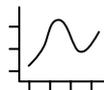


mondo®



Community energy for businesses and homes

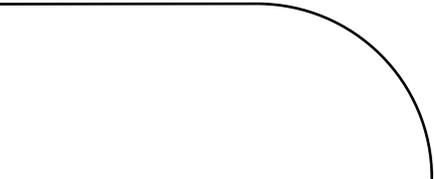
generate + manage + store + share



mondo.com.au

Connecting communities





Your guide to navigating the new energy landscape, energy hubs, mini grids and virtual power plants.

Here's how it works

A mini grid or virtual power plant connects a group of energy users together, empowering them to generate, store and share energy.

When multiple homes or businesses in an area have an Ubi™ these systems form a network to communicate with one another and enable a range of benefits including the power to:

- Establish and track community renewable energy targets
- Compare your energy use and renewable energy generation to your community
- Unlock the potential to trade energy locally

Working together for a **bright future.**

Mondo Power Pty Ltd is an independent subsidiary of AusNet Services Ltd

Our vision for energy hubs

1. Solar generation

Medium and large-scale solar PV systems installed across the region.

2. Battery Storage

Selected local solar sites fitted with battery storage.

3. Hydrogen fuel production

Pilot program to convert excess solar energy and recycled water to hydrogen fuel for freight transport and energy storage.

4. Electric Vehicle (EV) charging

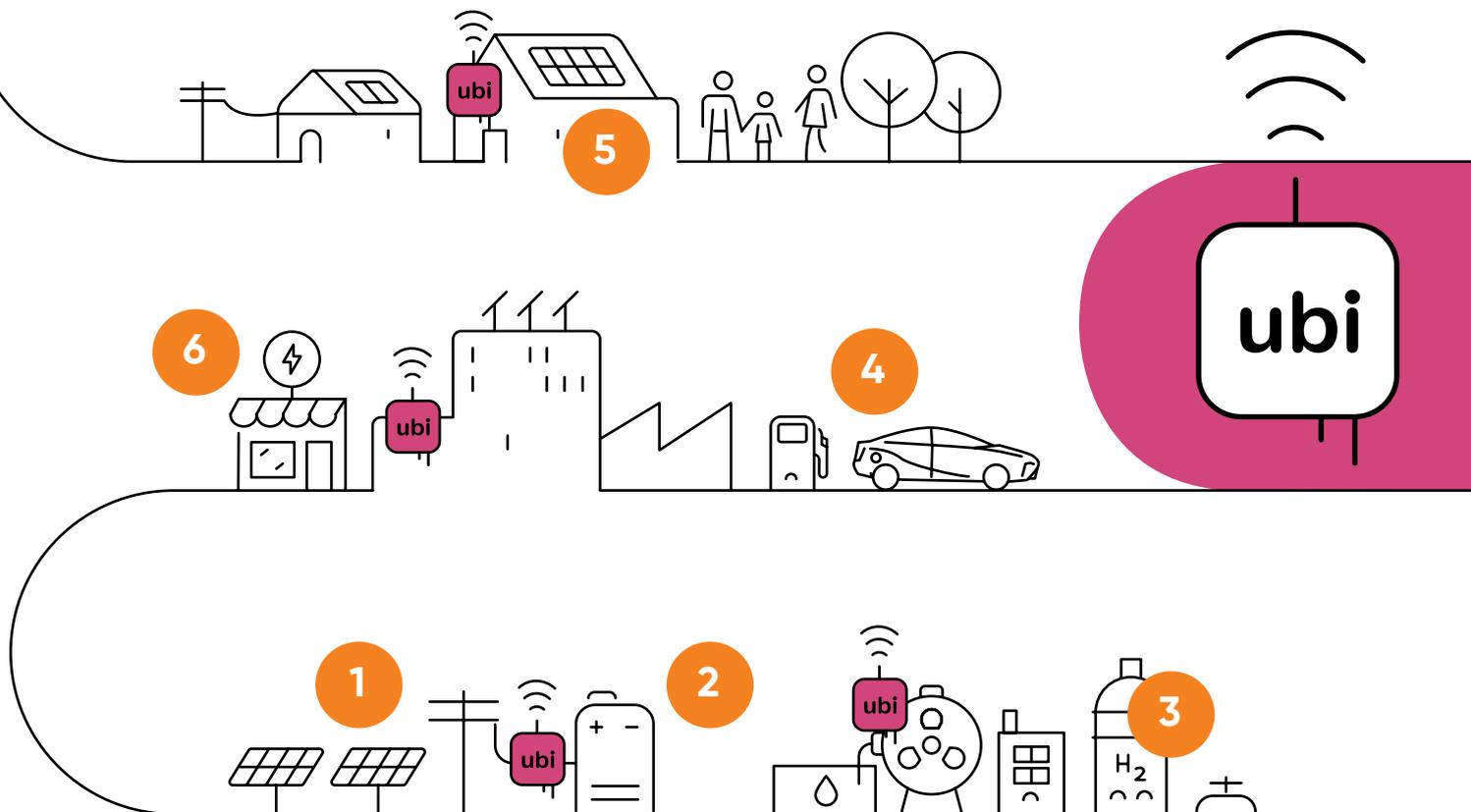
Fast charge stations powered by renewable energy, deployed across the region.

