


mondo®



MONDO GRID

**Tailor-made renewable
energy microgrid solutions for
land lease communities and
retirement developments.**

mondo.com.au

An aerial photograph of a residential development, likely a land lease community. The image shows a grid of houses with light-colored roofs. Many of the roofs are equipped with solar panels, indicating a focus on renewable energy. The houses are arranged in neat rows, and there are paved roads and parking areas visible. The overall scene is a well-organized, modern housing project.

**Working with developers
and operators to design,
build, operate and maintain
your energy systems.**

The Mondo Grid

Mondo was presented a challenge from the retirement community operator sector.

Community residents want to install solar to reduce their energy bills, but doing this posed many problems for the community operator.

The case for change

⊗ Solar limits

- Large upfront investment
- Requirement for grid protection
- No solar power off peak
- Voltage rise issues

⊗ No protection

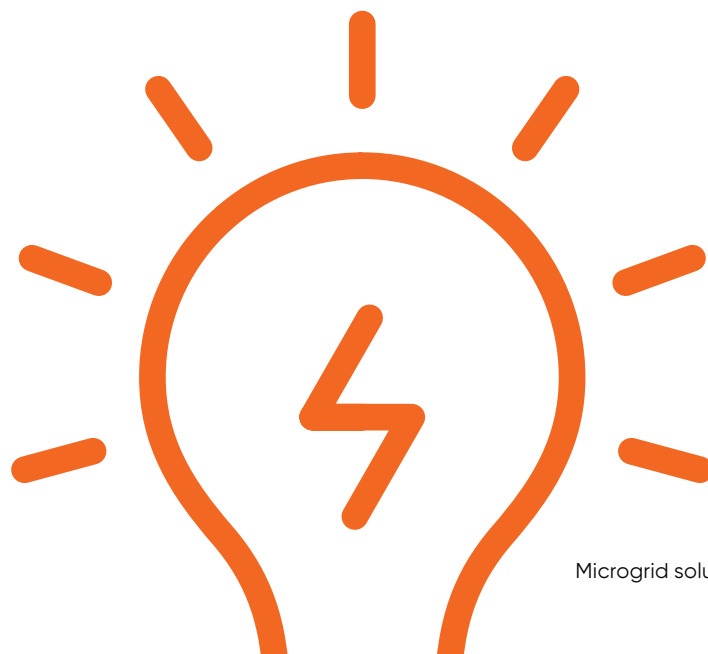
For residents on limited incomes and operators from:

- Rising electricity costs
- Grid black outs
- Unreliable delivery partners

⊗ Falling tariffs

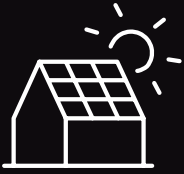
Falling tariffs for solar export

The Mondo Grid solution

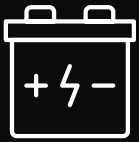


What is the Mondo Grid solution?

Our experienced team of specialist electrical and energy engineers took on the challenge and with Mondo's trademark innovation and technology, created the Mondo Grid.



The solar power is delivered to **all residential units and community buildings** by creating a **Virtual Power Plant**



Batteries are used to store the excess solar energy to enhance energy independence, unlock new revenue streams, support the energy grid when needed, and reduce high energy costs.



Electric Vehicle capability on sites



Mondo's Ubi energy management and reporting technology is used to manage and optimise energy self-consumption from Virtual Power Plant



Mondo stands alone in understanding this highly technical landscape

Benefits for operators



Corporate Social Responsibility
Communities with Mondo Grids more attractive to new residents because of the lower out of pocket power bills



No upfront investment by operator and can access Virtual Power Plant trading benefits immediately



