

PROJECT:

Jabiru RTM In-Situ Assessment

**under-promise
over-deliver**



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



The Jabiru Oil Field is located in the Timor Sea approximately 600 km west of Darwin. The Jabiru oil production facilities comprise a Floating Production Storage and Offloading vessel (FPSO) permanently moored to a Riser Turret Mooring System (RTM) with flexible flowlines tied back to subsea wells. The Field has been in production since 1986 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 Jabiru FPSO RTM in 120.9m water depth in the Timor Sea to assess the likely condition of the RTM system post disconnect of the FPSO, and to analyse potential outcomes in terms of intact and single line failed cases, as well as the consequences of buoyancy tank loss of integrity. This work was executed to ensure PTTEP AA had a robust understanding of the possible outcomes and consequences of leaving the RTM in field for an extended period of time.

The works were executed using Orcaflex software.