5. Excess energy provided to community

Integrated community energy retailer to support energy sharing. Locally produced solar energy supplied to the community.

6. Community able to "buy" portions of solar farms

Homes and businesses able to invest in solar farms.



A pioneering regional energy and economic centre.

Community energy hubs are our model for Australia's energy future. They will demonstrate that communities can be empowered to use the existing network to generate, store and share their own renewable electricity.

Along with solar systems and battery storage across several energy clusters, other exciting opportunities will be investigated for the deployment of other local energy infrastructure, such as hydrogen conversion, waste to energy, and electric vehicle charging stations.

Energy Hub projects are being developed in collaboration with Shire Councils, local businesses, community groups and government agencies. This will have far reaching benefits for the region's economy, local employment, the community, the environment and tourism.



Connecting businesses and communities

Ubi™ is the foundation for the community mini grid, connecting a group of energy users together, empowering them to generate, store and share energy.

Making it all possible

Ubi™ – The brains for your energy use, capture, storage and sharing.

Ubi™ is the smart energy monitoring and management system that delivers accurate and timely information to your computer, tablet or smartphone.

Ubi™ monitors your electricity use, solar system and battery, providing near real-time data about your energy consumption, generation and storage.

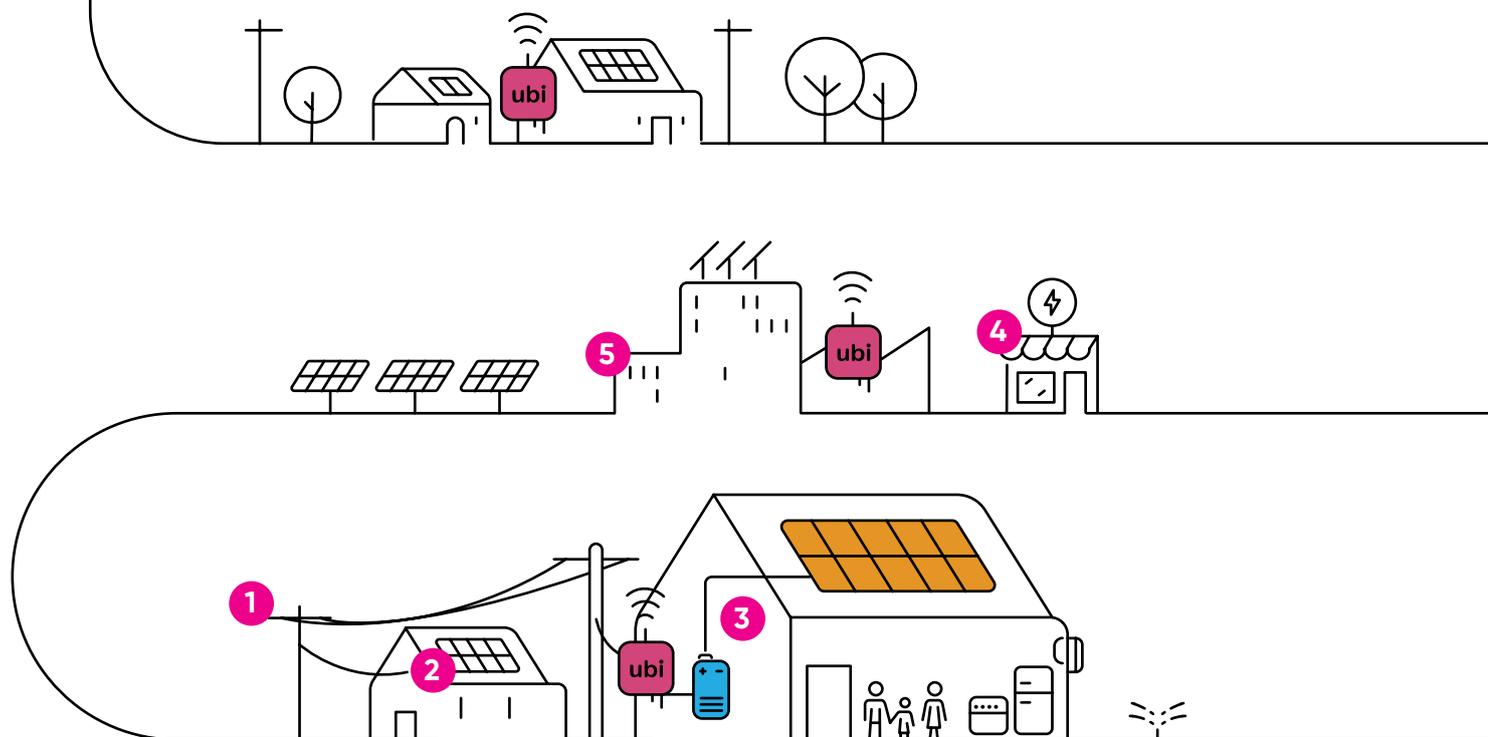
Ubi™ even monitors and controls individual appliances such as water heaters and pumps, meaning you can turn them on and off remotely.

