

## European Solar and Energy Storage Solutions

# Wartsila bess Serbia



## Overview

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Is Wärtsilä a Bess integrator?

Wärtsilä is headquartered in Helsinki, Finland, and primarily provides power solutions in the energy and marine industries. It was the fourth-largest BESS integrator in IHS Markit's 2021 rankings, after Tesla, NextEra and Fluence (in ascending order).

Does Wartsila energy have a fire-safety system?

Finland's Wartsila Energy has released a new turnkey battery energy storage system (BESS) with new fire-safety features. From ESS News Fire safety is a key feature of Wärtsilä Energy 's new Quantum3 BESS, alongside cybersecurity, energy density and sustainability design upgrades.

Is Wärtsilä energy's 'Quantum3 Bess' fire-safe?

Fire safety is a key feature of Wärtsilä Energy 's new Quantum3 BESS, alongside cybersecurity, energy density and sustainability design upgrades. The Finland-based company's AC block BESS builds on the Quantum2 model, which underwent nearly 10,000 hours of fire-safety testing, including research on firefighting water and plume gas.

What is Wärtsilä energy's AC block Bess?

Wärtsilä Energy's AC block BESS is an evolution to a previous model, the Quantum2, which saw almost 10,000 hours of fire-safety testing, analysis and reporting, including analysis of firefighting water and plume gas.

How many power plants does Wärtsilä have?

Our track record comprises 79 GW of power plant capacity, of which 18 GW are under service agreements, and over 125 energy storage systems, in 180 countries around the world. Wärtsilä is a global leader in innovative technologies and lifecycle solutions for the marine and energy markets.

Does Wärtsilä have a timetable for a strategic review?

Wärtsilä Board of Directors has not set a timetable for the completion of the strategic review. Wärtsilä will disclose the progress and conclusions of the review according to applicable disclosure laws and regulations. For further information, please contact: For press information, please contact: Wärtsilä in brief

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### Wärtsilä reviewing energy storage business, considers divestment

Image: Wartsila. Power technology firm Wärtsilä has initiated a strategic review of its energy storage and optimisation (ES& O) business, with "all potential alternatives considered" including divestment. (BESS) integrators in the world, consistently in the top five rankings from IHS Markit (and now S& P Global which acquired IHS)

### Wärtsilä completes 'worst-case scenario' fire tests on battery

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Other BESS manufacturers and system integrators have also carried out large-scale fire testing on whole units, including Fluence, Sungrow and Trina Storage. 'Noise could be the new fire' In interview with Energy-Storage.news this year, Wärtsilä ES& O vice president Andy Tang said that concerns over acoustic noise from BESS units is growing.



### Wärtsilä sees 'favourable demand environment' for energy storage ...

It was the only large-scale BESS asset to come online in that country during the third quarter of last year. Image: Wärtsilä-AGL Wärtsilä's energy storage division saw a 20% year-on-year increase in sales and a 31% increase in order intake from 2022 to 2023, with the company

board in mid-consideration of the business unit's future.

## Wärtsilä reviewing energy storage business, considers divestment

A two-hour duration battery energy storage project recently commissioned by Wartsila. Image: Wartsila. Power technology firm Wärtsilä has initiated a strategic review of its ...



## Wärtsilä introduces Quantum3: A complete, high ...

Technology group Wärtsilä has launched Quantum3, an intelligent cutting-edge battery energy storage system (BESS) with new safety, cybersecurity, energy density, and sustainability design features. Quantum3 is ...

## Interview: Andy Tang, VP energy storage, Wärtsilä

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## Inside information: Wärtsilä begins a strategic review of its Energy

saara.tahvanainen@wartsila Wärtsilä in brief  
Wärtsilä is a global leader in innovative technologies and lifecycle solutions for the marine and energy markets.



Application scenarios of energy storage battery products



## Wärtsilä adds new high-density, AC block ESS to portfolio

Quantum3, the latest battery energy storage system (BESS) from Nasdaq Helsinki-listed Wärtsilä boasts high energy density and other advanced features from its established Quantum product line. It has fully integrated and internalized batteries and string-based power conversion systems.

## BESS Commissioning Engineer Job Details , Wärtsilä

BESS Commissioning Engineer Wärtsilä is an innovative technology company known for being a forerunner in the Marine and Energy markets. Every day, we - Wärtsilians - put our hearts and minds into turning Wärtsilä's purpose of enabling

sustainable societies through innovation in technology and services into reality.



### **Wärtsilä introduces Quantum3: A complete, high-density AC block ...**

Technology group Wärtsilä has launched Quantum3, an intelligent cutting-edge battery energy storage system (BESS) with new safety, cybersecurity, energy density, and sustainability design features. Quantum3 is the latest addition to Wärtsilä's Quantum battery energy storage product portfolio supporting a global decarbonised future.

