skytron®

AN *AlsoEnergy* COMPANY

Global Solutions

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The World Leader in Renewable Energy Monitoring & Control

Over 30GW of power in operation

More than 192,000 sites worldwide

Over $30 billion of assets under management

Active systems in 55 countries around the world

AlsoEnergy

LOCUS ENERGY
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DRAKER
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The World Leader in
Renewable Energy Monitoring & Control

30 GWp worldwide relies on AlsoEnergy companies

CANADA

GERMANY
BELGIUM
UNITED KINGDOM
FRANCE
IRELAND

POLAND
CZECH REPUBLIC
BELARUS
ROMANIA
UKRAINE

RUSSIA

PORTUGAL

SPAIN

TURKEY
JORDAN
KUWAIT
QATAR

CHINA

JAPAN
SOUTH KOREA
THAILAND
VIETNAM

USA

MEXICO

DOMINICAN REPUBLIC
PUERTO RICO

SLOVAKIA
ITALY
BULGARIA
GREECE
ISRAEL

UAE
SAUDI ARABIA

EGYPT

INDIA

MALAYSIA
PHILIPPINES

PANAMA

SAMOA
TONGA

INDONESIA

MAURITIUS

CHILE

BRAZIL
URUGUAY
ARGENTINA

SOUTH AFRICA

AUSTRALIA

NEW ZEALAND

OFFICES: Boulder, CO USA / Hoboken, NJ USA / San Francisco, CA USA / Berlin, Germany / Tokyo, Japan / New Delhi, India

PARTNER: Australia / Romania / South Africa / Thailand / Ukraine / Mexico

Monitored Assets

AlsoEnergy

The World Leader in
# Renewable Energy Monitoring & Control

Your Trusted & Expert Partner

Over 300 combined years of support & professional services experience to:

- Obtain the highest levels of customer service that you have come to expect

- Ensure "business-as-usual" continuity during transition with no interruptions or inefficiencies for operations

- Continue to receive expert support for legacy hardware & software applications, third party software & hardware integrations, & maximizing the value of your AlsoEnergy investment

