

# **Global energy storage alliance Isle of Man**





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Utilities for Net Zero Alliance (UNEZA) members step up massive investment commitments in support for global ambitions to increase storage capacity six-fold by 2030 and add or refurbish 80 million kilometers of grids by 2040

### Could the Isle of Man achieve energy independence?

Graph showing options to generate renewable power, store energy and utilise power on the Isle of Man. The costs are before-profit averages assuming the investments are spread over 20 years, shown both as per kWh (kilowatt hour) ...



### ISLE OF MAN FUTURE ENERGY SCENARIOS

In December 2020, the Isle of Man Government launched its Future Energy Scenarios Strategy to determine the pathways to meet the following: Electricity generation is responsible for ...

### The Global Renewables Alliance supports an upcoming COP29 energy ...

The Global Renewables Alliance envisions over 1,000 GW of long-duration energy storage by 2030 and a need for up to 8,000 GW by 2040--a



50-fold increase from today's levels. This ambition highlights the transformative potential of energy ...



### COP29 Global Energy Storage Target: A Strong First Step

Baku, 15 November 2024: Multiple nations have committed to the Global Energy Storage and Grids Pledge. The pledge, which was proposed by the COP29 Presidency, calls on governments and non-state actors to commit to a deployment target of 1,500 GW of energy storage, doubling grid investment and the development of 25 million kilometres of grid

### ESC director leads sustainable energy project for island communities

A director of the Energy & Sustainability Centre Isle of Man (ESC) is leading a consortium bidding for EUR5million of European Commission funding to build a new form of energy storage designed ...



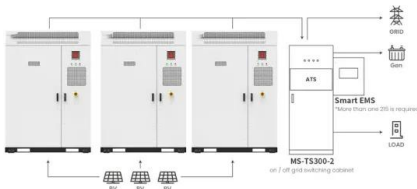
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Application scenarios of energy storage battery products

### Global Energy Storage Alliance (GESA) is Established to Advance

GESA is also actively engaged in a number of strategic initiatives, including developing a universal framework for evaluating energy storage cost-effectiveness for various applications, and

### COP29: can the world reach 1.5TW of energy storage by 2030?

According to Power Technology's parent company, GlobalData, global energy storage capacity is indeed set to reach the COP29 target of 1.5TW by 2030. Rich explains that ...





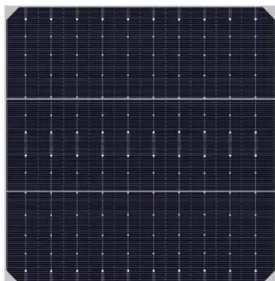
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## **COP29: can the world reach 1.5TW of energy storage by 2030?**

According to Power Technology's parent company, GlobalData, global energy storage capacity is indeed set to reach the COP29 target of 1.5TW by 2030. Rich explains that pumped storage hydroelectricity (PSH) has been central to the energy transition, having contributed more than 90% of deployed global energy storage capacity until 2020.

## **Behind Zurich's powerful partnership promoting energy**

Zurich in the Isle of Man is a multiple sustainability award winner and one of the founding partners of ESC (Energy & Sustainability Centre Isle of Man), the leading Manx charity that supports the Island's transition to a low-carbon economy.





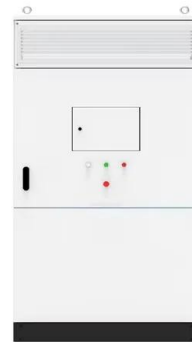
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A director of the Energy & Sustainability Centre Isle of Man (ESC) is leading a consortium bidding for EUR5million of European Commission funding to build a new form of energy storage designed specifically for island communities.



## Could the Isle of Man achieve energy independence?

Graph showing options to generate renewable power, store energy and utilise power on the Isle of Man. The costs are before-profit averages assuming the investments are spread over 20 years, shown both as per kWh (kilowatt hour) and as per person per year. The energy storage costs are based on 3 GWh (gigawatt hours) of storage.

## ISLE OF MAN FUTURE ENERGY SCENARIOS

In December 2020, the Isle of Man Government launched its Future Energy Scenarios Strategy to determine the pathways to meet the following: Electricity generation is responsible for approximately 33% of all greenhouse gas emissions on the Isle of Man, and a majority of



this is currently sourced from fossil fuels (natural gas).



### **Isle of Man: Time is now to be a green energy pioneer**

In 2021, the Isle of Man pledged to take urgent action to acknowledge and tackle the global climate crisis when Tynwald passed the Climate Change Act - setting a roadmap towards carbon reduction and renewable energy targets.

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