RMS

Renewables Management System

SCADA and Analytics software for real-time operation and analysis of large-scale and widely spread renewables sources

CGI
Experience the commitment®

Improve performance, increase revenues by
Acting faster on faults | Increasing data knowledge | Becoming proactive

Microsoft Azure
IoT Platform

Manage entire renewables power plants in one intelligent system

MONITOR
Real-time monitoring of assets, events and alarm management

CONTROL
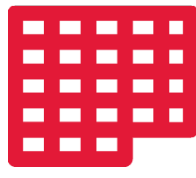Control of renewable assets and park substations

ANALYSE
Analysis and comparison of portfolio performance over time

SHARE
Automatic generation and sharing of reports, data exports

PLAN
Plan field activities such as maintenance and track work progress

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RMS highlights

RMS mobile interface

SCADA
For portfolio real-time supervision & control

User design
Friendly graphics and dashboard interfaces

Historical Database
Long-term storage for performance analysis

App for iOS & Android
Portfolio monitoring, instant KPIs, and notifications

Multi renewable
Compatible with any renewable source and any manufacturer or model

Knowledge base
Benefit from more than 20 years of experience

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IoT Platform
The new frontier for RMS

Extending RMS into Microsoft's Internet of Things (IoT) Suite will release untapped potential from our clients' businesses, as it will give us the opportunity to:

- Integrate with new worldwide data sources to create new insights into renewables data

- Use data centers that comply with tight regulation of each country worldwide, such as NERC CIP

- Transform business processes

- Efficiently scale RMS to business needs

This will also bring CGI the chance to truly offer RMS software as a service (SaaS). It will allow new customers to use the platform with a smaller financial investment.

IoT Hub
On big installations more than
500M events per day

Service Fabrics
To provide scale and resilience to critical operations

Raw Data
Long term raw data storage for predictive analysis

Machine Learning
To provide predictive maintenance to operations

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RMS in numbers

10+
countries

15 GW
installed

7800
wind turbines

12
solar plants

39
hydro plants

500M
events per day

35+
models

11
dispatch centers

CGI