



STRATA GRID **DERMS**

FLEXIBLE, SECURE AND CUSTOMIZABLE. REAL-TIME DERMS
SPANNING ADMS INTEGRATION TO THE GRID EDGE

**LEADER IN FLEXIBLE
INTERCONNECTION**

**DEPLOY STRATA GRID
IN 6 MONTHS**

**FAST-ACTING,
GRID-AWARE CONTROL**



The Smarter Grid Solutions team of Mitsubishi Electric Power Products, Inc. (MEPPI) is the global leader in operational DERMS implementations. MEPPI's team of power systems engineers has developed and delivered DERMS systems designed to help our customers optimize the value of their DER while alleviating power systems challenges. Strata Grid's ability to fill gaps in our customers' data and network models allows utilities to procure a robust operational system with what you have today. Our team of subject matter experts will work hand in hand with utility engineers to develop and grow the system to meet future use case needs.



PATENTED REAL-TIME CONTROL APPLICATION



FULL INTEGRATION ENVIRONMENT



DER GATEWAY

STRATA GRID PROVIDES UTILITIES **VALUE**

SYSTEM BENEFITS

- Removes the Control Room Burden
- Reduces Operational and Delivery Cost
- Reduces Integration Costs and Timeline
- Reduces Operational Risk
- Maximizes Value of Existing Investments
- Model & Grid Aware

USE CASES

- Flexible Interconnection
- DER Constraint Management
- Circuit Load Management
- Demand Response
- Vehicle Grid Integration
- Volt Var Optimization
- Virtual Power Plant
- Microgrid Management



NON-WIRES ALTERNATIVES

Using Strata Grid, AVANGRID introduced non-wires alternatives methods to incorporate the fast-acting, autonomous control methods used by Strata Grid to minimize curtailment actions and accompanying revenue reduction for customers. Strata Grid was able to double grid hosting capacity and reduce customer need for grid upgrade capital expenditure. Customer solar power projects are already operational, leveraging the increased grid hosting capacity.



FLEXIBLE INTERCONNECTION

An influx of DERs caused National Grid to reach the limitations of their existing infrastructure. As a result, National Grid sought a smart, innovative solution to address these concerns by providing network congestion management and increased grid utilization for current and future additions to the grid. National Grid selected Strata Grid as their DERMS solution. Strata Grid sends real-time operating envelopes to ensure the BESS dispatch is within the agreed limits set by National Grid. If the operators do not follow the limits set by National Grid, Strata Grid takes fail-safe actions to ensure National Grid operates a safe and reliable grid.



CO-OPTIMIZATION OF BATTERY STORAGE (CONED/NYISO)

First REV (Reforming the Energy Vision) Demo battery project in NY to include stacked values (Utility and Developer) and integration with the NYISO. The system combines Economically Optimized Battery Scheduling (day-ahead ISO market), Load Relief Scheduling and real-time control.

- Priority Dispatch and Revenue Sharing mechanism between Con Edison and Endurant:
- Dispatch agreement provides utility with priority access to battery services during peak load periods New York ISO wholesale market participation
- Four 1 MW / 1 MWh battery storage assets connected and providing services. SGS DERMS platform manages revenue stacking and value optimization for battery owner/operator

SPEAK TO OUR TEAM ABOUT A CUSTOM DEMONSTRATION.



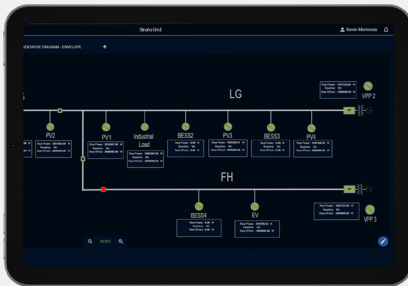
Flexible Interconnections



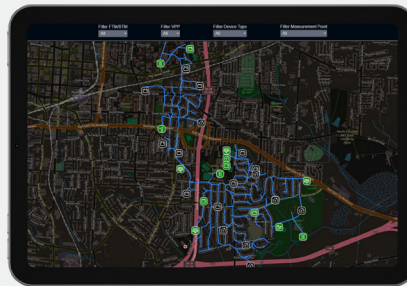
Operating Envelopes



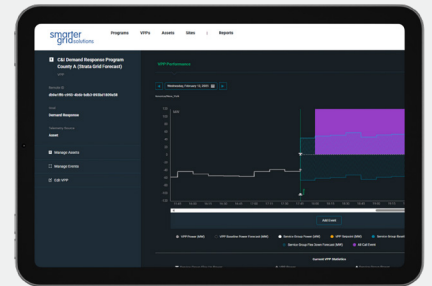
Forecasting and Optimization



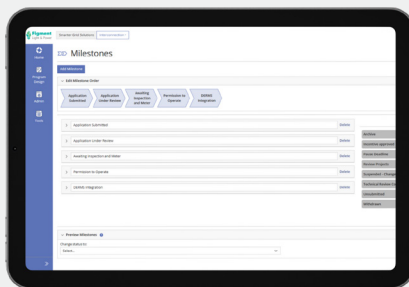
Network Model Management



Geographic Visualization



Virtual Power Plant and
Demand Response Integration



Registration




Market Integration

**MITSUBISHI ELECTRIC
POWER PRODUCTS, INC.**

Phone: (+1) (866) 390-6487

Fax: (+1) (724) 778-5209

Website: www.meppi.com

 @Mitsubishi Electric Power Products

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