When multiple homes or businesses in an area have an Ubi™ these systems form a network to communicate with one another and enable a range of benefits including the power to:

- Establish and track community renewable energy targets
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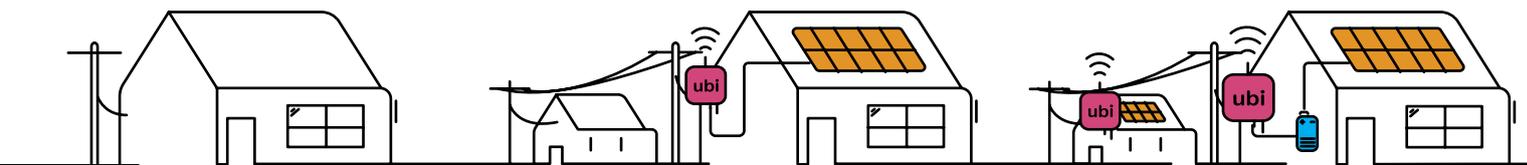
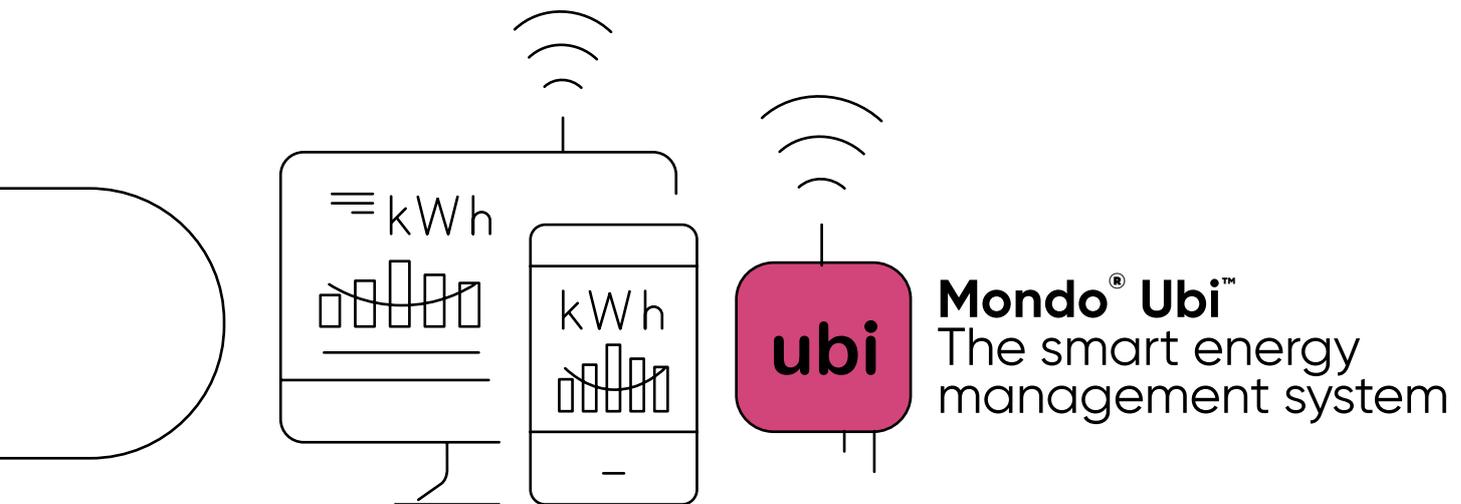
How a mini grid works