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The PowerTrack Platform
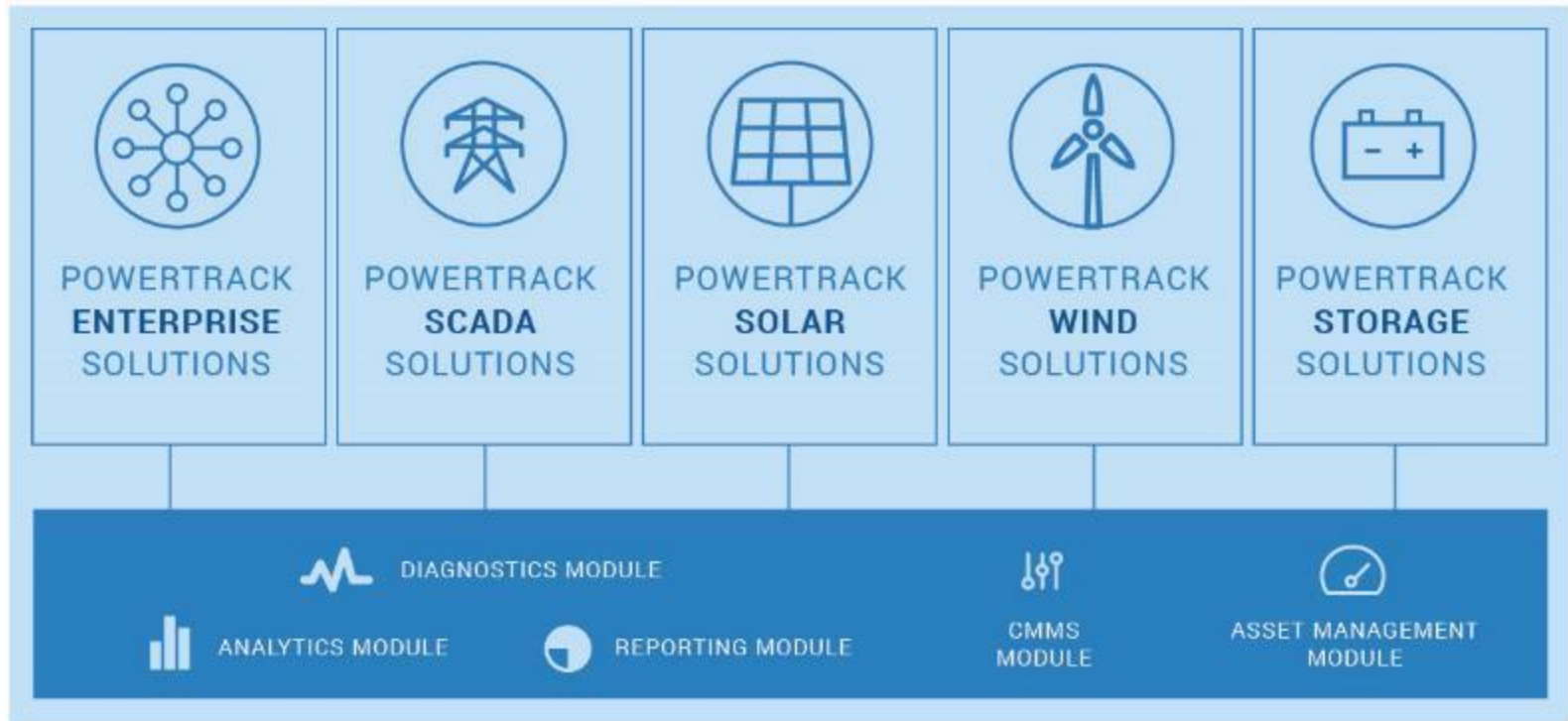
A single platform delivering the