



Princeton Resilient Campus – Defining the Future of Energy with a Resilient, Carbon Neutral Campus

Chris Davidson, Siemens Smart Infrastructure Xiaofan Wu, Siemens Technology

IDEA 2021 || Sept. 27-29 || Austin Convention Center, Austin, Texas

Bring It all together





PV 836kWp photo-voltaic BESS 1,000kWh energy storage



MAC4DES



Digital Grid Microgrid Control – a SICAM application



Transfer Pair and Paralleling Switchgear 480V



Desigo CC Building Automation



Futuregrid EV charging | VersiCharge Level 2 (x6)

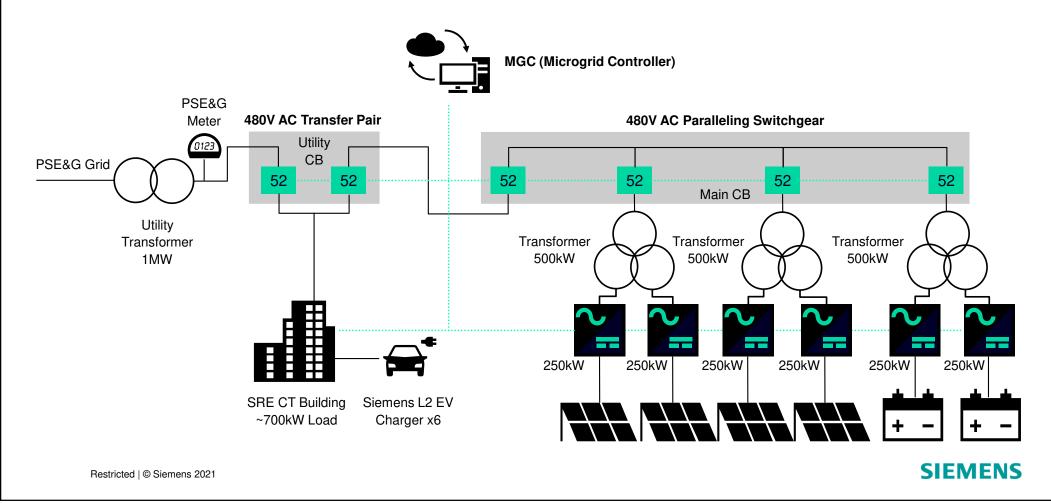


Siemens Cogeneration 600kW SFGLD360 (Future)

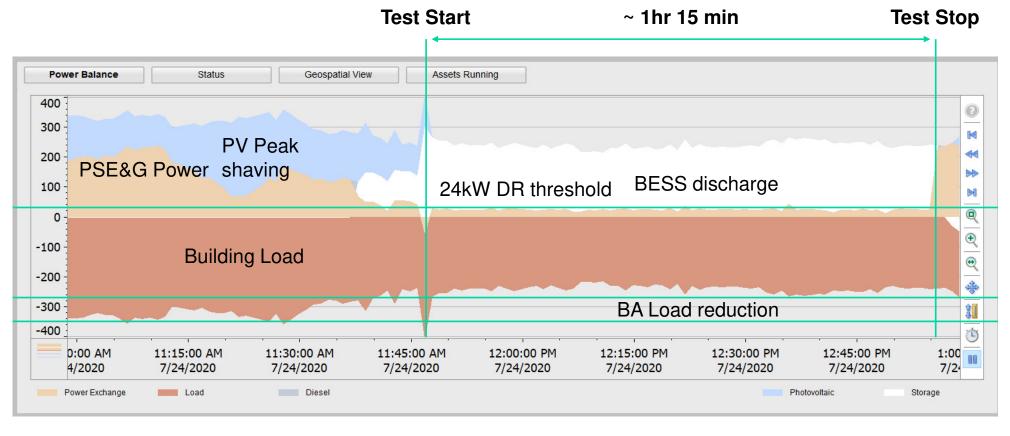
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SRE Princeton NJ – Microgrid Project PV+BESS+MGC+EV Simplified Project Single Line Diagram

