

Petrovietnam Dung Quat Refinery

Training, Commissioning, Start-up, Initial O&M



Operator/ Client: Petrovietnam/ Technip Consortium (Technip, JGC, TR)
Project/ Location: Dung Quat Refinery/ Quang Ngai Province, Vietnam
Scope of Services: Training, Commissioning, Start-up, Initial Operations



Dung Quat refinery at a glance:

As the first refinery in Vietnam, Dung Quat refinery has a designed capacity of 6.5 million tons of crude oil annually, or 140 thousand barrels per day. Main contractors of the refinery were Technip, JGC Corporation, and Técnicas Reunidas. The refinery is owned and operated by Petrovietnam.

Processing oil from Bạch Hổ oil field, Dung Quat refinery comprises of overall refinery process, utilities and offsites facilities; flare area; crude tank farm; product tank farm; seawater intake, waste water, crude oil and interconnecting pipelines; and product harbour service area.

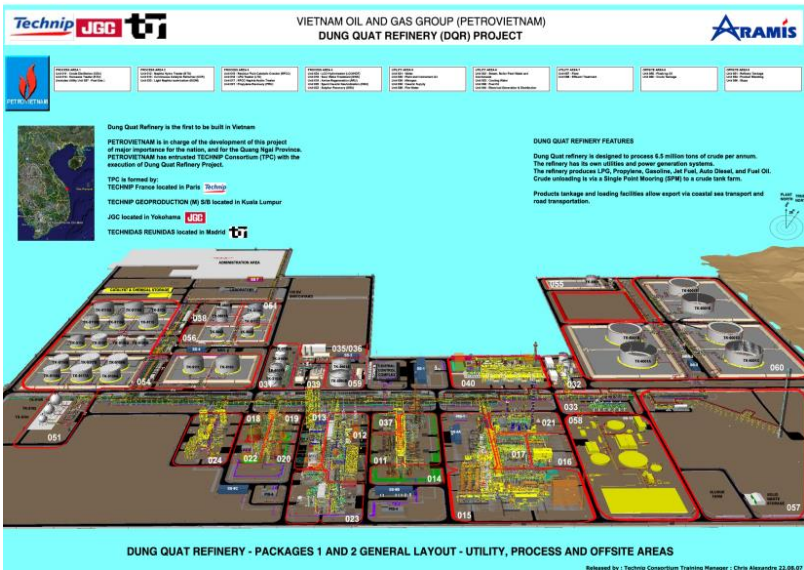


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ARAMIS Scope of Work:

- Training program design
- Training preparation
- Training delivery
- Training coordination
- On the job training monitoring
- Training assessment
- Pre-commissioning assistance
- Commissioning assistance
- Start-up assistance
- Initial operations assistance



Benefits of the integrated “Operations Assurance” Approach:

- Minimized effort in documentation collection and assessment
- Optimized project set-up (management system, procedures...)
- Sustained project knowledge
- Consistency between the deliverables
- Reduced administration costs, mobilization time and fees
- Enhanced project staff optimization and staff flexibility

Overall Schedule:

Activities	2006		2007				2008				2009				2010	
	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
Training program design																
Training preparation																
Training delivery																
Training coordination																
OJT monitoring																
Training assessment																
Pre-commissioning (EPC)																
Commissioning (EPC)																
Commissioning (Operator)																
Start-up (Operator)																
Initial Operation (Operator)																