industry's most advanced, innovative & complete end-to-end solution portfolio
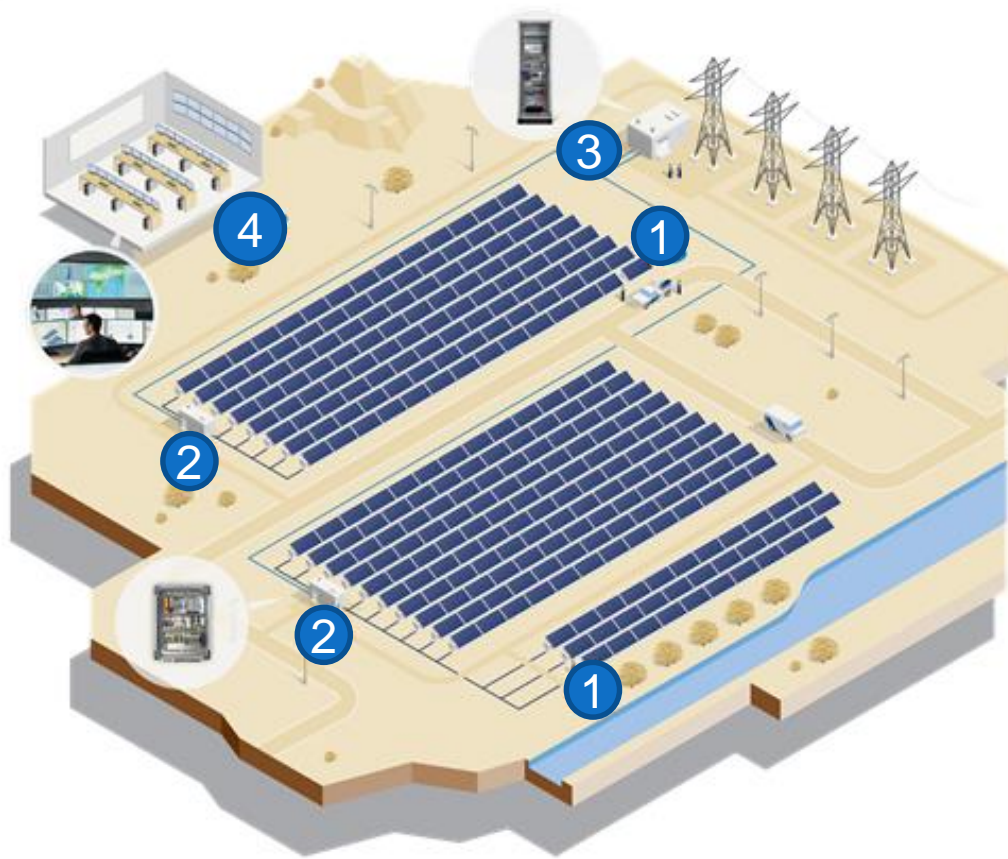
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The