



greenbuild.com.au

tropical eco-building & living



GreenBuild.com.au is a tropical eco-building & living resource & co-operative online marketing platform for the suppliers of sustainable building technology, products & construction services in North Queensland. Our recent 2012 Premier's Sustainability Award is shared with the North Queensland businesses that we promote.

GreenBuild supports the Tropical Green Building Network (TGBN). We develop & support sustainable tropical building design, construction, planning, new technology, products & services & encourage collaboration between individuals and organisations in the industry.

Find out what's happening in sustainable living near you

Sunday 9th September

Visit the website for House Locations & Details

sustainablehouseday.com

Here are some houses to visit near you...



Myola nr Kuranda:
Master Builders Excellence in Sustainable Living Award winner

Maxa Constructions presents a new home that uses 100-year-old timbers salvaged from the demolition of the original Walsh River bridge. The bridge pylons are verandah posts and other timbers laminated and joined using new 'aged' iron to create roof beams, trusses and fascias. The 10 star energy efficient home's position on the land maximises airflow and cross-ventilation. The placement of louvres throughout, along with an open plan living space captures cool breezes. Innovation by design includes a retractable clothes drying rack in the laundry, along with modern use of glass and polished concrete flooring throughout making this home an eclectic balance of history and modern day sustainable living.

Malanda:
Owner Builder builds on a budget



This relatively simple home is steel framed, part slab on ground with a timber verandah. It has a skillion roof system with clerestory windows and other windows of all designs. The land faces North and there is great natural ventilation and light. Wall and roof insulation works brilliantly all year round. Temperature statistics are available for Sustainability House Day. The energy bill is less than \$150 a quarter. The kitchen is recycled, most of the tile work is mosaic and some of the doors and windows are recycled timber. Nearly all the trees on the 2.5ha are native and planted strategically for protection, views and natural hazards. There is a small vege patch, some fruit trees, free range chooks, a worm farm and compost bin.



Redlynch Valley:
Affordable, tropical, contemporary and brand new for Sustainable House Day

Kenick Constructions is pleased to present their newest design. Built for around \$250,000, this very affordable price includes many clever design features and products that are sourced from our leading edge local businesses. The house is 9.5 star energy efficiency rated and has NO ENERGY BILLS. The design maximises natural cooling breezes and minimises summer sun with energy saving appliances and LED lighting. This home is future proof also including thoughtful features for changing lifestyle needs. There are less chemicals and toxins in materials and recycled materials reducing waste. There is wonderful use of all space inside and out with veggie and native plant gardens, the new 'gro-wall' and water saving devices.



Bungalow Cairns:
Aquaponics in action

Wendy and Len have a strong interest in sustainable food production and after seeing an episode of Gardening Australia where an aquaponics system was featured, decided to construct their own. They form a great partnership with Len contributing the practical know-how in the construction of the fish tanks and growing beds, and Wendy tending to the plants. They now have a ready supply of barramundi, jade perch, guppies and gold fish as well as the freshest vegetables in their suburban backyard.



Wondecla nr Herberton:
Owner builder 'stands alone' in comfort

Built mostly of recycled timber and timber milled by the owner builder the material choices also consider fire and termite resistance. Wide eaves, high ceilings and good cross flow ventilation means no mechanical cooling and a wood heater is used in the short cold season. Electricity is supplied by a 1.3 kw stand-alone PV system which was sourced mostly second-hand. This supports a 12v fridge; 240v 160L upright freezer, laptop, TV, sound equipment, washing machine etc with the aid of a 1500w inverter. Lighting is 12v with mostly LED globes. Water is collected and fed into 3 water tanks of 7300 gallons, 2 of these tanks are directly plumbed into the house. Grey water is caught in a small concrete tank and pumped out and used for irrigation of the native vegetation. The WC is a Naturloo composting unit.

Thank you to our local sponsors and champions of sustainable building in Far North Queensland.

National Partners of Sustainable House Day 2012