

PROJECT:

Challis SALM In-Situ Assessment

**under-promise
over-deliver**



CLIENT:
PTTEP AA
LOCATION:
Timor Sea
WATER DEPTH:
105 m



The Challis Oil Field is located in the Timor Sea approximately 600 km west of Darwin. The Challis oil production facilities comprise a Floating Production Storage and Offloading vessel (FPSO) permanently moored to a Single Anchor Leg Mooring (SALM) with flexible flowlines tied back to subsea wells. The Field has been in production since 1989 and the combination of declining oil production and current oil price means the field is reaching the end of its economic life and therefore detailed plans need to be made for the decommissioning process.

Linch-pin was invited to model the Challis SALM to assess the likely condition of the system post disconnect of the FPSO and to analyse potential outcomes in terms of intact and damaged buoyancy tank cases to enable a robust understanding of the consequences of leaving the SALM in field for an extended period of time.

The works was executed using Orcaflex software.