AlsoEnergy Value
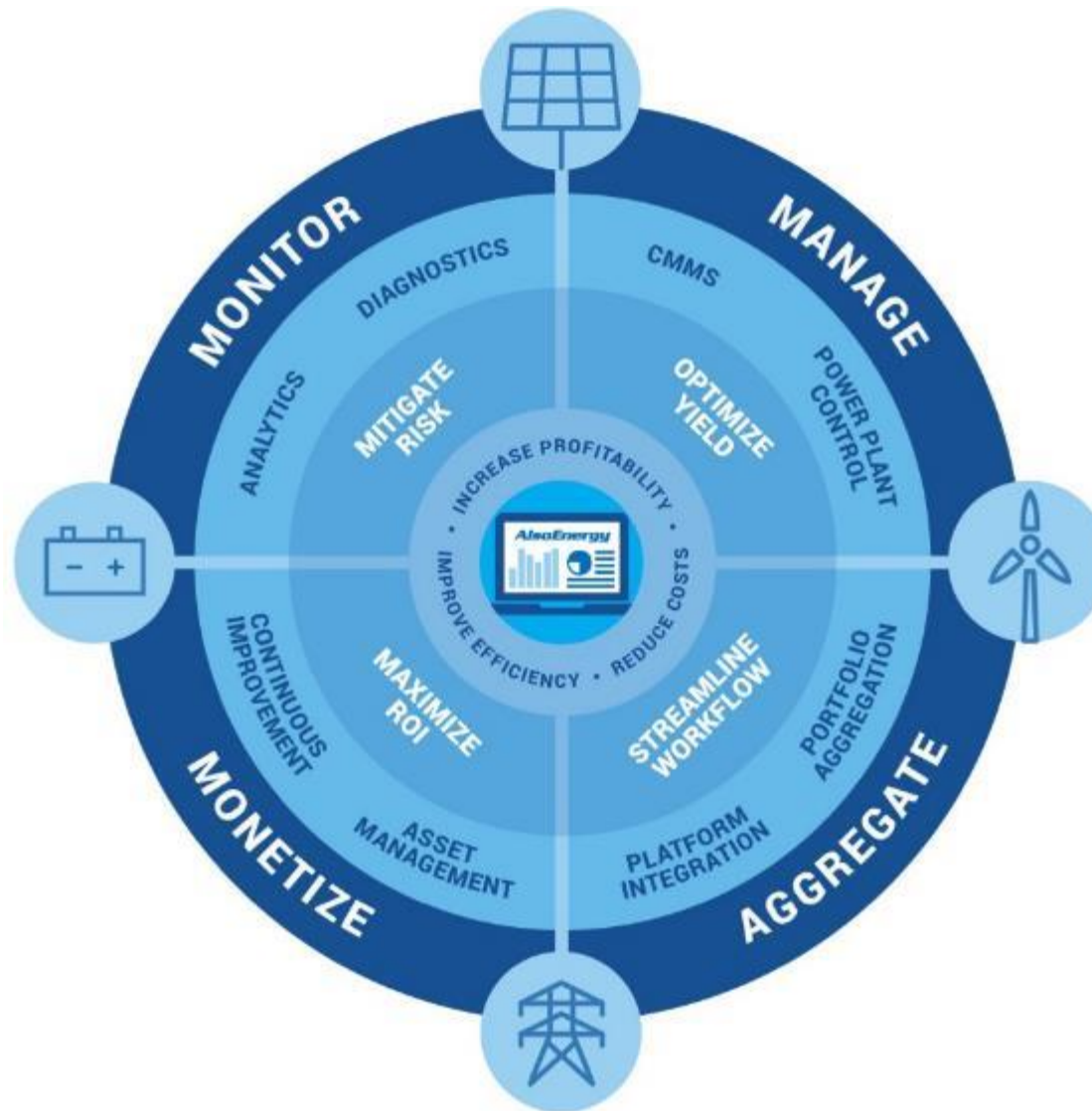
Technology & Solutions Overview
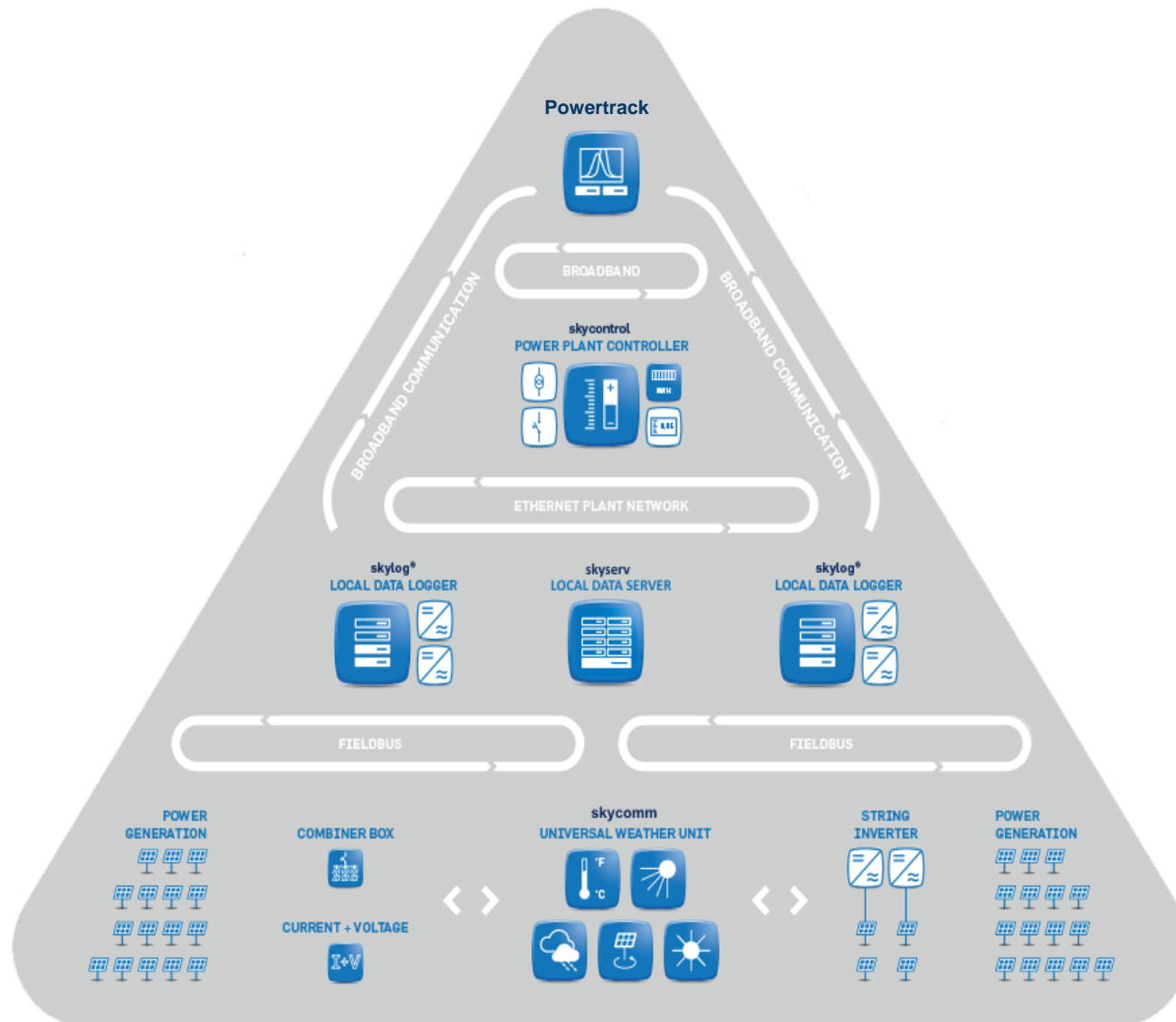
Hardware

