

Creating passive energy savings with Powermesh

Residential
NSW

powermesh[®]

PUMA 



Powermesh Fan controller automatically slows fan speed down when the ambient room temperature drops below 22 degrees.



Powermesh Two-gang Multi Purpose switch can be controlled by phone as well as voice control.

powermesh[®]

TRADER[®]
100 Years of Gerard Electrical Tradition



Johann Fleury from Thirroul Electrical Services recommended Powermesh to track and monitor power usage.

Project:

Passive House (Energy efficient house) Wollongong

Client:

Stephen Cuthbert

stephen@schvac.com.au

Electrical Contractor:

Thirroul Electrical Services

info@thirroulelectrical.com

Trader Electrical Products used:

Powermesh Connected Home Products

Puma USB, Sockets & Switches, Hippo Weatherproof

To find out more about this build:

www.facebook.com/passivhausaus

To find out more about Powermesh:

www.gsme.com.au/zimi-life

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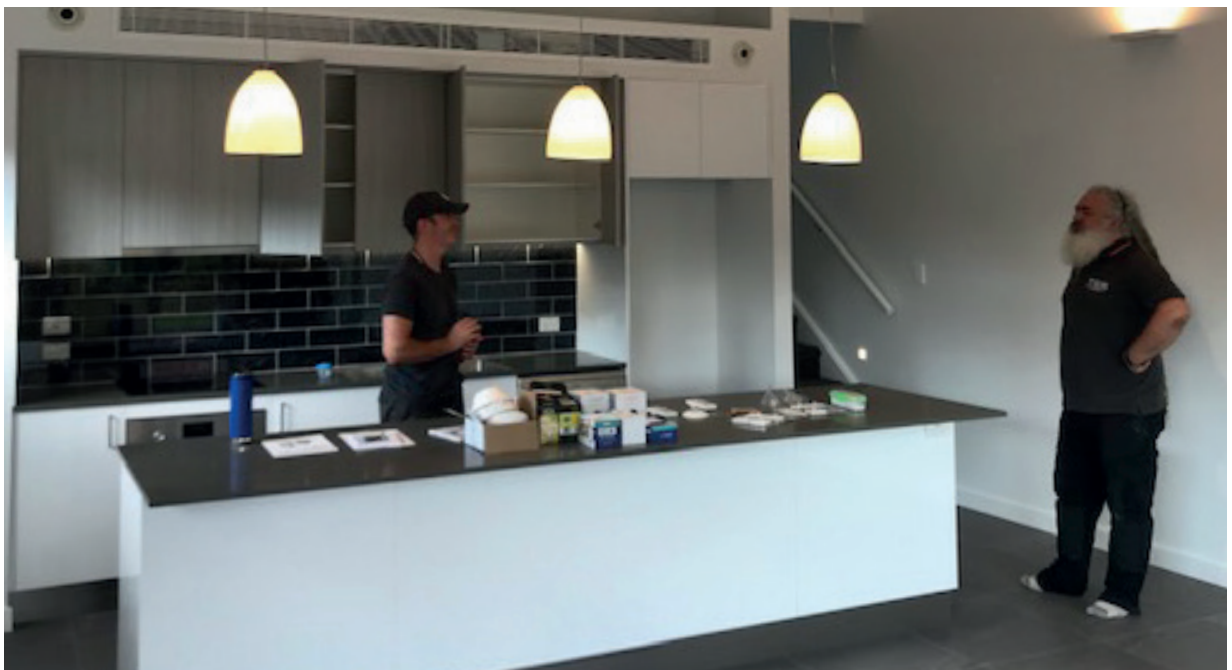
Take a European building design concept based on sustainable living, complement it with Powermesh connected home technology and you have a home capable of delivering real energy gains and ongoing efficiencies.

Passive House design first originated in Germany over thirty years ago. The belief is that careful consideration of materials, design, insulation, ventilation will create considerable and long term energy efficiency gains.

The concept has now reached Australia and is attracting those who are serious about maximising sustainability and energy efficiencies.

Equally, Australia's desire for connected home solutions has also grown. Products such as Powermesh and it's ability to create schedules and energy monitoring functions are the perfect fit for the sustainable home offer.

Trader GSM, the name behind the distribution of Powermesh technology was specified for this Passive House build in Balgownie, Wollongong, New South Wales. House owner and mechanical engineer, Stephen Cuthbert, talked with us about the build and why he chose Powermesh.



Live energy monitoring at your fingertips

Powermesh was recommended to Stephen by his electrical contractor, Johann Fleury from Thirroul Electrical Services.

Johann, a great Trader supporter, suggested installing Powermesh to monitor and track power usage on the big-ticket energy consumers, such as the mechanical ventilation systems and fridges.

There are 28 Powermesh smart home devices installed and connected across the two homes, including double power points, multi-purpose switches, and fan controllers. Other products from the Trader range include Puma double power points, integrated USB power points, and Hippo outdoor weatherproof power points.

The ability to monitor 24-hour live energy usage and receive daily dollar totals through the Zimi App made Powermesh the perfect fit for this live research project. The Zimi App provides occupants with energy consumption data to monitor the houses to ensure all systems are working efficiently. An important tool to capture and measure the project metrics.



The \$5 per day energy bill

Stephen is hopeful that the Passive House concept will become more mainstream in Australia as consumer awareness increases. The initial investment is approximately 10-15% on a Passive House build, but money spent upfront releases the ongoing cost of high energy consumption.

Stephen is happy the project is complete and is not surprised by the positive feedback he is receiving. His tenants have told him that it costs them approximately \$5 a day in electricity including hot water and heating during winter.

The ability to measure your ongoing running costs is probably the greatest asset that Powermesh brings. Knowing your energy costs is the first step in creating long term savings and benefits.

Puma USB, Sockets & Switches



Hippo Weatherproof Sockets & Switches



Powermesh Connected Home Products





Partner with Trader on your next build

If you would like more information on Powermesh products
or to discuss how Trader can partner with you on your next project, please contact us.

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