



HYBRID ENERGY SUPPLY FOR AN AUTOMOTIVE PARTS DISTRIBUTION CENTER



Minimizing Fuel Costs and CO₂ emissions The SMA Fuel Save Solution

Importadora La Plaza is a highly competitive organization renowned for high quality and superior customer service. One of the largest importers and distributors in the Dominican market, it offers solutions across the full automotive spectrum, plus bicycle industries. It supplies high quality spare parts, accessories, tires and lubricants across the entire national territory.

The Dominican renewable company "Rensa Renewable Energy, S.R.L" proposed several energy saving initiatives, including an element that called for the integration of the SMA Fuel Save Controller. The Importadora La Plaza facilities consist of a public grid connection and two genset systems, providing a great opportunity for the integration of PV.

The SMA Fuel Save Controller takes advantage of the PV system during power supply from the public grid, as well during genset operation, offering two positive effects. During the load supply from the public grid it reduces the amount of electricity being purchased to meet the existing grid requirements and during genset operation it significantly reduces the fuel consumption.

System Size

- Installed PV Power:
299 kW_p
- Diesel Generators:
1 x 225 kVa
1 x 394 kVa
- Public Grid

System Information

- Location: Santiago,
Dominican Republic
- Coordinates:
19°28'34"N,
70°41'3.9"W
- Commissioning: December 2014

- EPC: RENSA Renewable
Energy, S.R.L
- Operator: Importadora La
Plaza
- Annual diesel savings:
approx. 33.000 liters

PV System Technology

- 12 SMA Sunny Tripower
STP 24000 TL-US
- SMA Fuel Save Controller

SMA Fuel Save Solution for Photovoltaic Diesel Hybrid Systems