



**Location:**

Western Offshore,  
Mumbai, India

**Materials:**

25 Mt NaX® Q80  
9 Mt NaX® Q140E

**Client:**

Larsen and Toubro  
Hydrocarbon Engineering  
Limited

**Project date:**

February 2021

## STRENGTHENING OF FOUR HORIZONTAL MEMBERS OF WIS PLATFORM

**DISCIPLINES:**

- Brownfield
- Member repair
- Supply of NaX® Grout
- Offshore grouting services

### PROJECT SCOPE

- Supply of NaX® grout material.
- Supply of manpower and equipment.
- Grouting of members, quality checks and close out reporting.

### SERVICES

- Nautec carried out strengthening work on four horizontal members using grout infill methodology, carried out above water without use of divers.
- Supply of grout material, manpower, equipment and On-site QC checks.

### CHALLENGES

- Spider deck was in a deteriorated state and with minimum access for inlets/outlets preparations and grouting operation.
- Nautec fabricated inlet/outlets at locations, based on site condition and prepared hose layout using a safe passage.

### CLIENT BENEFIT

- Members were strengthened without using traditional way of member removal and welding. Grouting method took only 2 days whereas cutting old members and replacing them with new welded members would have taken months. This saved the client many offshore days for vessel, manpower and operational hassle.

### TESTIMONIAL

- “Excellent performance from all Nautec crew.”  
*Nishad Dabholkar, Manager, Larsen and Toubro Hydrocarbon Engineering.*

