

**PIENAAR ENERGY (PTY) LTD**

# **University Microgrid Project**



## University Microgrid Project

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### Gallaudet Case Study\_Working Power\_Case Study

The system is expected to save the university millions of dollars annually, from its first year of operation. The microgrid will meet the vast majority of the university's electricity demand through on-site ...

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### A Comprehensive Review of Existing and Pending University Campus Microgrids

Microgrids on campuses face challenges in the instability of power production due to meteorological conditions, as the output of renewable sources such as solar and wind power relies ...



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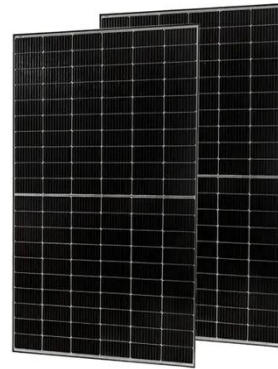
### PROJECT PROFILE University of California San Diego Microgrid

University of California San Diego Microgrid 30 MW CHP System with 2.8 MW Fuel Cell, 2.4 MW Solar PV and 2.5 MW Energy Storage

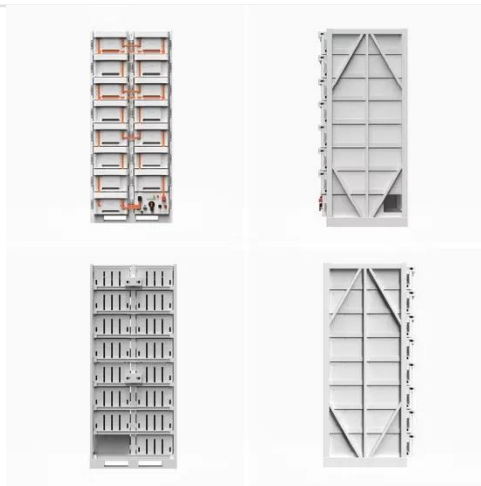
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## A Historic University's Microgrid Cuts Energy Costs and Benefits Local

Gallaudet University in Washington, D.C., is reaping the benefits of one of the largest microgrids in the city, which school officials installed on the campus in 2023. A microgrid is an



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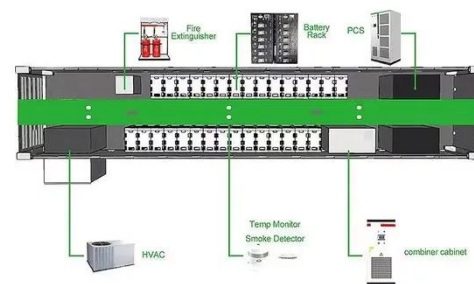
## Center for Microgrid Research

As one of the premier applied engineering research centers in distributed energy resources and microgrids, we are building the human and operational capacity needed for a secure, resilient, and ...

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## Case Study: Gallaudet Microgrid - Working Power

The system is designed to meet most of the university's electricity needs through on-site production and allow the campus to remain operational in 'island mode' during grid outages.



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## Campus Microgrids with Small Modular Reactors Reduce Carbon ...

Advanced technologies, such as SMRs, can be deployed as electricity producers

on the grid or in tightly integrated energy systems, such as campus microgrids, to provide reliable, ...



2MW / 5MWh  
Customizable

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## Gallaudet University campus to be powered by clean energy microgrid

Gallaudet University is partnering with Scale Microgrid Solutions and Urban Ingenuity to build a world-class, clean energy microgrid. The microgrid is expected to come online in the fall of 2023.



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## Gallaudet University Case Study

The innovative Gallaudet University microgrid project uses CHP, solar, and storage to deliver cost savings, emission reductions, and next-level resilience.

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