Locally generated clean energy



- 1** The mini grid uses the normal power grid to share electricity, meaning no extra infrastructure is required. Electricity is only sourced from the central grid when there is not enough generated or stored in the mini grid.
- 2** Not all homes or businesses in an area need to join straight away. You can start small and grow over time.
- 3** Your Ubi™ connects you to the mini grid. It helps you monitor and manage your electricity use. If you have a solar system or battery Ubi™ will help you get the most out of them too.
- 4** A Community Energy Retailer facilitates electricity trading within the mini grid.
- 5** A mini grid can include a mix of homes and businesses. If you have an organisation with multiple buildings you can monitor and manage multiple locations or even run a private mini grid.





The past

In the past homes or businesses could only consume electricity.

Electricity was generated at large, centralised power plants and distributed to consumers who paid their energy retailer for the power they used.

- Centralised power plants were usually powered by heavily polluting fuels, such as coal.
- During outages on the network, such as those caused by fallen trees, premises suffered blackouts until the outage was fixed.
- On-site power generation options were limited, unreliable, dirty, prohibitively expensive, and any surplus energy generated was wasted.

The present

In recent years many homes and businesses have installed on-site energy systems, such as rooftop solar. These individual premises capture and store their own energy and also consume it from the grid.

- Rooftop solar means you can provide your own power during the day.
- A battery is a big step towards day and night energy self sufficiency.
- Energy sourced from the grid is still largely sourced from fossil fuels.
- Any surplus energy can only be sold back to the energy retailer for a modest price, sometimes called a feed-in tariff.

The mini grid

A mini grid connects a group of energy users together, empowering them to generate, store and share energy.

The homes and businesses in a mini grid can be a mix of those with just solar, solar and batteries or even just participate as consumers.

- Energy sourced from the grid is significantly reduced. This maximises the amount sourced from locally generated, clean, cheap, solar energy.
- Multiple locations, solar systems and batteries working as a team mean a higher potential avoid outages.
- Surplus energy can be shared amongst participants in the mini grid, sold back the grid or even donated to other community organisation.

A ground breaking collaboration between industry and community

In 2016 we began a partnership with volunteer community group, Totally Renewable Yackandandah (TRY), to explore energy solutions in order to help the community achieve its goal of powering the town with 100% renewable energy by 2022.

This unique partnership led to the Yackandandah Community Mini Grid project, which includes fourteen houses benefiting from integrated solar, batteries and energy management systems.

Through Mondo®, the successes from Yackandandah can now be repeated for businesses and communities in Australia and beyond.



Geordie Graham (Yackandandah Heights resident) with Matthew Charles-Jones and Mark Judd
Picture: The Border Mail

Our community partner

TRY is a 100% volunteer run community group, formed in 2014, with the lofty goal of powering this small Victorian town with 100% renewable energy and achieving energy sovereignty by 2022.

