

PROJECT:

Montara WHP Riser Replacement Programme

**under-promise
over-deliver**



CLIENT:
PTTEP AA
LOCATION:
Timor Sea
DATE:
2012



Following the Montara well blowout, the pre-installed Montara WHP was badly fire damaged. This effectively made the Topsides unserviceable, but left the Jacket and risers structurally intact. During removal of the damaged Topsides, and at the time of riser cutting, gas alarms were triggered and it transpired that H₂S gas was present. Water samples from the five risers were taken, with the subsequent discovery that significant Sulfate-Reducing Bacteria (SRB) contamination had occurred. Concerns about the potential for accelerated internal corrosion of the carbon steel risers, potentially leading to loss of integrity, were raised.

Linch-pin was invited by PTTEP AA to assist them with developing and managing a contingency campaign to prepare for and, if necessary, replace the Montara WHP risers.

This contingency campaign was run in parallel with Linch-pin's undertaking of the Riser Inspection Campaign.

Linch-pin's scope included:

- Concept development for fast track replacement of the risers adopting alternative spool and riser routings
- Development of budget, schedule, execution plan.
- Development of procurement plan for detailed design, procurement, fabrication and installation.
- Development of contracting strategies.
- Preparation of procedures for execution.

The successful implementation of the riser inspection process, and the associated positive results, led to the shelving of the replacement campaign prior to commencement of riser fabrication.

