

TOTAL Tatun Gas Field

Integrated Operations Planning System



Operator/ Client: TOTAL E&P Indonesie
Project/ Location: Tatun Gas Field/ Balikpapan, Kalimantan, Indonesia
Scope of Services: Integrated Operations Planning System



TATUN Gas Field



Integrated Activities:

TOTAL ACTIVITIES

- Drilling,
- Construction,
- Well Services,
- Production,
- Maintenance,
- Inspection,
- Safety (Safety tests),
- Pipeline Integrity.

INTERFACES WITH OTHERS

- BONTANG LNG Plant activities,
- VICO Processing Plant activities.



Objectives : Developing an Integrated Planning System or TATUN gas field activities, from drilling to LNG offloading to tankers

Schedule : September 2004 – March 2006

Field Data : more than 300 wells, 7 drilling rigs, 2 processing plants, 20 gathering stations (swamps/offshore), 3 billion Scf/d gas production (600,000 equivalent barrels of oil per day)

Achievements :

- Development of integrated planning department procedures (Integrated Planning Key Performance Indicators, Production forecasts evaluation)
- Integration in corporate IT systems (UNISUP – SAP R3)
- National planning engineers training and coaching

Benefits :

- **Accurate weekly, monthly, yearly 5-years production forecasts and budgets** (Production figures accurate within 0.6% enables to plan LNG tankers, and reduce costs of LNG tankers stand-by (optimistic production forecast), or costs of emergency mobilization of LNG tankers (pessimistic production forecast), by a systematic analysis of production shortfalls from PDMS vs planned shortfalls (continuous planning improvement by the implementation of planning KPI's)
- **Production shortfall decrease** (Optimization of integrated activities driven by production shortfalls led to production shortfalls decrease)
- **OPEX decrease** (Optimization of inter and intra fields resources and means led to OPEX decrease)
- **100% local content** (Integrated Planning Department 100% nationalized at completion of the project)