### **Wärtsilä adds new high-density, AC block ESS to portfolio**

BW ESS, Penso Power and Shell sign seven-year fixed-price deal for 330 MWh BESS asset in the UK Long-duration tolling agreement will see Shell Energy Europe trade a 100 MW/330 MWh battery energy storage system (BESS) in Great Britain, scheduled for commissioning in late 2024. The fixed-price deal comes at a time of reduced revenues for



### **New utility-scale Wartsila battery energy storage system upgrade**



Fire-safety is a key feature of Finland-based technology company Wärtsilä Energy's newest battery energy storage system (BESS) called Quantum3, alongside cybersecurity, energy density and sustainability design upgrades.

## Wärtsilä's high energy BESS solution to get

Image: Wartsila. The first energy storage asset built using Wärtsilä's new Quantum High Energy battery energy storage system (BESS) solution will be a 300MW/600MWh project in Scotland, UK. At the same ...



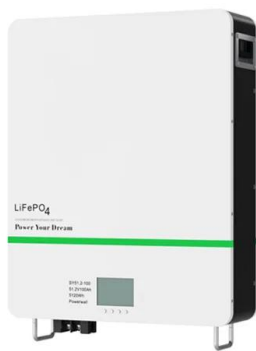
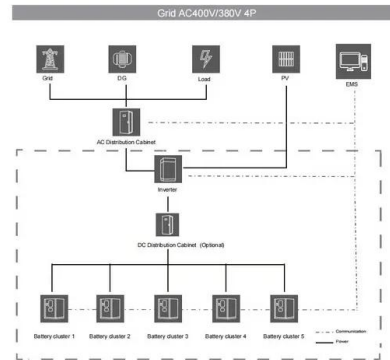
## Wärtsilä supports South Australia's energy transition with new 150 ...

The standalone battery energy storage system (BESS) will have a 150 MW / 300 MWh capacity and will support energy security and reliability as renewable energy supply increases, pacing South Australia's ongoing energy transition. [katri.pehkonen@wartsila](mailto:katri.pehkonen@wartsila) . Image caption: Wärtsilä has been selected to deliver its second major energy

## Wärtsilä on EMS for the 'multi-gigawatt-hour' era of energy storage

GEMS rack at a BESS site in the UK. Image: Wärtsilä . Alongside those, the EMS is also

designed to offer lower latency in responding to grid signals, in other words boosting an already split-second response times, which Ruchira Shah says is going to be vital for asset owners looking to participate in increasingly sophisticated classes of



## Wärtsilä installs Singapore's first utility-scale ESS as Southeast ...

Wärtsilä has installed the first utility-scale battery storage project in Singapore and received an order from a customer in Southeast Asia for a further 90MW / 90MWh of battery storage.

## Energy Storage & Optimisation

storage.wartsila . GEMS Product Suite Optimise your energy, future-proof your assets, maximise revenue streams. GEMS Power Plant Controller. The Power Plant Controller conducts intelligent power control and energy management operations at plants of all sizes. Download



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## The multi-gigawatt proving ground: Australia's ESS market

The Eraring BESS site, owned by Australian utility Origin Energy, recently saw its stage three expansion green-lit. This makes it Australia's largest approved BESS with around 2,800MWh energy storage capacity, the same size as the existing black coal-fired power plant connected to the site's National Electricity Market (NEM).





## Wärtsilä Energy Storage

Wärtsilä Energy Storage & Optimisation. Energy storage integrator: optimising energy for a smarter, safer, more reliable grid. Wärtsilä Energy Storage & Optimisation is leading the introduction of disruptive, game-changing products and technologies to the global power industry. As a battery energy storage integrator, we're unlocking the way to an optimised energy future ...

## Wärtsilä wins Bahamas BESS contract to aid island's grid stability

In July, BPL CEO Heastie was quoted by The Tribune as having said the BESS is expected to cost about US\$15 million. He said it will allow the utility to transfer energy load demand onto newer, more efficient and cheaper to run thermal power plants, and prevent BPL from having to run some older plants "just to hold a voltage that supports the



## Wärtsilä, AGL complete Australia BESS project

The BESS will operate in grid-following mode, transitioning to grid-forming mode (virtual synchronous generation, VSG) later. Wärtsilä claimed this feature makes it the largest BESS capable of operating in VSG mode, enabling fast response times and future-proofing operations for the facility.

## Wärtsilä releases new utility-scale battery - pv magazine ...

The Finland-based company's AC block BESS builds on the Quantum2 model, which underwent nearly 10,000 hours of fire-safety testing, including research on firefighting water and plume gas.



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