

## European Solar and Energy Storage Solutions

# Redwood coast airport microgrid Martinique



## Overview

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What is the Redwood Coast Airport microgrid?

Congratulations and thank you to everyone who made this milestone a reality! The Redwood Coast Airport Microgrid is a locally-owned, renewable energy facility at our regional airport. It serves as a modern cornerstone for a healthier, more resilient, and energy-independent community.

What is the Redwood Coast Energy Authority microgrid?

The microgrid provides energy resilience for the regional airport and U.S. Coast Guard Air Station and electricity to the Redwood Coast Energy Authority's customers. Read the June 7 press release announcing the celebration and the microgrid.

Does Humboldt County have a microgrid?

Since roads into and out of Humboldt County are often closed by fires and slides, energy stability at the regional airport is crucial. This is one of four microgrids designed by the Schatz Energy Research Center, and is the largest in the county.

Will PG&E's airport project be a multi-customer microgrid?

The Airport project will be the first multi-customer microgrid in PG&E's service territory. As regulators, PG&E and other utilities plan for a flexible grid to meet California's changing energy needs, the ability to smoothly integrate renewable energy and microgrid technology will become increasingly important.

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### Redwood Coast Airport Microgrid - Schatz Energy ...

As the first front-of-the-meter, multi-customer microgrid in California, this project has created a test bed for the policies, tariff structures, and operating procedures necessary to integrate microgrids into California's electric grid, and provides a ...

### Redwood Coast Airport Microgrid

The Redwood Coast Airport Microgrid (RCAM) was designed to provide energy resilience for the regional airport and U.S. Coast Guard Air Station during power outages, and electricity to the RCEA's customers while the electric grid is ...



### California's first 100% renewable multi-customer ...

The Redwood Coast Airport Microgrid features a 2.2-megawatt solar photovoltaic array that is DC-coupled to a 2 megawatt (9 megawatt-hour) battery energy storage system, comprised of three Tesla Megapacks.



### California's first 100% renewable multi-customer microgrid is now

The Redwood Coast Airport Microgrid features a 2.2-megawatt solar photovoltaic array that is DC-coupled to a 2 megawatt (9 megawatt-hour) battery energy storage system, comprised of three Tesla Megapacks.



## Redwood Coast Airport Microgrid: Advancing a resilient ...

Redwood Coast Airport Renewable Energy Microgrid , September 2020 23 o Focus on quantifiable community benefits o Converted to monetary values using reputable tools and methodologies o Baseline 20 hour/year outage at Division level - 10-year average with Major Event Days (MED) Loss of Coast Guard Services Customer interruption

## Redwood Coast Airport Microgrid - Schatz Energy Research ...

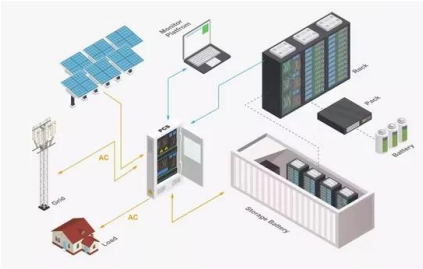
The Redwood Coast Airport Microgrid is now fully operational for both islanded and grid-connected states, and is participating in the CAISO day-ahead, real-time and ancillary services markets. Learn more about our microgrid research and design...



## Webinar: Redwood Coast Airport Microgrid: Advancing a ...

...

He has managed or co-managed two microgrid



projects at the Blue Lake Rancheria, including the 2018 DistribuTECH Project of the Year for DER Integration. Currently, he is co-managing the Redwood Coast Airport Microgrid Project; this will be the first front-of-meter, multi-customer microgrid on Pacific Gas & Electric's distribution system.

## California's first 100% renewable multi-customer microgrid is now

"The Redwood Coast Airport Microgrid represents the culmination of many years of research, innovation, and collaboration by the world's leading microgrid experts. Thanks to their hard work, microgrids now play a key role in PG& E's ongoing efforts to harden our electrical system and enhance local grid resilience throughout Northern and



## 100% Renewable Microgrid 'Takes Off' at the Redwood Coast Airport

The Redwood Coast Airport Microgrid has been designed and developed by the Schatz Energy Research Center at Humboldt State University. Located at Humboldt County's regional airport, it will be owned by the Redwood Coast Energy Authority, and will run on power lines owned by Pacific Gas and Electric Company (PG& E). This interagency collaboration is ...

