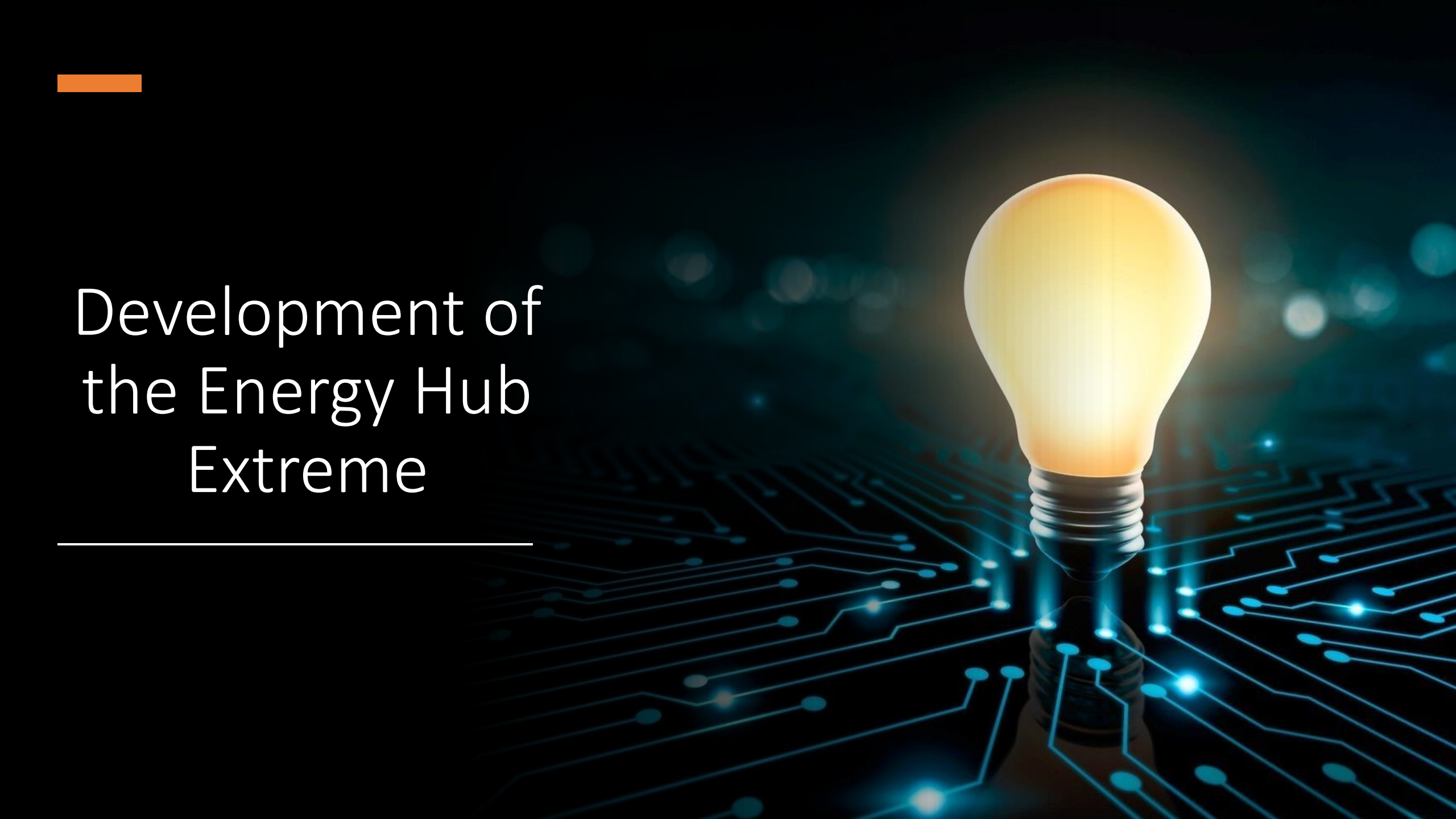
The Energy Hub

The Energy Hub - Extreme Developed in Australia to operate in high temperature environments.

AUSTRALIAN MADE AND OWNED

Development of the Energy Hub Extreme



Much of Australia is an open and vast landscape exposed to climate extremes. Many Australians live and work out in these extreme and isolated locations. Living in these hostile conditions is challenging. For many, their only source of energy is from a diesel generator. Our vision was to develop Energy Producing Storage Systems that could operate effectively in extreme heat conditions.

The Energy Hub was a culmination of many idea's focusing on Simplicity, Usability and Reliability. From the birth of the Energy Hub the Extreme was developed to operate in high temperatures while being able to maintain cool internal temperature for the electronic system.

"The Energy Hub Extreme"

Reliable – Efficient - Sustainable

What makes up the Energy Hub Extreme

Fronius 5kW Primo Inverter

1450W Outdoor Air-conditioner

Victron Multiplus II 48/5000-70-50

Victron Cerbo GX & Touch 50 Screen

4 x 4kW PowerPlus Lithium Batteries

The Fronius Inverter collects energy from the sun to supply power to the Multiplus inverter/charge and the home. It provides energy during the day to run the home and charge the batteries.

The Multiplus Inverter/Charger is responsible for charging the batteries during the day via energy provided by the fronius inverter and to provide energy when the sun goes down to the home.

The Generator is linked to the Victron Central Command Station and will automatically turn ON or OFF when required. This could be to assist with charging of the batteries or to provide additional power.

The Outdoor wall mounted Air conditioner maintains the operating temperature within the cabinet on hot days and nights.

MAIN SWITCHBOARD

The Victron Central command station is responsible for ensuring everything works as required and to start and stop the generator. It also sends information to the VRM portal via the internet.

The Lithium Batteries store energy which is used to provide power to the home during the evening and low light days.

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PowerPlus Energy

victron energy
BLUE POWER

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