

# CONSULTANCY & ANALYSIS

*Helping developers and utilities scale DER portfolios fast and unlock grid opportunities.*



## **We are DER Analytical specialists.**

Our Consultancy & Analysis Team is dedicated to empowering clients with grid and market optimization strategies and enabling the implementation of value-driven DERMS solutions. We specialize in advanced DER analysis, utilizing in-house developed or industry standard planning tools, and delivering comprehensive DER-related workshops and training. With a proven track record spanning over 15 years in leading global smart grid innovation projects, we stand as trusted industry leaders.

We serve a wide range of clients, including distribution utility companies, DER developers, microgrid owners, system operators, virtual power plant (VPP) owners, government bodies, and regulators.

# OUR CONSULTANCY SERVICES

## GRID DEVELOPMENT & INTERCONNECTION PLANNING

### DERMS APPLICATION STUDIES:

- Power system analysis for DERMS use case design, configuration and value case quantification
- DER portfolio flexibility analysis
- Microgrid feasibility analysis, optioneering & high-level design
- DER market value and revenue stacking analysis
- Grid & market optimization

### DER NETWORK CONSTRAINT ASSESSMENTS:

- DER curtailment assessment
- DER flexible interconnection analysis
- Constraint mitigation Analysis
- Hosting capacity screening studies

### STRATEGIC PLANNING:

- Strategic network development planning studies and smart, flexible, net zero transition exploration
- Generator interconnection assessments
- Probabilistic outage assessment (estimating generation site curtailment due to direct transfer trip)
- Development of new planning/design procedures for distribution utilities.

## SMART ENERGY DEVELOPMENT & OPERATION

### ENERGY TRANSITION & INNOVATION:

- Net zero carbon business model assessment
- Grid and market integration evaluation studies
- Development of utility digitalization and modernization roadmaps (use case definition & high-level conceptual design)
- Innovation concept development & preparation of funding submissions

### DERMS PRODUCT LIFECYCLE:

- Delivery of the system implementation roadmap and business objective mapping/alignment
- System requirements capture and use case definition
- Development of architecture, design and test specification
- Network studies to define & validate DERMS configuration parameters
- DERMS operational performance evaluation
- Fleet and Microgrid DERMS on-boarding, support and system performance evaluation