

# Your Mondo 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

## MAKING IT ALL POSSIBLE: Mondo Ubi™ — The brains for your energy use, capture, storage and sharing.

Mondo 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 them to establish a mini grid.

## 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 of locally generated clean energy.

- 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 for the mini grid to remain self-sufficient and avoid outages.
- Surplus energy can be shared amongst participants in the mini grid, sold back the grid or even donated to a school, charity or other community organisation

## HOW IT WORKS

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 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.
5. A Community Energy Retailer facilitates electricity trading within the mini grid.

## Mondo® Portal

### More awareness of your energy consumption is the first step to optimising your energy usage and reducing your power bills.

The Mondo portal includes a snapshot of live and historical data about your energy use, captured solar power and the energy reserves in your battery. This innovative cloud-based system gives you the power to turn appliances on or off with the click of a mouse or a swipe of your finger. The portal even provides simple charts and comparisons to help you understand your behaviour and impact. This includes a daily energy use comparison chart and the equivalent amount of emissions your solar system has reduced.

Ubi™ sends helpful hints and notifications to your phone.

Even if you don't have the time to log in to the portal your Ubi™ gives helpful hints and notifications via text message, including, for example, identifying the best times to clean your solar panels and to consider when to buy a battery or other devices or appliances to improve the energy efficiency of your home.