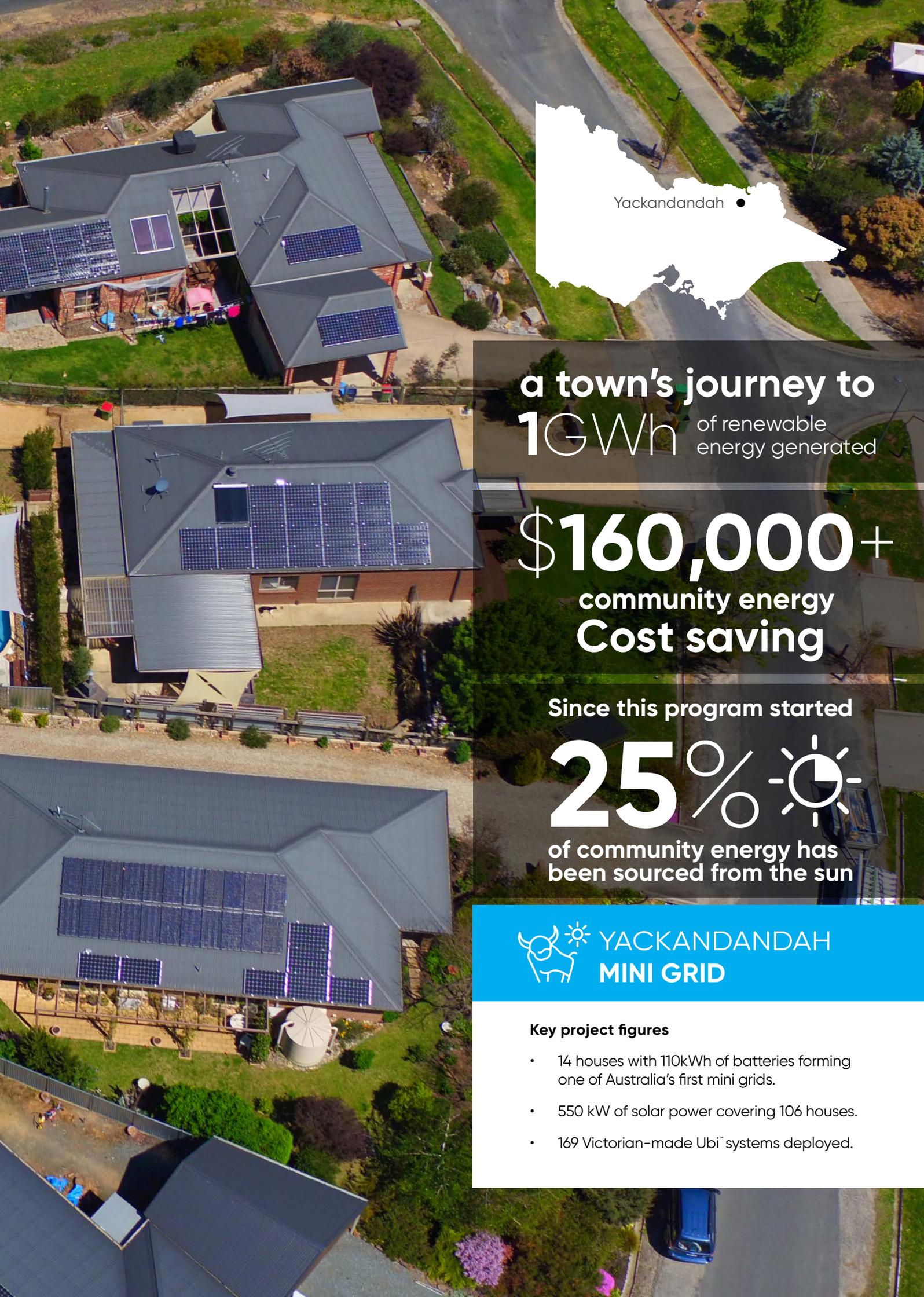
In partnership with Indigo Shire Council, TRY has secured a New Energy Jobs Fund grant of \$100,000 to support the community's energy objectives, including the appointment of a dedicated project manager to develop the volunteer model and the creation of a community energy retailer.



