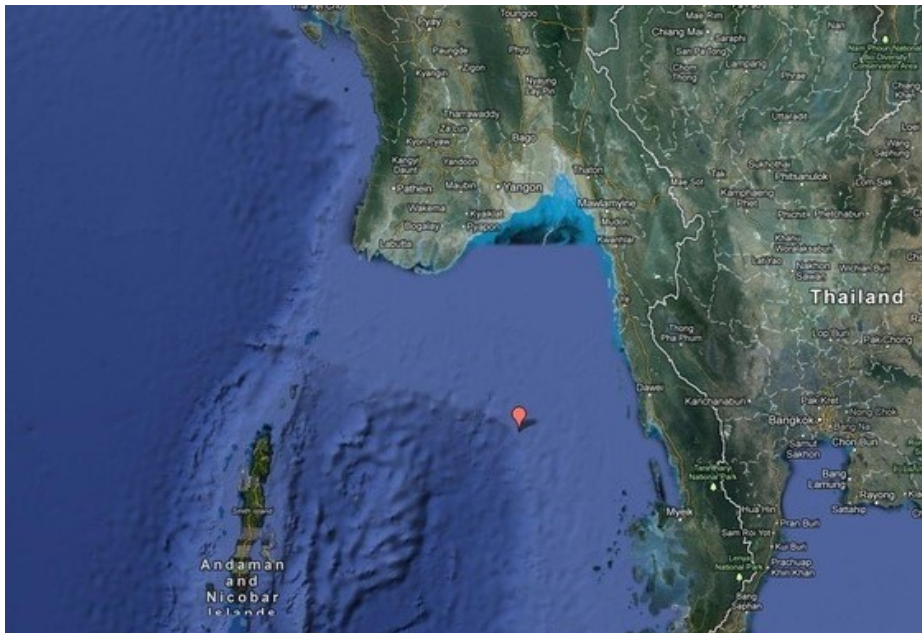
CHALLENGES

- Pumping of grout at approximately 104m water depth

SERVICES

- For the injection of the UHPC grout into the jacket skirt piles, a flexible 2" hose with camlock coupling end connections were used. The platform was preinstalled with a grout line system.
- A total of 230 Metric Tons of UHPC material was pumped into the annuli
- Nautec supplied a mobile offshore laboratory designed to meet the required standards in order to facilitate preparation, curing and testing of sample cubes of UHPC material pumped into each skirt pile.





UHPC, or Ultra High Performance Concrete and Composites are our business. We develop and produce UHPC products and we offer UHPC based solutions for multiple industries including the Renewable, Civil Construction, Ports, Offshore and Energy Industries.

We have documented the technical performance of our UHPC products through a large test program at MPA (Germany) which included creep and fatigue testing and we have carried out large-scale trials at low (European conditions) and high temperatures (Tropical conditions) to demonstrate the performance of our materials under severe weather conditions.

Our NaX® Premix Grouts are a portfolio of ultra high performance concrete and composites with strength and durability 10 times better than that of ordinary cement products.

- A total of 360 test cubes were cast for each skirt pile. The result of the crush test was submitted to the client for verification of grout strength.

CLIENT BENEFITS

- The use of high strength, fast curing UHPC grout material and the hiring of the lifting work barge allowed for the client to save time during the installation phase.
- The operations were successfully completed within schedule.

