



Type of work:

Providing grouting services for jackets braces

Client:

Larsen and Toubro, India

Location:

Mumbai High North, India

Materials:

170mt UHPC (Ultra High Performance Cementitious) Materials

Completion date:

February 2012

GROUTING OF JACKET BRACES FOR MNP & MNW PLATFORM, INDIA

DISCIPLINES:

- Structural Brownfield Engineering
- Offshore Contracting Services
- Strengthening and Repair of Subsea Structures



In January – February 2012 Nautech's engineering team worked jointly with Larsen & Toubro to design a grouted strengthening program for MNP and MNW platforms. During the engineering phase L&T Valdel consulted Nautech's engineering team to help develop a solution to strengthen members earmarked by them.

SCOPE

- To provide strengthening of 2 braces of MNW and 8 braces of MNP using methodology suggested by Nautech.
- The members to be grouted were situated at 10m water depth and air diving assistance was required to do grouting.

CHALLENGES

- A new interconnecting bridge between MNP & MNW along with additional loads due to design changes in the topside of MNP made ten of its members overstressed.

SERVICES

- Nautech used its self-designed quick fixing nozzles to install inlets in the members to be grouted.
- The entire grouting operation was finished in 5 offshore days.

CLIENT BENEFIT

- Nautech's engineering team develops solutions to help strengthen overstressed members using UHPC materials.