Yackandandah community meeting, February 2017
Picture: The Border Mail



FIND OUT MORE GO TO
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Yackandandah •

a town's journey to
1GWh of renewable
energy generated

\$160,000+
community energy
Cost saving

Since this program started

25% 

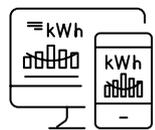
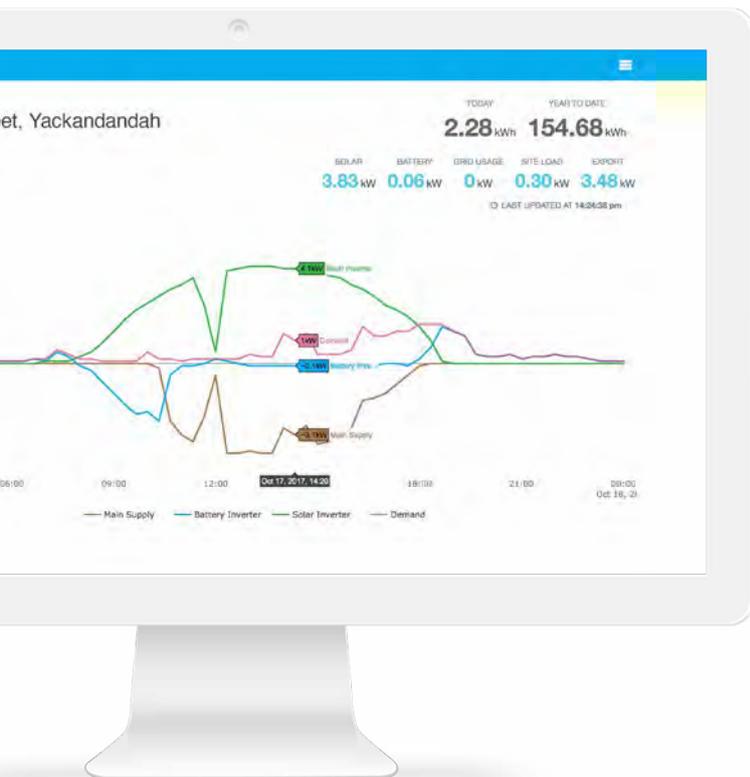
of community energy has
been sourced from the sun



**YACKANDANDAH
MINI GRID**

Key project figures

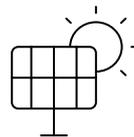
- 14 houses with 110kWh of batteries forming one of Australia's first mini grids.
- 550 kW of solar power covering 106 houses.
- 169 Victorian-made Ubi™ systems deployed.



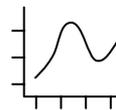
Energy dashboards



Notifications and alerts



Solar monitoring



Energy usage data

Mondo® Ubi™ The smart energy management system

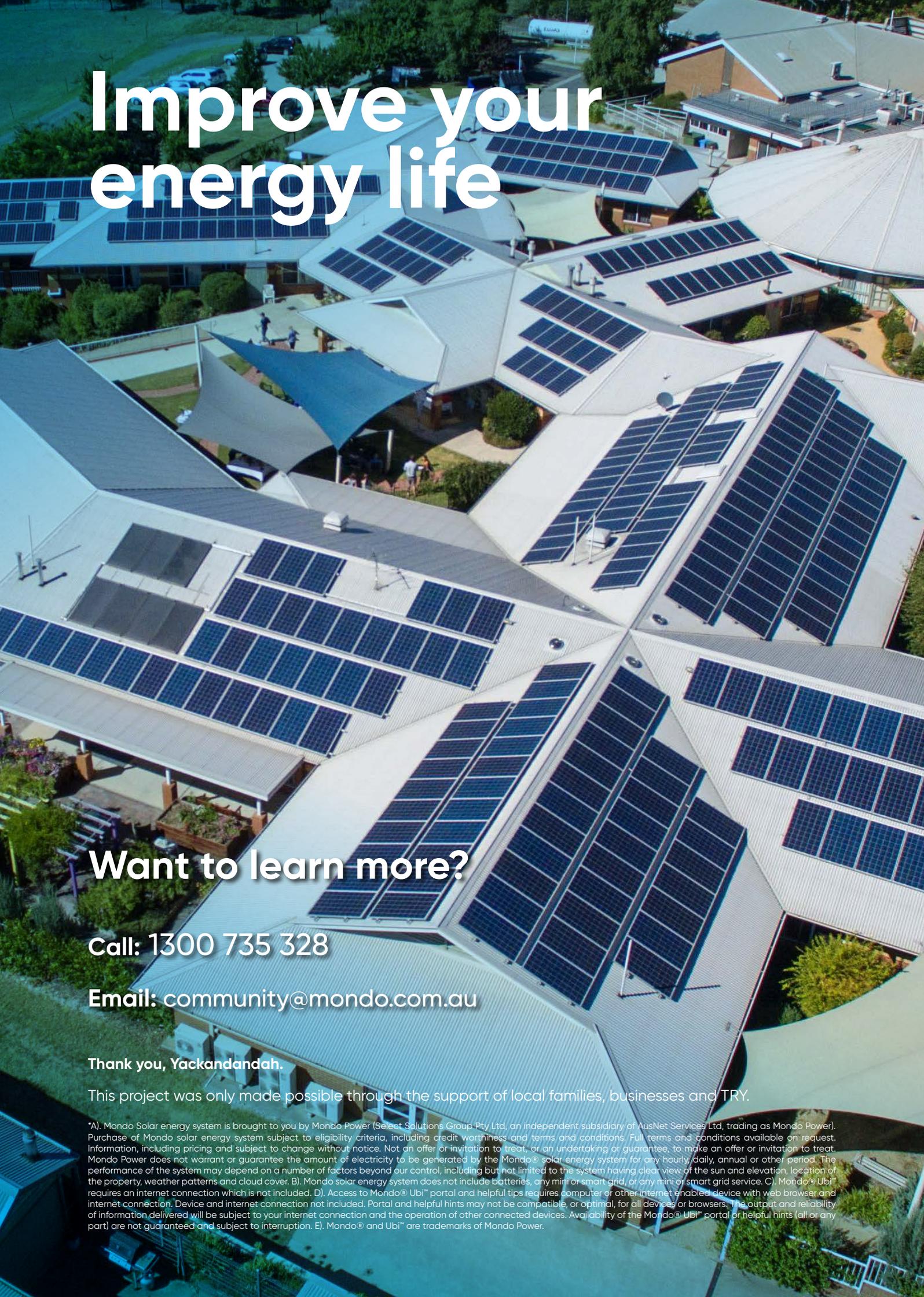
Being more aware of your energy consumption gives you the power to optimise your energy usage, operate more efficiently and save money.