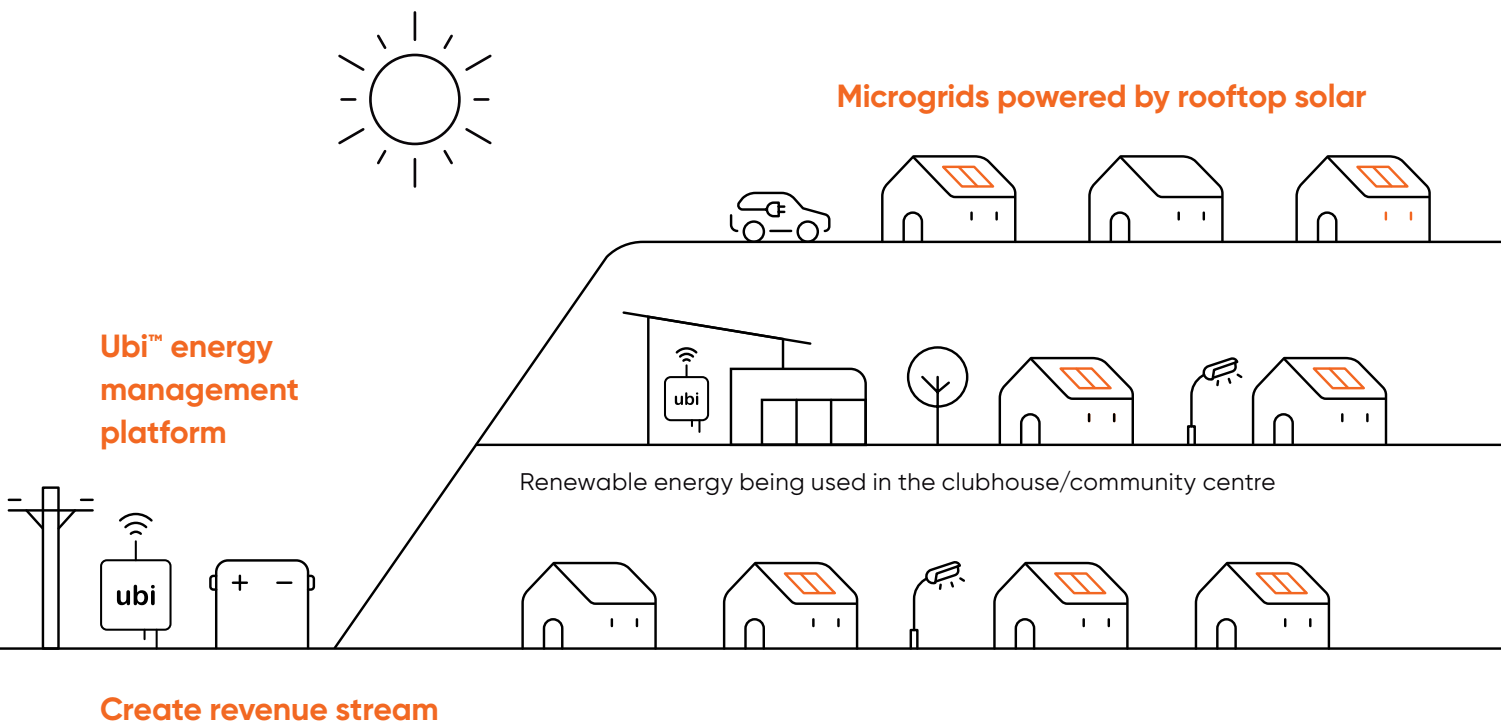
The Mondo Grid will effectively **reduce CO₂ emissions** due to the minimal use of energy from the electricity grid



Mondo works with developers and operators to design a tailored and complete, end-to-end energy solution



The Mondo Grid can reduce grid electricity use from 30% up to 90% depending on the design



Benefits for residents

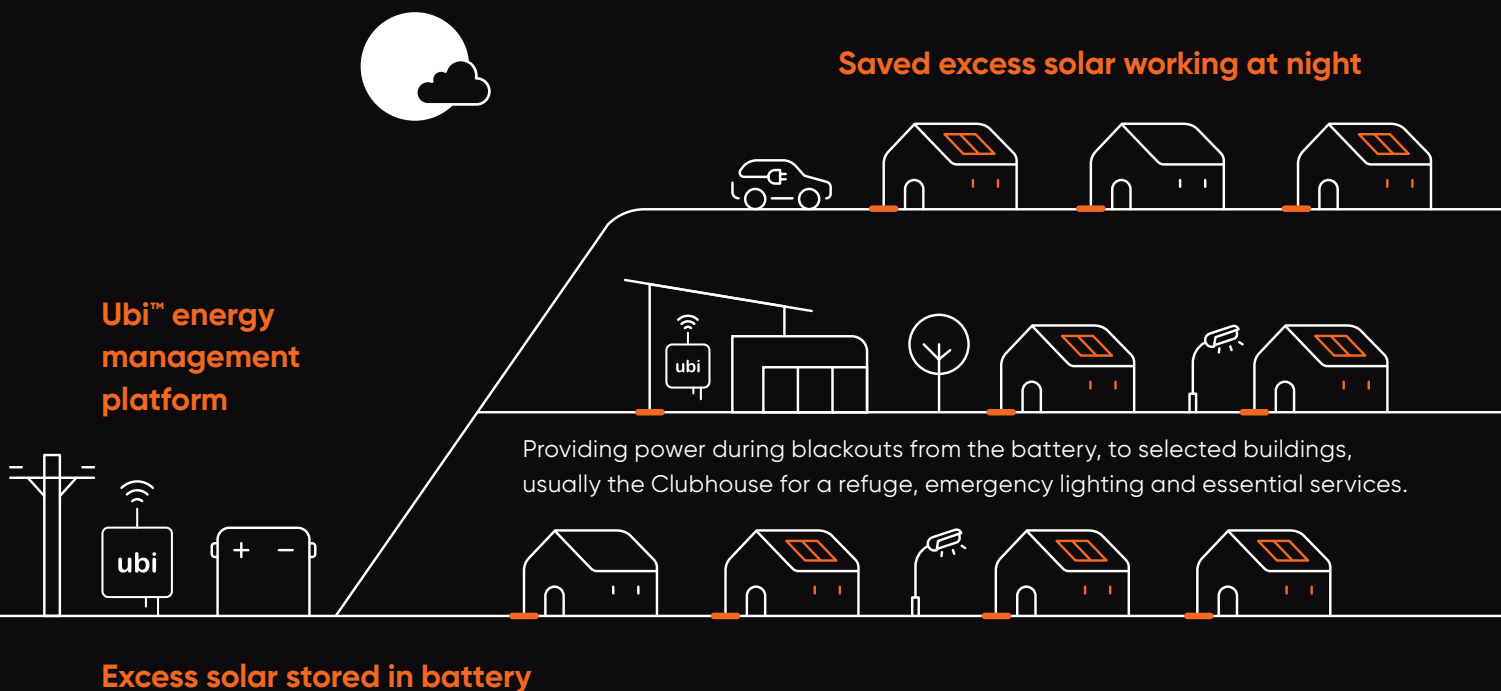
Performance peace of mind provided by 24/7 system monitoring via Ubi™ energy management platform and Mondo Control Room. This ensures that each system is performing at optimal levels at all times.