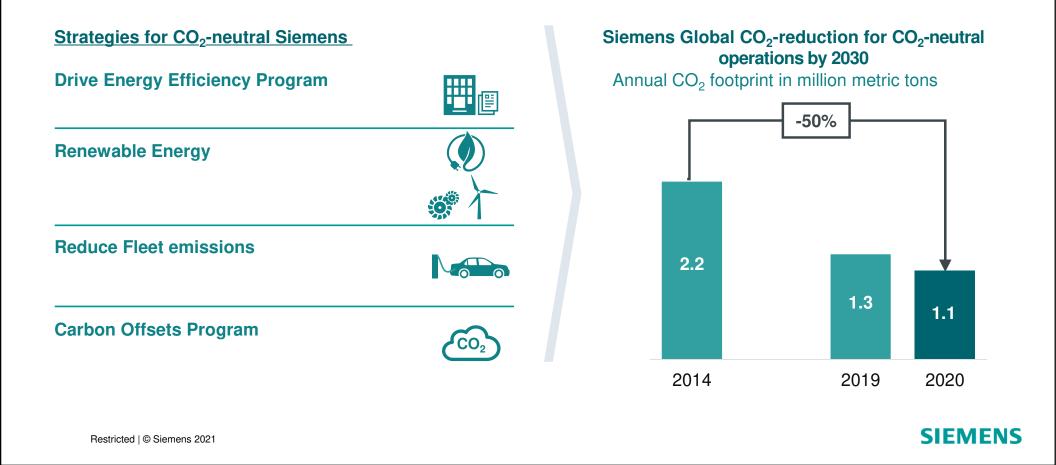


Princeton Demand Response Test

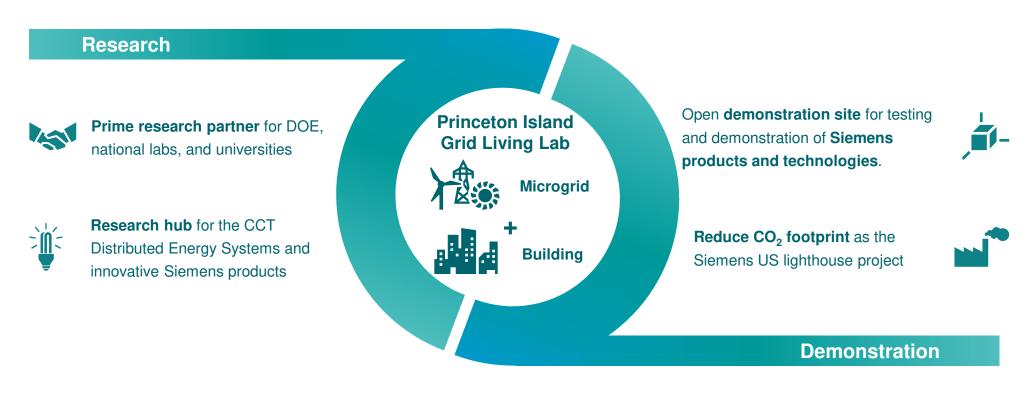


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The Princeton Island Grid contributes to Siemens CO₂ footprint to become carbon neutral by 2030

