

New diesel power plants (total power output of 220 MW each) in Costa Rica (Garabito), Guadeloupe, Réunion Island and Martinique

Costa Rica is booming. Tourism is thriving and the country is a high-tech center of increasing importance. As the population grows, more and more people are attracted to the cities.

With growth and modernization, the demand for energy in Costa Rica is increasing. This means that the current power supply is no longer sufficient. Shortages occur repeatedly, particularly during the dry season, while transmission lines are often unable to withstand tropical storms during the hurricane season.

In order to supply sufficient power to the growing population and to cover the increased energy needs of industry, Costa Rica is relying on the construction of diesel generators as a modern, reliable and resource-saving alternative to the existing energy sources.



Type 18V48/60 MAN diesel engines

The project

MAN Diesel builds four new diesel power plants in Costa Rica. On behalf of Fideicomiso Garabito, the large-bore engine manufacturer built a power plant near the city of Puntarenas in the west of Costa Rica, as well as three others on behalf of the French energy company EDF at the Guadeloupe, Réunion Island and Martinique locations.

As a supplier of low-consumption, low-emissions and low-noise diesel power plants, MAN Diesel is an ideal partner for these projects. From planning to the handing over of keys, the business serves the entire contract from a single source. The construction of four power plants close to



Model of the Garabito power plant

large cities will massively reduce transportation routes. This gives localities independence from disruptive environmental factors and provides a reliable alternative to unstable power lines.

The project in detail

Thanks to the type 48/60 18-cylinder MAN diesel engines with a power output of 18.9 MW (25,700 HP) as well as the latest filter systems and catalysts, the power plants are not only efficient and powerful, but also meet the most stringent environmental requirements.

Almost all the power plants were connected to the grid between 2010 and 2012.

Services of sfirion AG

sfirion AG provides anti-claims management services (FIDIC contracts) to MAN Diesel SE: The core tasks include inspecting, analyzing and evaluating all contractual documents, examining disputed claims and drafting technical reports on change orders raised. sfirion AG assists the contracting authority in an advisory capacity.



MAN power plant on Reunion Island

Client

Électricité de France, EdF

Contracting authority

MAN Diesel SE

Reference persons

Mr. Wolfgang Frank
Mr. Reinhard Schmalenberg

Construction time

2009 - 2014

Construction cost

Approximately €1 billion

Contract value

approximately €100 K

Services provided by sfirion AG

- Anti-claims management services
- Project management consulting during construction