

# **Ireland primus power energy storage**





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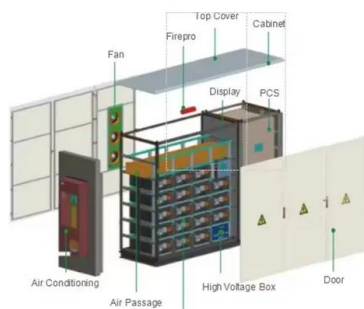


### Primus Power CEO: Economic advantages of

Andy Colthorpe spoke with Primus Power CEO Tom Stepien to learn more. Primus has claimed three key areas of advantage for customers: low material cost, long 'fade-free' lifetime and system safety. To what extent are those things that apply generally to flow batteries and why are all or any of them particularly applicable to Primus Power's

### Long-duration energy storage is long-term goal for ...

As is true for many global markets, the next step in developing energy storage as a key element of Ireland's renewable energy industry is the use of long-duration energy storage (LDES). These are battery storage systems ...



### ENERGYPOD® 2 LONG DURATION ENERGY STORAGE

PEMS (Primus Energy Management System) Features o Programmable scheduling for charge/discharge o Inverter management o EnergyFarm management and reporting o EnergyFarm power management: load shedding, frequency regulation, VAR control o Built in redundancy for Master BMS oTime management: time to charge, time to discharge,

### Supporting Ireland's energy transition with battery ...



ESB has shown its commitment to battery storage technology through active investment. We have over 300MWs of two-hour storage across five sites, enough to power around 200,000 homes.



### Unlocking the power of multi-day energy storage on Ireland's ...

As Ireland accelerates the deployment of wind and solar energy in an effort to decarbonise its power grid, it needs significant new sources of flexibility to manage the volumes of excess renewables. New and emerging long duration storage technologies will play a critical role in delivering an affordable, fully decarbonised power system to the

### Primus Power launches new low cost, long-duration storage solution

The solution is ideal for peak shaving for commercial and industrial (C& I) customers that typically face high electricity bills during peak periods. Long duration energy storage can shift loads from on-peak times to off-peak times, thereby significantly reducing demand charges.



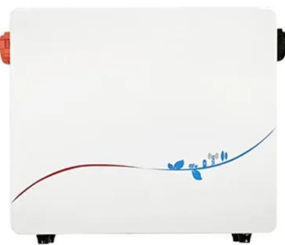
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### Primus Power grid-scale storage secures US\$20 million in ...

Grid-scale electrical energy storage (EES) company Primus Power announced that a Series C funding round has secured US\$20 million worth of investment, including a 'major contribution' from Anglo American Platinum. The company will deploy two demonstration systems for its EnergyPod containerised storage array product this year.

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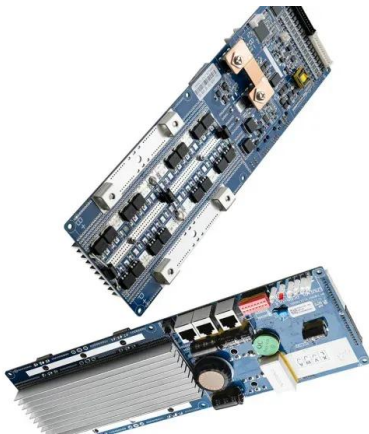


## Long-duration energy storage is long-term goal for Ireland

As is true for many global markets, the next step in developing energy storage as a key element of Ireland's renewable energy industry is the use of long-duration energy storage (LDES). These are battery storage systems which can charge and discharge energy for longer periods of time, usually at least two hours.

## Energy Storage

Utilities can use long duration batteries instead of fossil-based systems to satisfy peak power needs, defer costly system upgrades, and shift mid-day oversupply of renewable photovoltaic generation to evening peak periods.



## Low Cost, Long-Duration Energy Storage

Primus' stationary battery systems are scalable from 25kW to 25MW and are intended to serve the energy storage needs of corporations and utilities. With a five-hour duration and lab-certified 20-year life, EnergyPod 2 delivers a total cost of ownership up to 50% less than leading conventional lithium-ion battery systems.

## Energy storage: it's not just about lithium ion batteries - Primus Power

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