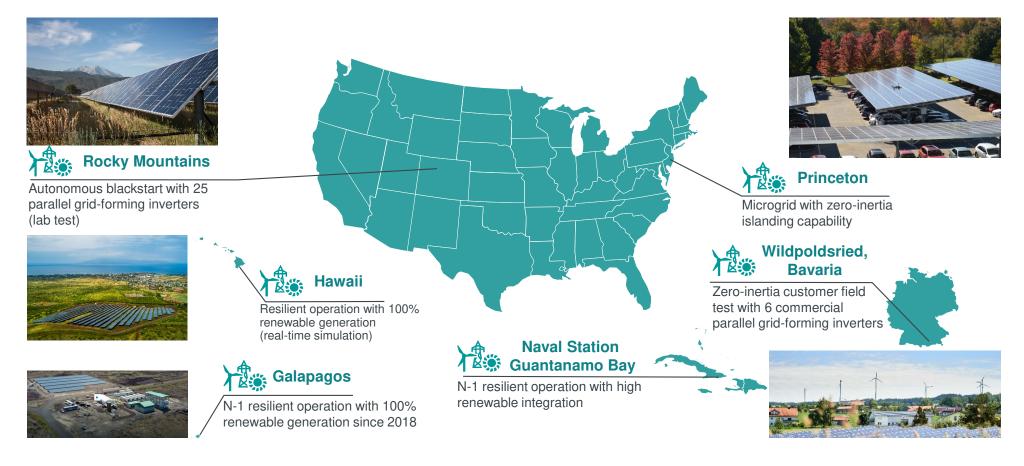


Princeton Island Grid – a living lab to serve as a platform for researching and demonstrating new technology for commercial building and microgrid operation



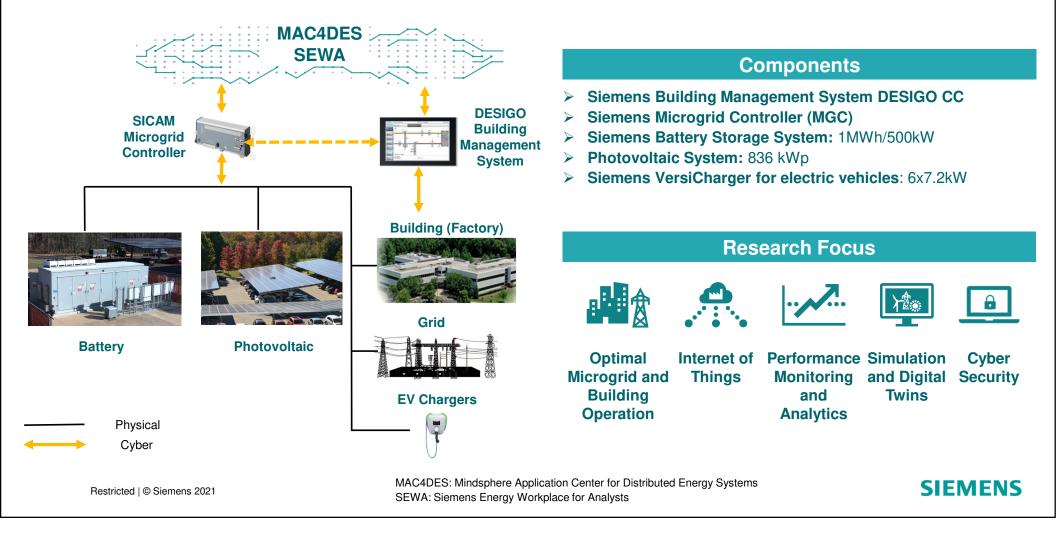


We are driving innovation in resilience and sustainability for the US energy systems



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Princeton Island Grid – A living lab to drive innovation and sustainability



Princeton Island Grid – What does it look like?

Solar Panels



E-house (Batteries, inverters)



Transfer Switches (for islanding)

EV chargers





SIEMENS

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Contact



Siemens Smart Infrastructure Chris Davidson

Director Hybrid Power Solutions

Siemens Industry, Inc. SI RSS RAM SSP BPS PORT 800 North Point Parkway Alpharetta, GA 30005, USA

Phone +1 678 447-4845 Email chrisdavidson@siemens.com



Siemens Technology Xiaofan Wu, Ph.D.

Research Scientist Project Manager

T RDA FOA ASY-US 755 College Road East Princeton, NJ 08540 United States of America

Phone +1 609 608 5145

E-mail Xiaofan.wu@siemens.com

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