REFABRICATION HAS become years due to the ability of engineers and architects to better manage building programs through in-factory quality international demand. control.

The advent of self-supporting Cross company was Laminated Timber (CLT) panelisation established such as that used in Melbourne's Forte building, the manufacture of self- May Janssen contained pods that were craned into in early 2001. position in Auckland University's Drawing on University Hall and the panelised advice from construction method based on pre- her husband, clad frames and trusses used for the Robert who is the Beijing Green Building Show, all maintain high quality results.

T h e in Bali by

Prefabrication has become a very important part of the construction industry

in engineering gas-handling shipping demonstrate the advantages of using terminals for an international engineering technology to reduce time on site and firm based in the Netherlands, the

Bali Prefab Wooden Houses is market Bali styled houses. A typical Bali structure in Bali before then dismantling it construction industry in recent technology in the form of Computer roof and an open roof structure with Aided Design to streamline what is very or without cupola. There are generally much a handcrafted product to supply no ceilings except in bedrooms and sometimes in bathrooms. Kitchens are

> separated from living areas and definitely not living area. These design elements work well in tropical areas

company was set up to manufacture and pre-fabrication is to completely build the winds,

a very important part of the a company that is incorporating style house is recognized by its Dickey and packing it in a container for shipping. The build system uses no nails and all components are numbered and colourcoded to simplify re-erection using the supplied drawings and photographs taken of the structure during its original construction.

> After a slow start where the first structures sold were a couple of gazebos part of an open to a customer in the Cayman Islands. the company now exports to a number of tropical destinations including the Caribbean, Pacific and Hawaii apart from supplying the Indonesian market.

Working with local agents in countries Sino-Canada Wood Eco Home that a qualified civil, structural, geotechnical as the high pitched open roof guarantees outside Indonesia, the housing designs was constructed on-site in 60 hours for and coastal engineer with a long history natural air flow and thus cooling. The have been adapted to meet local addition of a cupola helps increase the air standards and by-laws so they conform to requirements such as insulation and The approach the company takes to the ability to withstand hurricane force Australia to ensure local engineering verification of their designs meeting local building regulations and that local constructors can be trained in building these

The company has already done considerable work to ensure their product meets AQIS standards and only use wood sourced under Indonesia's V-Legal certification scheme. As such, they are aware of Australia's requirements regarding importing wood/plant-based products and are actively looking to keep ahead of the game when it comes to clearing hurdles.

Using traditional carved details, the company's houses present a look that many Australians are familiar with given the vast numbers of tourists who have travelled to the island over the years.

With craftsmanship that ensures the houses don't look mass-produced and a list of styles and materials that runs to some 35,000+ options, it is likely that each house that is sold in a location will be unique.

Which just goes to show that, no matter what prefabrication method is used, it is the ability to provide high level design with high quality control that will be most attractive to the end user rather than just the mass production of a single design that can be efficiently and economically pre-fabricated.