



# YARRA ENERGY FOUNDATION COMMUNITY BATTERY

Community

Providing technology to achieve  
net-zero

## AT A GLANCE

### THE CHALLENGE

Needed a partner that would:

- Buy and sell electricity for the batteries on the wholesale market
- Operate the battery connection point
- Monitor and control the fleet of batteries

### THE SOLUTION

- Partner with Acacia Energy to utilise Acacia Energy's proprietary OBE platform and market registration

### THE IMPACT

- Achieved optimisation of the batteries value across revenue and cost streams every 5 minutes
- Earned revenue whenever the battery discharges
- Achieved maximum value on each battery
- Opportunity for communities to transition away from fossil fuels and towards renewables

## THE CHALLENGE

Yarra Energy Foundation (YEF), an independent not-for-profit established in 2010 by Yarra City Council, embarked on the Yarra Energy Storage Solution (YESS) Program to deploy 200 community batteries in the CitiPower network area. To take on this project, YEF required a partner with the technology and expertise to work across the whole fleet of batteries to be able to:

- Buy and sell electricity for the batteries in the wholesale spot market operated by AEMO
- Bid the battery capacity into the Frequency Control Ancillary Services market operated by AEMO
- Operate the Battery connection point under a Use of System Agreement with CitiPower
- Monitor and control the batteries in coordination with the operating schedule produced by YEF using the ANU developed software

## THE SOLUTION

Acacia Energy partnered with YEF to provide technology and expertise to work across the fleet of batteries. Acacia Energy was appointed as the Aggregator for the batteries, meaning those 200 batteries deployed under the YESS program will be able to engage as a single entity on the electricity market.



Acacia Energy



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## THE SOLUTION CONT.

Acacia Energy's proprietary OBE platform will allow YEF to achieve the maximum value from each battery throughout the day.

## THE IMPACT

Acacia Energy's proprietary OBE Platform optimises the value of the battery across revenue and cost streams every 5 minutes. Through YEF's partnership with Acacia Energy, YEF will earn revenue when the battery discharges based on the wholesale spot market price and will earn revenue for making capacity available to support AEMO FCAS. Through using Acacia Energy's proprietary OBE Platform, YEF will achieve the maximum value from each battery throughout the day, which will continue to fund ongoing maintenance and expenses of the project.

Through the partnership, Acacia Energy can deploy and operate a fleet of batteries using a common platform that is autonomously operated, which enables the YESS program to deliver the community benefits of:

1. Community members who don't have adequate roof space – they are able to gain access to renewable energy
2. Community members with excess solar – they can store their excess.

This access provides opportunity for a transition away from fossil fuels and towards renewable sources within Australia.



Acacia Energy