

Value	\$34,900,000
Start Date	April 2001
Completion	July 2002
Client	Total Indonesia



Tunu Phase 8

INDONESIA, INDONESIA

Tunu is a gas and condensate field on the outer margin of the Mahakam Delta, partly onshore in swamp areas and partially offshore in shallow waters.

The Tunu Phase 8 development project was to allow TOTAL FINAELF E & P to produce the north part of the Tunu Field in MP mode.

The project consisted of:

- One compression platform (NCP);
- One manifold platform (NMP2);
- Offsite facilities (flaring system & control room);
- Six New trunklines;
- GTS modifications and tie-ins.

McConnell Dowell were awarded the EPCM contract for the new trunklines which comprised of 20 km of 500 mm, 4.7 km of 600 mm and 0.4 km of 900 mm diameter pipeline including seven horizontal directional drills. The installation of the 24" pipeline between GTS-L platform and GTS-I platform was completed using the modified bottom tow method in which the pipeline was pulled from a lay barge moored offshore along a predetermined path using a purpose built winch barge.

Three distinct pipeline construction methods were used in the swamp conditions:

- Horizontal Direction Drilling;
- Nearshore Conventional Lay (and pull out);
- Swamp Area Push and Pull.

MACDOW