

SUSTAINABLE BUILDING RESOURCES

LINKING TOMORROWS NEEDS WITH TRADITIONAL CRAFTSMANSHIP

ABOUT US

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What makes our products different to traditional Australian/New Zealand products?

Quality of materials:

Due to much higher building standards and ready availability of quality timbers and other materials we can choose from the best for a reasonable price.

Sustainability of materials:

All forests in Germany have been managed & sustainably harvested for centuries. Due to increased velocities of storms a lot of windbreak has occurred and Germany has a big surplus of timber for many years. Timber prices are a fraction of Australian prices for much higher quality & grade slow grown timber. Unfortunately at the moment a lot high grade timber goes to waste in Germany because there is not enough demand while in Australia the quality and availability of timber diminishes and the price for an inferior product constantly rises.

Sustainability of processes:

Sustainability has a much higher rating in Germany than in Australia. Public demand, economical foresight and government incentives have enabled our partner companies to develop sustainable, ecological practices and responsibility to humankind and nature. Chosen products and manufacturing procedures are developed with an uncompromising commitment to environmental preservation.

Building Biology & health risks in our products:

All our products and components are certified by the relevant Building Biology authority and/or carry the natureplus® seal of quality. Natureplus®, an international quality designation for environmentally-friendly home and construction products, indicates products that have been tested for potential health hazards, environmental impact and function!

Quality of workmanship:

Our overseas partners have been chosen for the following reasons:

- ◆ They are all leaders in their field world wide;
- ◆ they have long experience and excellent track record in what they do;
- ◆ they are big enough to deal with big projects but small enough to care and customise any project;
- ◆ They care and want their product to be the best & most sustainable product possible today.

Quality of product:

We are proud to be able to supply exceptional quality products only. Our walls & roofs reach a minimum insulation value of R5+ compared to R 2 /R3.5 for standard new wall /roof requirements in the Adelaide Hills. The standard double glazing we use in our windows is toughened and has an U-rating of 1.1 which is better than any available double glazing in Australia. Our windows featuring thick wooden frames, double rubber seals and multy cam metal to metal locking using world best hardware to function and last the lifetime of any building.

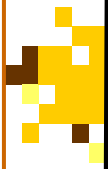
We are excited that we can offer this to the Australian and New Zealand market.

Our philosophy:

There are much cheaper companies in this market available and, as to be expected, China has entered as well. We did with purpose not go down this path despite the promise of much higher profits possible. With going to the source in Germany we want to keep our integrity and credibility as a truly sustainable supplier. This might be an expensive move but **we want to include the real costs up front which in conventional building methods are passed on to the general public, the next generation and the environment.**

Thank you for your time

Bernward Bücheler and the team of Sustainable Building Resources Pty Ltd



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SUSTAINABILITY , AUSTRALIAN MADE & OVERSEAS IMPORTS

There is a strong argument for using local materials & labour whenever possible, however:

We think everybody should have the choice to:

- ⇒ use the best in sustainable & economical materials & building components from all over the world or:
- ⇒ to use local product that may be of lower standard, more expensive and/or produced in an unsustainable and polluting manner.

We believe:

- ⇒ only with initially importing the best we will create a demand which in time will allow the establishment of viable local manufacturing on a world best sustainable level.

We do not think that every country has to invent the wheel again and develop slowly through the same historic industrial stages as others before, but should always try to use worlds best practice as it becomes available. This opens the possibility to reduce greenhouse gas emissions on a much bigger scale.

In smaller countries like Australia & New Zealand it may never be viable to establish all facets of sustainable manufacturing. This should be no reason to be stuck in the past and continue with unsustainable practices. Here again imports have their place as shipping of Hi Tec sustainable manufactured goods still has a positive balance on the sustainability scales compared to less efficient local products/practices with often imported materials & components anyway. (A shipment from Europe to Australia still produces lower greenhouse emissions than the same trucked from Sydney or Melbourne to Perth.)

In Australia most building products like steel, hardware, board materials are produced overseas or produced by overseas owned companies.

On site labour often is all that's left of "Australian Made".



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Frequently asked questions:

Is any design possible?

All structures can be individually designed for your purpose and within your aesthetic criteria.

Do you work with outside architects?

We are very happy to work with any cooperative architect or designer to develop a building coherent with existing stock as well as tailored to your needs in the most economic manner.

Are the structures approved in Australia?

All structures will be approved by Australian authorities before they are built and then are signed off by a registered building supervisor at the end.

Have you the expertise to assemble these components?

We have specialized experienced technicians from Germany on site managing the assembly process supported by local carpenters.

How long does the building process take?

We can finish a building to lockup stage in 4 to 6 month from receiving final plans depending on size and complexity as well as percentage of local components.

Is there a choice of how much of the building is imported?

Yes, we can supply the structure only, partly clad and insulated up to finished to lockup stage.

What happens if the components get damaged or lost in transit?

All parts are fully insured right up to the building site. Replacements are available at short notice.

How do these buildings behave in fire?

Due to big timber sizes used our constructions will by nature cope better with fire threats than normal timber frame buildings.

What will the standard of the building be

You can expect buildings of much higher quality compared to standards in buildings in Australia today.

What insulation will the buildings have?

We use high R rated "phase change" organic insulation if funds allow.

How will the building perform in summer?

The well ventilated & sound proof building has breathable walls with natural insulation materials and will produce an excellent indoor climate all year round with little or no need (depending on design) for air conditioning.

What Windows will you use?

We prefer high quality double glazed windows and doors built to last the lifetime of the building adding to insulation properties and fire safety.

Are you aware of harmful and allergenic materials and harmful EMR (electro magnetic radiation) often present in buildings?

Yes, as experienced building biologists we are well aware of harmful substances & radiation. No toxic glues or other harmful materials are used throughout and EMR will be considered.

We hope these points did answer most of your questions.

Feel free to contact us any time for more information

Bernward Bücheler and the team of SBR