Protection from rising electricity costs and peace of mind with a fixed cost energy **today**



A solution in place to manage and minimise electrification costs **tomorrow**

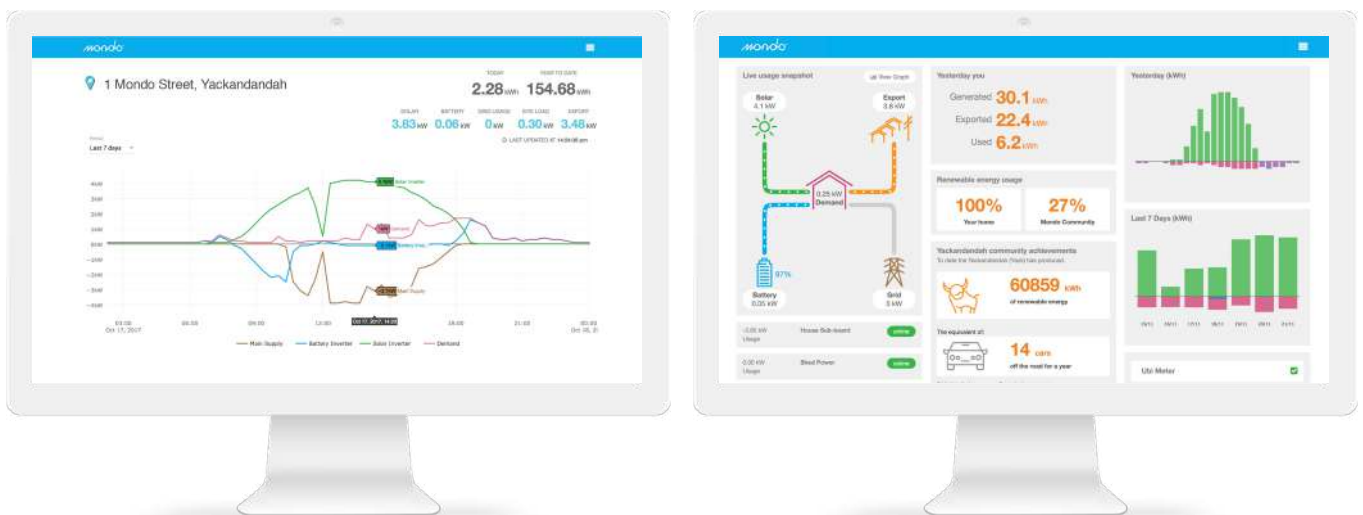


Visualise. Take control. Save.

Our end-to-end solutions are powered by Mondo's unique and savings-optimized Ubi™ Energy Management Platform.

Ubi™ is the smart energy monitoring and management system that delivers accurate and timely information.

Performance peace of mind provided by 24/7 system monitoring via Ubi™ energy management platform and Mondo Control Room. This ensures that each system is performing at optimal levels at all times.





