

# Microgrid New Blue Ocean





## Overview

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What is a blue ocean microgrid?

Blue Ocean microgrids serve power to remote, off-grid locations with power availability challenges. A resilient and expandable platform that accommodates green energy inputs. Reliability on or off grid. Uninterrupted 24/7 digital power. UPS-quality. Any format.

What is a blueflux microgrid?

Blueflux microgrids are intelligent, redundant systems designed to deliver uninterrupted 24/7 power. An interconnected and overlapping architecture minimizes the possibility of power loss, even in the event of one or more simultaneous failures of a major system component (as may occur in a weather event).

How can ocean energy technologies improve the Sustainable BLUE ECONOMY?

Among other findings: The predictability of power generation from ocean energy technologies complements the variable character solar PV and wind. Desalination of seawater using renewable energy sources – including solar and wind power, but also direct solar and geothermal heat – can further enhance the sustainable blue economy.

What is Microgrid modeling?

A microgrid modeling approach that optimizes the mix of renewable sources and energy storage systems for future scenarios considering strategic time horizons (2030, 2040, and 2050) was employed.

How can observing platforms be used in a multipurpose microgrid?

There are opportunities to codevelop observing platforms with integrated energy generation, as well as opportunities to use wave and tidal power as part of a multipurpose floating platform that has an offshore microgrid, thereby providing electricity to charge autonomous vehicles and run sensor,



data processing, and communications systems.

What will the new blue economy look like?

The new blue economy will require new ways of producing, storing, and using energy as technologies and industries move further from shore-based power grids to collect new data sets and use the ocean in new ways.



## Microgrid New Blue Ocean

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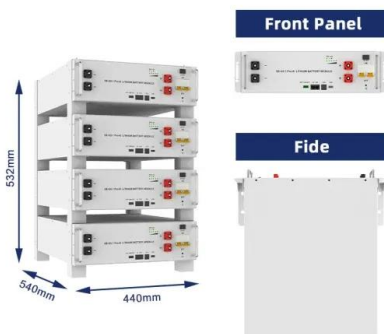
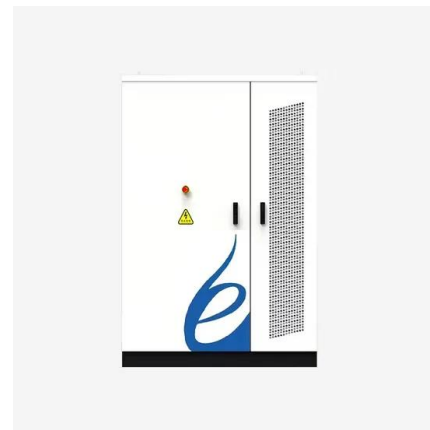


### Final New Jersey Energy Master Plan Makes Way for Microgrids

New Jersey has highlighted the role of microgrids in meeting one of the three key aims of its energy master plan, protecting the state against the threat of rising sea levels. ...

### USAID Invests \$1.2 Million in Papua New Guinea Minigrid

Papua New Guinea, which lies about 100 miles north of Australia in the Pacific Ocean, is home to nearly 1,000 distinct cultural groups. It is also one of the most biodiverse ...



### Blue Ocean Strategy EXPLAINED with EXAMPLES , B2U

Once a blue ocean is discovered, management must clearly formulate the Blue Ocean Strategy and take the actual actions to implement the new strategy. Chan Kim and ...

### Blue Ocean Strategy Examples for New Opportunities! , IM& D

The Blue Ocean Strategy is a groundbreaking approach to business strategy that challenges conventional thinking and encourages companies to create uncontested ...



### Learning "Blue Ocean Strategy" from the Tales of Indian

The roots of Blue Ocean Strategy trace back to a collaboration between W. Chan Kim and Renée Mauborgne, marked by their seminal research findings published in the ...



### Unveiling the Secrets of Blue Ocean Strategy for Business Growth

Explore the groundbreaking Blue Ocean Strategy that helps businesses sail away from competitive red oceans and discover uncharted market spaces to foster innovation ...



### Cummins, Scottish Port of Aberdeen Collaborating on ...

Cummins is a Platinum Sponsor at Microgrid Conference 2024. April 22-24 in Baltimore: Join us to Experience a Revolution in Energy. Ocean Infinity will provide one of its 78-meter Armada service vessels for Cummins to ...





## Blue Ocean Companies: Untapped Market Potential

Blue ocean strategy is defined by its focus on value innovation and creating uncontested market space. Successful examples of blue ocean companies include Salesforce, ...



## Blue Lake Rancheria Microgrid - Schatz Energy Research Center

Thursday, April 27 @ 2 pm (webinar) -- Seabirds in 3D: a new framework for assessing collision vulnerability with floating offshore wind.  
Thursday, April 6 @ 5:30 pm ...

