EXECUTIVE SUMMARY

Vepica as part of the Consortium "Generacion P135 Masa-Vepica" is currently carrying out an EPC and O&M project in Colombia which consists of the Engineering, Purchasing, Construction, Assembly, Testing, Commissionig and Operations & Maintenance for three (3) electrical power generation plants in Paez, Porvenir and La Granjita, Colombia for Ocensa. The project requires around 1,000,000 man-hours from the engineering stage to commissioning, startup, operation and maintenance. This EPC and O&M contract is being carried out as a multi-office project, in collaboration with multiple Vepica branch offices.

THE CLIENT

OCENSA owner of the Central Pipeline S.A. in Colombia, which is approximately 830 kilometers long and currently has capacity of approximately 610,000 barrels per day, is the company who is responsible for transporting the crude oil from Cusiana and Cupiaga fields in the Llanos basin to the maritime port of Coveñas on the Caribbean cost.

Electrical Power Generation Plants

2014- 2019 EPC | M&O Colombia

CHALLENGES

•Coordination of several stakeholders from different countries and different cultures (Ocensa, Ecopetrol, Consortium Masa-Vepica, Siemens Houston, Siemens Lincoln, Siemens Colombia, Colombian Supliers and Contractors, communities and government entities)
•Managing of complex Interfaces with the partner (Stork-Masa), the Interventory (Worley Parsons, Bureau Veritas, Tecnicontrol and VQ Engineering), Ocensa Management Team, with Ecopetrol Operating Team, with the existing and operation facilities in Porvenir Station.
•Procurement of equipment and bulk material, coming mainly from Colombia market.

SOLUTIONS

To face the project challenges, Vepica implement the following strategy:
•High qualified and experience personnel of Engineering, coming mainly from Caracas office.
•Engineering focused on the objective for a fast track project.
•Implementation of a support engineering team in Colombia, to allow the quick connection between Caracas, the partner and project stakeholders.
•Quick familiarization with local standards, norms and regulations
•Project organization, working with a very clear split of work each other.
•Integration of the Interventory and the client in most of the execution areas to facilitate the approval of deliverables, PO, and to facilitate the construction interfaces.
•Early procurement of equipment, bulk materials and some construction raw materials to avoid delays in the construction.
•Early mobilization to site for in advance work and to develop a very detailed construction strategy with the participation of all stakeholders.
•Maximize the strategy to build modularize and packet units to reduce the erection, construction, pre-commissioning and commissioning time and man-hours.

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