Made in Australia

Cutting-edge technology. Locally developed software and hardware built for Australian requirements.

Visualise. Take control. Save.

Near real-time data and reporting

Monitor the performance of your equipment and receive alerts to ensure it is operating correctly whilst maximising energy efficiency and delivering cost savings.

Retail tariff arbitrage

Storing energy when energy tariff prices are low and discharging energy when the tariff is high.

Peak demand charge reduction

Via a target peak demand limit or via Original Equipment Manufacturer (OEM) dispatch controller with demonstrated optimisation.

Maximise on-site PV self-consumption

Via both export minimisation (battery charging) and import minimisation (discharge of stored energy).

Device control and orchestration

Allows you to remotely turn on and off circuits to control equipment from anywhere via the Mondo Portal.

Price alerts

Receive real time alerts and notifications when you reach demand thresholds or possible equipment issues are detected.

Spot market demand response

Earn revenue from curtailing consumption by switching energy source from grid to BESS during times of high demand.

Sustainability reporting and asset health monitoring

Track energy targets using robust reporting at site or multi-site level and monitor how much of your energy is produced from renewable sources.



**MICRO GRID
BATTERY HOUSE**

Why Mondo? We are not just about powering communities; we are about empowering them.



Reliable and innovative

Mondo is a subsidiary of AusNet, which owns and maintains Gas distribution assets, Electricity Transmission assets and Electricity distribution assets that deliver electricity to over 730,000 customers across Victoria.

As of February 2022, AusNet is controlled by majority shareholder Brookfield Asset Management, one of the world's largest alternative investment management companies.



Talented and experienced

Mondo has built a tailor-made specialist team to create innovative solutions for some of the largest and most complex projects in the renewable energy sector today.

Our talent pool combines the expertise of industry leaders in Energy and Electrical Engineering, Renewable Energy Asset Optimization, Energy Market Trading Analysis, IT Hardware, Software and Artificial Intelligence.



Partners for the long term

Having an industry presence within the Victorian electrical network since before market start, our company has over 100 years of experience and know-how in the management and maintenance of electrical transmission and distribution assets.



CASE STUDY

Australia's first microgrid of its kind. Lifestyle Community Meridian – MondoGrid

Lifestyle Meridian, a land lease community in Clyde North, Victoria, has partnered with Mondo to unite homes generating clean, low-cost energy driven by renewables lowering energy bill for all homeowners.

The microgrid promotes energy sharing, transforming Lifestyle Meridian into its own power plant minimising the impact on the environment and reducing homeowners' energy bills.

This empowers the community – energy produced by the residents from their own home solar, benefiting the entire Lifestyle Meridian community.



450kW of solar panels serving 276 homes in Meridian community.



300kWh battery



Up to 30% savings on electricity bills for Meridian homeowners



Annual reduction of 600 tonnes in emissions, monitored by Mondo's Ubi portal for real-time insights.

CASE STUDY

Project EDGE – Community energy sharing

Mondo’s Project EDGE trial demonstrated the full potential of solar and energy storage assets across home and businesses in Victoria’s Hume region. The advanced aggregation technology, through AEMO’s (Australian Energy Market Operator) fund trial, allowed customers to locally reduce their energy costs by joining a Virtual Power Plant through Mondo’s Ubi energy management platform.



CASE STUDY

Deakin University – smart microgrid energy system

Mondo was commissioned to design, supply, test and install the \$25M industrial scale smart microgrid energy system and integrated research and education platform.



Designed and built in partnership with AusNet Services and Mondo Power



0.25-megawatt distributed rooftop solar generation and storage system



Microgrid comprises a 7mW solar energy farm



2MWh central battery storage system on 14.5 hectares

CASE STUDY

Phillip Island community energy storage system (PICESS)

Mondo's latest large scale community battery asset was commissioned in mid 2023. The \$10 million PICESS battery is the island's first-of-its-kind energy distribution battery and is adding additional network support to the popular Victorian holiday destinations during peak energy times. Mondo's technical team own, operate, monitor and maintain the battery for all island visitors to enjoy uninterrupted energy.



CASE STUDY

Community microgrid and sustainable energy program (CMSEP)

Mondo's delivery of the Victorian Government's latest community project across various regional Victoria locations after the devastating 2019/2020 summer bushfires has provided greater energy resilience to those who need it. Households and targeted community buildings were a part of this initiative installing a range of renewable energy assets – solar, batteries and generators to create microgrid benefits through Mondo's Ubi energy management platform technologies and capabilities.



Mondo Grid

Contact our team today for a comprehensive overview of our combined offer, tailored specifically to meet the needs of modern community developers.

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