## Offshore microgrid to showcase ocean energy and ...

A push to unlock the "almost limitless" potential of Australia's vast ocean energy resources is being launched on Wednesday, including plans to build a pilot-scale offshore microgrid that

TAX FREE

### ENERGY STORAGE SYSTEM

**Product Model**  
HJ-ESS-215A(100KW/215KWh)  
HJ-ESS-115A(50KW 115KWh)

**Dimensions**  
1600\*1280\*2200mm  
1600\*1200\*2000mm

**Rated Battery Capacity**  
215KWH/115KWH

**Battery Cooling Method**  
Air Cooled/Liquid Cooled



## Global Microgrid Energy Storage Market Insights, Forecast to 2030

Chapter 3: Detailed analysis of Microgrid Energy Storage companies' competitive landscape, revenue, market share and industry ranking, latest development plan, ...



## WHAT IS BLUE OCEAN STRATEGY?

BLUE OCEAN STRATEGY is the simultaneous pursuit of differentiation and low cost to open up a new market space and create new demand. It is about creating and capturing uncontested market space, thereby making the competition ...



### **7 Powerful Blue Ocean Strategy Examples That Left the ...**

Fast forward to March 2017 and Nintendo offers up another blue ocean strategy example with the Nintendo Switch. Answering a growing demand for simple games such as the free ...

### **Regional Ocean Energy Knowledge Hub waves hello to new ...**

The University of Western Australia's Wave Energy Research Centre, with headquarters in Albany, is leading a \$4.8 million marine innovation project on the Great Southern coast. The ...



### **Enhancing Islanded Power Systems: Microgrid ...**

A microgrid modeling approach that optimizes the mix of renewable sources and energy storage systems for future scenarios considering strategic time horizons (2030, 2040, and 2050) was employed.



### Smart Microgrids - Blueflux Power

Blueflux microgrids are intelligent, redundant systems designed to deliver uninterrupted 24/7 power. An interconnected and overlapping architecture minimizes the possibility of power loss, even in the event of one or more ...



### First "Floating Microgrid" Mooring Platform Enhances Resilience at New

New Bedford, MA - PowerDocks, LLC announced today the successful demonstration of its Blue Isles(TM) Floating Microgrid Mooring Platform in partnership with the ...

### 8 Communities Breaking New Ground with Microgrids

Cuyahoga County, Ohio; This project deserves recognition for its magnitude and ambition. The county of 1.2 million people is considering microgrids for at least three areas, including one for an innovation hub that ...



### Real-World Examples of Blue Ocean Strategy: Lessons from

The world of business is constantly evolving, and new blue ocean opportunities emerge regularly. Continuous learning and exploration are essential for staying ahead of the ...



### Life Won Thanks to the Blue Lake Rancheria Microgrid

The Blue Lake Rancheria microgrid likely saved four lives when its owner welcomed in the broader community during California's wild-fire related power shutoffs. ...

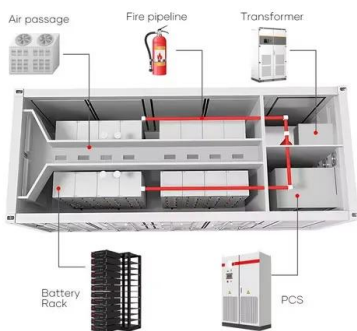


### A Look at the 13 New Jersey Microgrid Projects that Won State ...

The additional capacity could be provided through new power which may include solar, dispatchable generation such as CHP, new distribution assets, storage, and other new ...

### A Smart Move by the Blue Lake Rancheria Microgrid during ...

But the microgrid controller was thinking a step ahead of everybody. Blue Lake Rancheria worried that COVID-19 spelled trouble for its microgrid operations. But the ...



### Why You Should Eliminate And Reduce To Find ...

In Blue Ocean Strategy, the need to eliminate, reduce, raise, and create were identified but in Blue Ocean Shift, the authors explicitly specified that the process should follow a particular order: 1) Eliminate, 2) Reduce, 3) Raise, and 4) ...



## What Is Blue Ocean? Definition in Markets and Characteristics

What Is Blue Ocean? Blue ocean is an entrepreneurship industry term created in 2005 to describe a new market with little competition or barriers standing in the way of ...



## Ocean Energy Smart Grid Integration Project Reaches ...

The BMT Smart Grid Controller is designed to efficiently manage and integrate an unlimited number of energy sources in a fully off-grid remote microgrid. The integration of additional renewable energy sources is ...

## Sustainable Marine starts full-scale smart grid trials ...

The BMT Smart Grid Controller is designed to efficiently manage and integrate an unlimited number of energy sources in a fully off-grid remote microgrid, the project partners said. The integration of additional ...



## Microgrid Technology: What Is It and How It Works?

The microgrid controller consists of three parts operating at different time scales and focusing on switch logic (red), power flow control (blue), and energy planning (green). ...



### Blue Ocean Strategy & Blue Ocean Shift: Create Blue ...

Chan Kim and Renée Mauborgne. are the authors of the New York Times Best Seller Blue Ocean Shift and the 4 million copy global bestseller Blue Ocean Strategy 2023, they were chosen as two of the four leading thinkers in the ...



### Fostering a blue economy: Offshore renewable energy

Desalination of seawater using renewable energy sources - including solar and wind power, but also direct solar and geothermal heat - can further enhance the sustainable blue economy. Renewable-based shipping, ...

### Blue Ocean Strategy: Unlocking New Market Spaces

Traditional business approaches often focus on competing in established markets, which can limit growth potential. In contrast, Blue Ocean Strategy provides a framework for discovering and developing untapped ...



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