



# Renewable Energy Management Systems

## Efacec background

Efacec owns a notable track record in the provision of automation and energy management systems for the segment of renewable energies.

Back in 1999, Efacec supplied several hydro power plant automation systems, as well as SCADA systems for their control centres, in Portugal. Between 2001 and 2017, Efacec reached other geographies with similar technology for hydro power plants, namely in Iceland, Colombia, Morocco, Tunisia and Tanzania.

In 2017, Efacec installed a SCADA system for the nationwide control centre in Portugal, to manage all hydro power plants, corresponding to over 5 GW of installed power. In 2018, Efacec launched an advanced SCADA system targeted to also manage photovoltaic, wind and geothermal power plants, as well as energy storage assets. The new solution is called **ScateX# REMS**, serving the renewable energy management systems segment.

## About ScateX# REMS

**ScateX# REMS** provides suitable management features to allow promoters operating renewable assets to early detect any system faults and to maximize the system economic and technical performance, namely by considering restrictions imposed by grid operators, as well as market and environmental constraints.

**ScateX# REMS** provides sophisticated editing tools suitable to design each client's database, as well as schematic or tabular diagrams. Any data describing the system is classified according to its geographical or logical area, therefore providing an easy and quick way to reach alarms and other events, or relevant data through user friendly filtering. The human-machine interface runs on any available web browser, providing sophisticated navigation tools, namely panning and zooming associated to decluttering mechanisms.