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System Architecture
On-site view

1. **Sensor Level** – Weather Station Units

2. **Data Acquisition Level** – Skylog

3. **Control Level** – Skycontrol

4. **Management Level** – Powertrack

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System Architecture

04 MANAGEMENT LEVEL

03 CONTROL LEVEL

02 DATA ACQUISITION LEVEL

01 SENSOR LEVEL

Technology & Solutions Overview

Other Services of Interest

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Data Analytics
Benchmarking

Introducing our brand-new product: Benchmarking by AlsoEnergy. We apply Machine Learning and Artificial Intelligence systems to solar PV, in order to give you business insights on parameters of your choice.

Our intelligent reports enable you to transform your data sets into actionable learnings, allowing you determine expected inverter power for specific areas and do inverter predictive maintenance.
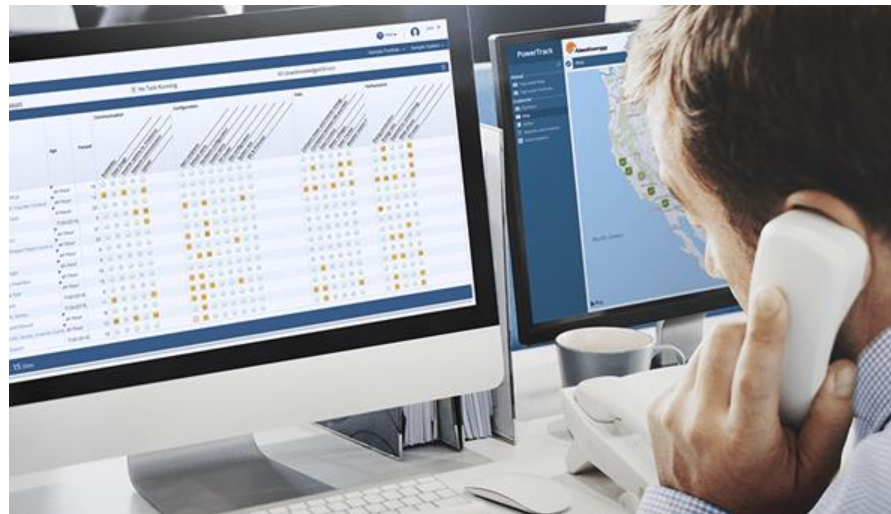
Value Across All Project Sectors
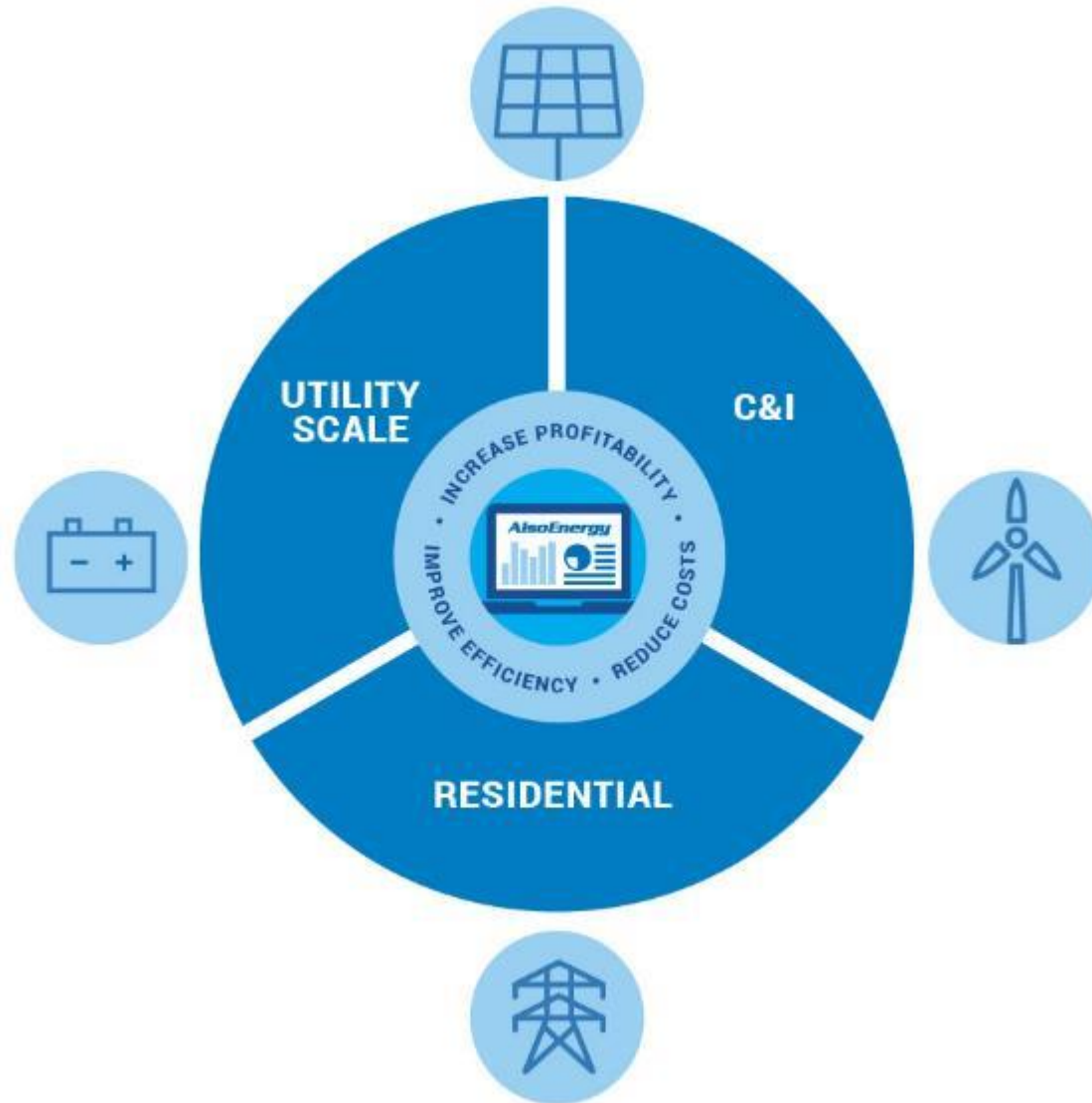
Global Support & Services

