RODAN
ENERGY SOLUTIONS

Turn-key
Metering Solutions

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Metering Installation Services

We are focused on providing a full range of electrical power system metering installation and data acquisition services to our clients, from design, specification, and assembly to provide a fully commissioned electrical revenue metering system. In addition to those base services listed below, Rodan Energy is also able to offer other related metering system/process/software development and management services. These services include, but are not limited to:

Design, Construction & Installation
- Metering system design, construction and installation services.
- Custom metering system interface/control solutions.
- Custom metric data acquisition schemes.
- Full Power Measurements meter/software installation/ configuration services.

Commissioning
- Verify that the metering system is specified and installed correctly.
- Verify the correct operation of the metering system and associated communications system.
- Load test of the metering system.
- Prepare metering system commissioning report.
- Maintain all metering system equipment records and requests made in this regard.

In-Situ Testing
- Visual check of all metering system components to verify operational integrity.
- Load test of the metering system.
- Preparation of an in-situ test report.
- Maintenance of all metering system in-situ test results and reports.

Meter Re-Verification
- Turn-Key Management of meter re-verification and sealing as per Measurement Canada
- Review of the replacement meter shop test results and report to client.
- Removal of the existing meter and installation of the replacement meter.
- Maintenance of all metering system re-verification test results and reports.

Troubleshooting & Repair
- Troubleshoot and recommend solutions to metering system problems.
- Repair/replace metering system components on an as required basis.

EPC of Instrument Transformers
- Engineering design of Revenue Metering Systems that meet AESO and MC Regulations.
- Specification of Instrument Transformers for distribution and transmission connected services.
- Pole Mounted Instruments and Clusters (CT's, PT's, CVT's)
- Custom Primary Metering Instrument Cabinets

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Data Acquisition Services

Energy Data Collection, Validation & Transfer

- Management of all data collection, processing and transfer operations required to provide the energy measurement data to the appropriate data centre as per any applicable data standards.
- Maintenance of an energy volume transfer receipts log to ensure that the appropriate data centre receives and transacts all energy volume data into the measurement system database.
- Maintenance of the historical metering and measurement data as required by any applicable data standards.
- Reporting to client and/or appropriate metering system operator of any energy measurement data anomalies that indicate possible metering system problems.

Data Analysis & Reporting

- Audit checks to ensure that the data centre measurement data is in agreement with the clients metering records.
- Pre-settlement billing/payment calculations and review of final settlement details.
- Energy production/consumption profile reporting.
- Dispute related measurement data review/estimation analysis.
- Voltage compliance monitoring.

Information Access Services

Historical Metering Data Access

- Internet access to historical real and virtual (complex aggregations) metering data from your sites.
- Ability to review, print and retrieve metering data in a tabular, graphical or and standard/custom report format.

Real-Time Metering Data Access

- Internet access to real-time metering data from your sites.
- Ability to view real-time metering data through standard or customized graphical interfaces.

Real-Time System Marginal Price Data Access

- Internet access to real-time system marginal pricing information for operational integration into local Pegasys metering systems.
- Ability to monitor the real-time system marginal price information and effect operational control based upon that price.

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About Rodan Energy Solutions

RODAN Energy Solutions is a leading North American provider of **Demand Response, Distributed Energy Resources (DER)** asset optimization, **Energy Intelligence Solutions (EIS)**, **Metering**, **Testing** and **Systems Engineering**. Serving commercial and industrial energy users as well as power distribution and generation companies – we believe in a clean energy future and are committed to "Making Sustainable Attainable".

Our team of power systems and software engineers, technicians, data scientists and energy market experts work with our customers to hep them achieve their economic and sustainability goals.

Energy Intelligence Suite

Adaptive energy software accurately forecasts high energy demand on the grid, provides live market data and the ability to track curtailment initiatives so Energy Managers can make intelligent decisions and add value to business operations.

Facility Energy Optimization & Distributed Energy Resources

Interconnecting the Asset into the Power Grid - Rodan is uniquely able to measure, monitor and track the dynamic factors affecting the viability of an energy asset. Our adaptive machine learning software meticulously integrates each asset (eg. battery, solar or wind generator) and enables it for optimization and monetization.

Systems Engineering

Systems Engineering design, specify and test energy assets to meet regulatory requirements for connectivity to the power grid.

Metering and Testing

Our 24/7 Operations Center manages and dispatches over 1000 MW of power resources and monitors over $3B in annual power flows across North America.

Multi-market Participation

Rodan is currently registered to participate in multiple Power Market Sectors – including: NYISO, PJM, MISO, IESO and AESO, and continues to expand.

A Clean and Sustainable Energy Future is Possible.

At Rodan - We Make Sustainable Attainable

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