



Microgrid Detection Platform

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Model and control 25+ DER technologies and 14 distinct value streams (e.g. electric vehicle charging and demand charge reduction), enabling you to quickly screen, ...

Learn about ETAP Microgrid, an integrated solution used to efficiently evaluate and optimize microgrid systems. The solution enables simulation and hardware-in ...

A comprehensive end-to-end microgrid protection solution that offers a range of functionalities--from data collection to fault detection, localization, and isolation.

In this project we worked on a highly effective new method to protect the microgrid system using an Artificial Neural Network (ANN) that will detect and find the ...

The capabilities of this platform are demonstrated on a detailed microgrid model that is deployed on a real-time co-simulation testbed. A hybrid rule-based and machine learning anomaly detection ...

The results demonstrate that the proposed detection framework is not limited to the specific microgrid modeled in this study. Instead, it provides a scalable foundation that can extend to a broad class of ...

Leveraging the recent strides in artificial intelligence, this paper introduces a novel multi-agent-based protection scheme for DC microgrids.

er proposes a pragmatic solution for fault detection and diagnosis (FDD) in grid forming DC microgrids. The proposed solution uses a set of model-based and rules-based tec.

Hybrid Microgrids contain one or more AC and DC sub-grids, which contain AC or DC loads respectively, as well as DERs. Hence, a hybrid microgrid can exploit the salient features of both AC ...

Therefore, a converter-based microgrid platform has been developed on the existing HTB to implement and



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test the proposed fault detection method. Additionally, the HTB has been ...

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