



Microgrid Modeling Company

What drives microgrid development?

Resilience, efficiency, sustainability, flexibility, security, and reliability are key drivers for microgrid developments. These factors motivate the need for integrated models and tools for microgrid planning, design, and operations at higher and higher levels of complexity.

What is a microgrid controller & energy management system modeling?

Controller and energy management system modeling. Many microgrids receive power from sources both within the microgrid and outside the microgrid. The methods by which these microgrids are controlled vary widely and the visibility of behind-the-meter DER is often limited.

What is a microgrid design tool?

The MDTool allows designers to model, analyze, and optimize the size and composition of new microgrids or modifications to existing systems. Technology management, cost, performance, reliability, and resilience metrics are all offered by the tool.

Do microgrids need protection modeling?

Protection modeling. As designs for microgrids consider higher penetration of renewable and inverter-based energy sources, the need to consider the design of protection systems within MDPT becomes pronounced.

What is a microgrid planning capability?

Planning capability that supports the ability to model and design new microgrid protection schemes that are more robust to changing conditions such as load types, inverter-based resources, and networked microgrids.

What is a simplified microgrid design interface?

The simplified interface removes the complexities of microgrid design and guides users through the design process with built-in checklists and tools to allow rapid and seamless collaboration between customers, developers, financiers, and regulators, regardless of prior experience with microgrids.

XENDEE is the world's most awarded Microgrid Decision Support Platform for certifying the resilience and bankability of distributed energy systems. ... Model and control 25+ DER technologies and 14 distinct value streams (e.g. electric ...



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