

Gas Conditioning Facilities

Malvinas Gas Treatment Plant (EPC1), Camisea

The Project

Client

Pluspetrol Peru Corporation
S.A.

Location

Peruvian Amazonian Jungle,
Block 88 Camisea,
Cusco Department,
Peru

Period

2002 – 2004

Participation

Skanska LA: 63 %
Latintecna: 10 %
JJC: 27 %

Pluspetrol Peru Corporation S.A., in representation of the concessionaries, has awarded to Skanska LA - Latintecna - JJC consortium the execution of the EPC1 Camisea Upstream Project in a 24 month period.

The project consisted on a Gas Plant for the liquid extraction of natural gas and its conditioning for transport. The gas is produced at the Camisea gas field. The plant processes 12.000.000 m³/day of gas received from San Martín I and III through a duct (also built by Skanska LA) and daily produces 5,000 m³ of liquids. The natural gas is processed by 2 treatment trains that operate by cryogenic turboexpansion, in order to recuperate propane, butane and condensated liquids. Therefore, a dry residual gas is obtained that is apt for its transport. This dry gas is compressed to feed the duct that provides Lima City and the excess is re injected into the production reservoirs of the gas field. For this purpose, the project includes a 60,000 HP turbocompression plant. Liquids are processed in a condensate stabilization system and are transported through a poliduct to Pisco City, where they are fractioned for exportation and local distribution as oil liquid gas.



Contact

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The works were developed in the Peruvian Amazonian Jungle at the coasts of the Urubamba River. This is why the project logistic was one big obstacle to save given the inaccessible conditions (access only by plane or boat) and particular weather conditions (annual rains of 4.000 mm).

The construction equipment and some heavy materials have to be transported through a road that runs through the Andes in a 5 day trip to Pucallpa, a town at the Peruvian Amazonia. There they had to be loaded on a vessel and transported to Malvinas through the Ucayali and Urubamba rivers. This operation could only be performed during the period between December and March. After this, the river level decreases and makes it impossible to be navigated with these vessels.

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The consortium represented by the Client is a Joint Venture comprised by Pluspetrol Peru Corporation S.A. (36%), Hunt Oil Company of Peru L.C.C. from USA (36%), SK Corporation from Corea (18%) and Tecpetrol of Perú S.A.C. from Argentina (10%).

Scope of works:

Engineering
Procurement and Logistics
Construction and Start up of the project
Maintenance of the plant. □



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