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Global Resources for International Portfolios

Localized sales, support, & services

- Active systems in 55 countries worldwide
- Offices in Berlin, Germany; Tokyo, Japan; & New Delhi, India
- Partners for sales & support in Greece, Romania, Ukraine, Australia, South Africa, Thailand
- Dedicated sales specialists for Central/South America & APAC region
- On site support for installation & commissioning
- Foreign language displays

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Global Support & Services

Support Services

- 24/7/365 expert support
- System design & optimization
- Engineering & technical drawings
- On-site commissioning
- Installation oversight
- Project management
- Training

Training

- Videos
- Webinars
- Remote customer support
- On-site field support

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Global Support & Services

Engineering Services

- Configurable sampling & data management
- Customized control solutions for demanding interconnects
- Modeling for grid simulations (PSS/E, PSLF, others)
- Customized local or remote HMIs

Customization Services

- Configure client displays
- Custom reports
- Project management
- Flexible support models

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Case studies

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References Customers

Oriana, 57.6 MWp
Sonnedix

Location	Isabela, Puerto Rico
Installed Capacity	57.6 MWp
EPC	Sonnedix
Our Contribution	› skyCONNi-Sun Weather Units › skyserv® On-Site Data Server › skylog® On-Site Data Logger › skyCOMM Digital SignalConverter › PVGuard® Local SCADA Platform → skytron energy developed a solution to collect 1-second data and a new interface to integrate all external components, such as the local power plant controller and the 10MW battery (hybrid plant)

Mulilo-Sonnedix-Prieska PV Plant, 86.2 MWp
juwi Renewable Energies

Location	Prieska, Northern Cape Region
Installed Capacity	86.2 MWp
EPC	Juwi Renewable Energies
Our Contribution	Entire technology, allowing highest possible performance of the plant: › skyCONNi-Sun Weather Units › ArrayGuard® FH Combiner Boxes › skyserv® On-Site Data Server › skylog® On-Site Data Logger › skycontrol Power Plant Controller › PVGuard® Supervision Platform → skycontrol fulfills the special grid standards in South Africa that are required by the public electricity company ESKOM.

Bambous, 15.2 MWp
Tauber Solar Energietechnik GmbH

Location	Bambous, in the western Rivière Noire District of Mauritius
Installed Capacity	15.2 MWp
EPC	Tauber Solar Energietechnik GmbH
Our Contribution	› skyserv® On-Site Data Server › skycontrol Power Plant Controller › PVGuard® Supervision Platform › RICC – Remote Interface Control Center → skycontrol used to master the challenging grid integration of Mauritius' first utility-scale PV plant; manual adjustment of grid feed parameters made possible by RICC

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Senftenberg II-III(c), 82 MWp
saferay operations GmbH

Location	Senftenberg, Germany
Installed Capacity	82 MWp
EPC	saferay operations GmbH
Our Contribution	Entire technology, allowing highest possible performance of the plant: › skyCONNi-Sun Weather Units › ArrayGuard® Combiner Boxes › skyserv® Data Server › skylog® Data Logger › skycontrol Power Plant Controller › PVGuard® Supervision Platform