Whether you are monitoring a single building or multiple locations, Mondo® Ubi™ is the smart energy monitoring and management system that delivers timely, accurate information about your energy consumption, accessible online from anywhere.

Mondo® Ubi™ provides you with helpful notifications, including high energy usage alerts and when it might be time to think about adding a battery to your system.

Mondo® Ubi™ also helps you get the most out of your on-site energy systems including solar and battery storage.

By cooperating with an energy retailer Mondo® Ubi™ even makes it possible to intelligently share energy across your organisation or even with other users of Mondo® Ubi™ – forming an energy sharing network.

An aerial photograph of a residential complex with multiple buildings. The roofs of the buildings are covered with large arrays of solar panels. The buildings are surrounded by greenery, including trees and lawns. The overall scene is bright and sunny.

Improve your energy life

Want to learn more?

Call: 1300 735 328

Email: community@mondo.com.au

Thank you, Yackandandah.

This project was only made possible through the support of local families, businesses and TRY.

*A). Mondo Solar energy system is brought to you by Mondo Power (Select Solutions Group Pty Ltd, an independent subsidiary of AusNet Services Ltd, trading as Mondo Power). Purchase of Mondo solar energy system subject to eligibility criteria, including credit worthiness and terms and conditions. Full terms and conditions available on request. Information, including pricing and subject to change without notice. Not an offer or invitation to treat, or an undertaking or guarantee, to make an offer or invitation to treat. Mondo Power does not warrant or guarantee the amount of electricity to be generated by the Mondo® solar energy system for any hourly, daily, annual or other period. The performance of the system may depend on a number of factors beyond our control, including but not limited to the system having clear view of the sun and elevation, location of the property, weather patterns and cloud cover. B). Mondo solar energy system does not include batteries, any mini or smart grid, or any mini or smart grid service. C). Mondo® Ubi™ requires an internet connection which is not included. D). Access to Mondo® Ubi™ portal and helpful tips requires computer or other internet enabled device with web browser and internet connection. Device and internet connection not included. Portal and helpful hints may not be compatible, or optimal, for all devices or browsers. The output and reliability of information delivered will be subject to your internet connection and the operation of other connected devices. Availability of the Mondo® Ubi™ portal or helpful hints (all or any part) are not guaranteed and subject to interruption. E). Mondo® and Ubi™ are trademarks of Mondo Power.



Empowering a bright future.

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