

MODERN GREEN HOMES Sanctuary

INSIDE ISSUE 38 20+ kitchen & bathroom designs; natural pools; all-electric solar homes; green roof guide; renovated Sydney semi; efficient appliances; design workshop Blue Mountains + more

SPECIAL

GREENER KITCHENS & BATHROOMS

WIN

A home battery storage system from Enphase

Offer open to Australian and New Zealand residents, details p87



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PLUS

Optimise your solar system
Ways to avoid eco-design pitfalls
Cairns home adapted to the tropics

SUSTAINABLE STRATA

Owner actions transform
7 apartment buildings



Greener kitchens & bathrooms

In this *Sanctuary* special, we feature over 20 inspiring kitchens and bathrooms that use beautiful, sustainable materials and showcase new ways to conserve energy and water.





Shades of green

DESIGN:

David Saunders,
S2 design

PROJECT TYPE:

Renovation

LOCATION:

St Kilda, Victoria

PHOTOGRAPHER:

Melanie Faith Dove

THE WATER, ENERGY, MATERIALS AND LANDSCAPING

concepts used in this extensive restoration and addition to a heritage dwelling in St Kilda demonstrate a new approach to sustainable inner city living. Many common architectural elements are intentionally missing, including secondary finishes (such as paint) which have been minimised or eliminated completely by leaving durable construction materials in their natural 'as built' state. You won't find white porcelain, plasterboard or chrome either; instead, toilets, basins and tapware are stainless steel.

Home to sustainable architect David Saunders and his family, the house is thermally efficient and all materials are either salvaged from the original house, recycled, plantation-grown, zero-VOC or naturally occurring. Their home is largely self-reliant with 43,400 litres of rainwater stored in 4 tanks, and energy use is minimal due to the incorporation of solar PV, energy efficient appliances and lighting and sensible lifestyle practices. They also grow fruit and vegetables in the courtyards and 'roof farm'. Very little waste leaves the site due to careful recycling and extensive composting; grey water is diverted for reuse on gardens.

Images: (top left) Kitchen joinery is green-stained plantation plywood; (bottom left) the bathroom walls feature locally produced recycled plastic, a green wall planter and old-school cast iron bath; (top) David Saunders enjoys a cuppa in his naturally lit kitchen. Glazing is a combination of custom-fabricated, steel-framed double-glazed doors and windows and double-glazed, double-hung, sashless windows from Dayview Windows.

SUSTAINABLE FEATURES

APPLIANCES

- KWC Eve kitchen tap; Zip Sparkling Hydrotap
- Miele and Qasair kitchen appliances
- Liebherr refrigerator and freezer
- Stainless steel toilets from Britex, cisterns from GWA Bathrooms & Kitchens
- Linkware 'Elle' stainless steel bathroom fittings and fixtures
- Fantech bathroom / air-transfer fans.

MATERIALS

- Internal walls, ceilings and joinery are plantation plywood with Intergrain clear satin finish or recycled lining boards
- Benchtops stainless steel, granite and repurposed marble
- Shower walls, splashbacks and some external wall cladding made from locally produced Replas recycled plastic
- Elmic Versiwall 'green wall' planters
- Vintage, fully restored cast iron bath.

LIGHTING

- LED and compact fluorescent lamps
- Velux skylights plus windows, glass walls and glass floors allow natural light to flood the entire house. Additional daylighting via internal garden and courtyards.

OTHER FEATURES

- No air-conditioning required, natural cooling systems include cool humidified air naturally drawn up through the house via two internal 'rainforests' and air transfer system which draws cool air to the top level from the basement
- Solar PV and Apricus solar hot water system.