

PIENAAR ENERGY (PTY) LTD

Microgrid Laboratory Test Report



Overview

This report is available at no cost from the National Renewable Energy Laboratory (NREL) at www.nrel.gov. Prabakar, Kumaraguru, Annabelle Pratt, Dheepak Krishnamurthy, and Arindam Maitra. The Consortium for Electric Reliability Technology Solutions (CERTS) Microgrid Laboratory Test Bed project's objective was to ease the integration of small energy sources into a microgrid. The project accomplished this objective by developing and demonstrating three advanced techniques, collectively referred to as the CERTS Microgrid concept. See K. Maitra, "Hardware-in-the-Loop Test Bed and Test Methodology for Microgrid Controller Evaluation," 2018 IEEE/PES Transmission and Distribution Conference and Exposition (T&D), Denver, CO, 2018, pp.

Microgrid Laboratory Test Report



Hardware-in-the-Loop Test Bed and Test Methodology for ...

This paper describes a controller hardware-in-the-loop and power hardware-in-the-loop microgrid controller test bed that was designed and constructed to evaluate the capabilities of a microgrid ...

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CERTS Microgrid Test Bed

The objective of the CERTS Microgrid Test Bed Demonstration with American Electric Power was to enhance the ease of integrating small energy sources into a microgrid.

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CERTS Microgrid Laboratory Test Bed

The testing fully confirmed earlier research that had been conducted initially through analytical simulations, then through laboratory emulations, and finally through factory acceptance testing of ...

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CERTS Microgrid Laboratory Test Bed

CERTS Microgrid Laboratory Test Bed is the final report for the CERTS Microgrid Laboratory Test Bed project (contract number 500-03-024) conducted by CERTS. The information from this project

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CERTS Microgrid Laboratory Test Bed

These techniques were demonstrated at a full-scale test bed built near Columbus, Ohio and operated by American Electric Power.

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Catalog Record: CERTS microgrid laboratory test bed : PIER

CERTS microgrid laboratory test bed :PIER final project report /prepared for California Energy Commission, Public Interest Energy Research Program ; prepared by Lawrence Berkeley National

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CERTS Microgrid Laboratory Test Bed (California Energy Commission)



The Consortium for Electric Reliability Technology Solutions (CERTS) Microgrid Laboratory Test Bed project's objective was to ease the integration of small energy sources into a microgrid.

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CERTS MICROGRID PHASE TWO TEST REPORT

Test descriptions, set-up, and results from the phase two testing are reported in this document.

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