**Think a Land War in Asia is Hard? Try Developing This Microgrid, ...**

The Redwood Coast Airport Microgrid is designed to provide energy resilience for Humboldt County's regional airport, which is used for emergency services and medical life flights, as well as the neighboring US Coast Guard Air Station, which runs search and rescue missions for 250 miles of rugged coastline.

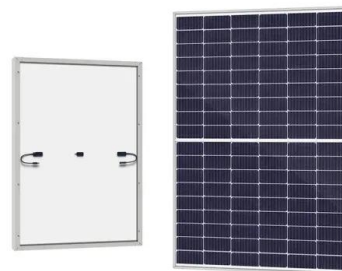


### 100% Renewable Microgrid 'Takes Off' at the Redwood ...

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### Redwood Coast Airport Microgrid , CEC

When a 6.4 magnitude earthquake struck on December 4, 2022 and knocked out power for all of Humboldt County, the Redwood Coast Airport Microgrid seamlessly islanded and provided 15 hours of backup power to the local commercial airport, the US Coast Guard Air Station, and 17 other customers inside the microgrid.



### 100% Renewable Microgrid 'Takes Off' at the Redwood Coast Airport

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## The EnergyTech Mission Critical Microgrid Series: The Redwood Coast

The Most Focused Microgrid Conference? Microgrid 2022 in Philadelphia. Happening June 1-2. Details, agenda and registration here. The Redwood Coast Energy Authority, one of California's state-approved Community Choice Aggregators, stepped up as the generation system owner/operator for the airport microgrid and leases the land where the ...



## 100% Renewable Microgrid "Takes Off" at the Redwood Coast Airport

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## 100% Renewable Microgrid "Takes Off" at Airport in Humboldt ...

The Redwood Coast Airport Renewable Energy Microgrid is a unique, collaborative effort on which PG& E intends to model future multi-customer microgrids developed through our recently launched Community Microgrid Enablement Program.



## Redwood Coast Energy Authority Microgrid Proves its Worth this ...

The microgrid powered a US Coast Guard air rescue. One of the microgrid's many customers is a US Coast Guard Air Station located adjacent to the airport. The microgrid is designed to power the air station's critical functions, including the telemetry that its pilots rely on to fly their missions and rescue operations.

## Redwood Coast Airport Microgrid

The Redwood Coast Airport Microgrid (RCAM) was designed to provide energy resilience for the regional airport and U.S. Coast Guard Air Station during power outages, and electricity to the RCEA's customers while the electric grid is operating normally.



- TELECOM CABINET
- BRAND NEW ORIGINAL
- HIGH-EFFICIENCY

## Redwood Coast Airport Renewable Energy Microgrid

Redwood Coast Airport Renewable Energy Microgrid , September 2020 3 Redwood Coast Airport Renewable Energy Microgrid Key Highlights of the RCAM project o Local

government leading the way o DERs and microgrids in our local communities o Supporting vulnerable populations o Demonstrating the value of partnerships



## Redwood Coast Airport Renewable Energy Microgrid

The Redwood Coast Airport Microgrid provides resilient power to the airport and all of the neighboring customers sharing the same distribution circuit (18 in total). It is the first "front of meter" microgrid in PG& E territory and a template for the development of future FTM microgrids.



## Redwood Coast microgrid enters service with Tesla battery ...

One of California's first front-of-the-meter, multi-customer microgrids has entered service in Humboldt County, north of San Francisco. i . The Redwood Coast Airport microgrid includes a 2.2 MW solar photovoltaic array that is DC coupled to a 2 MW (9 MWh) battery energy storage system comprised of three Tesla Megapacks. It also includes a ...

## June 22: Redwood Coast Airport Microgrid grand celebration

The Redwood Coast Airport Microgrid is

California's first completely renewable, front-of-the-meter, multi-customer microgrid. It is the product of a collaborative partnership between the Schatz Energy Research Center at Cal Poly Humboldt, the Redwood Coast Energy Authority, the County of Humboldt, Pacific Gas & Electric, Schweitzer



## Contact Us

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For catalog requests, pricing, or partnerships, please visit:  
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