

Capability Statement

2022

SIPS Industries is a wholly Australian owned company manufacturing in Western Australia

Delcorp Australia P/L manufactures a renowned structurally insulated panel system (SIPS). This product is engineered, light weight, exceptionally strong, time tested and being used throughout the world. The Bibra lake factory produces and supplies the residential and light weight commercial building industry throughout Australia.

SIPS Industries originated in the UK in 2000, expanded into Australia in 2009, and then Africa in 2010. SIPS product manufacturing technology including research and development is consolidated under the SIPS Industries International brand, with manufacturing plants in the UK, Africa and Australia.

SIPs is one of the fastest growing building products in the world.

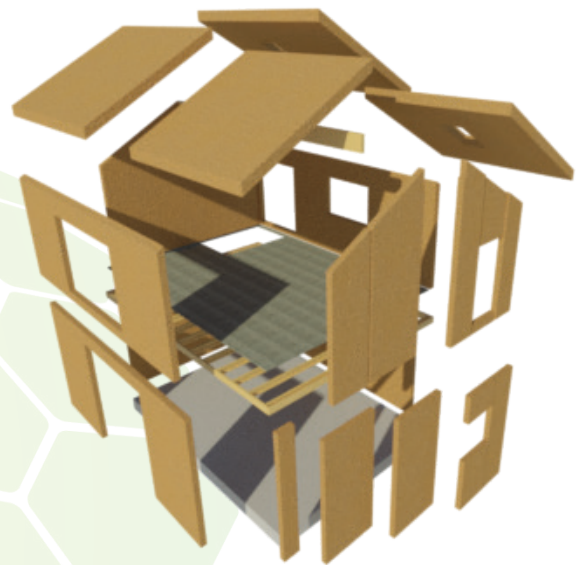
Global Position

The technology of SIPs has been around for over 50 years and is used extensively in the USA and Europe. SIPs panels are used today in 7% of new homes built in the USA and 4% of new homes built in Europe.

During the downturn in the world economy in 2008, the SIPs market has maintained a growth rate of 10 to 20 percent per annum across the US and 5 to 10 percent in Canada.

This was primarily due to the requirement to meet energy targets and the willingness of those building industries to embrace new building technologies.

SIPs were initially tested and used in colder regions but have also demonstrated massive benefits in warmer climates. SIPs are accepted as a mainstream building solution and are used throughout the world. SIPs high performance features exceed building code requirements in all climatic environments.



This company is not just in the business of manufacturing a structural insulated panel, rather it provides its customers energy efficient, sustainable building solutions with a focus on delivering optimum quality, simplistic construction methods, fast build times, introducing cost savings.



South Perth New Home

Design and Construct by SIPS Industries and Chalk Build

- Winner Spec home of the year 2018, West Aust GreenSmart Awards
- Winner Spec Home of the year 2018, Australian GreenSmart Awards
- High energy efficient new home



South Perth Renovation

Design and Construct by SIPS Industries and Chalk Build

- Winner Renovation of the year 2018, West Aust
- Finalist Renovation of the year West Aust GreenSmart Awards
- Finalist Australian renovation of the year 2018 Australian GreenSmart awards
- Winner West Aust renovation of the year 2018 GreenSmart awards
- High energy efficient home improvement



Fitz Stirling Field Station

Designed H + H Architects and constructed by KBuild Construction

- Remote location
- High energy efficient research station

Overview and Product

The SIPS Product

SIPS are lightweight, engineered, load-bearing building panels produced for use as walls, roofs, ceilings and floors in residential and commercial buildings. The main benefits of SIPS are fast erection, factory-enabled precision, high energy and environmental performance, with minimal labour requirement on-site.

The panel is made from two external sheets of Orientated Strand Board (OSB) laminated to a core of Expanded Polystyrene (EPS). The panel is engineered and can be used in multi storey constructions. SIPS are Code marked and have full Building Code of Australia (BCA) approval.

Products

SIPS Industries manufactures three products:

- **SIPS by Design** – a bespoke service where SIP's are manufactured specifically for the plans provided
- **SIPS ReadyCut** – pre-cut, 'off-the-shelf' building system for home and commercial builders
- **SIPS Blank Panels** – Standard panels to shape and build what you want

Value Proposition

The advantages listed below apply to **SIPS by Design**, **SIPS ReadyCut** and **SIPS Standard** panels.

Simplicity

- Panels pre-engineered to Australian construction standard requirements
- Panels pre-cut to fit doors and windows
- Easy to man handle, lightweight

Versatility

- Wall panels are strong, self supporting and will sustain multi level floor and roof loads
- SIPS cater for many styles of roof design for architectural flair
- Variety of set sizes allows unlimited design flexibility
- Roof panels can be fashioned into high insulated raking and skillion roof designs, built extremely quickly
- Floor panels ensure a raised building is fully insulated and installed faster than any other floor system

Speed

- Faster construction on site with pre-cut panels
- Faster delivery as panels are held in stock
- Easier delivery to site as panels are flat packed

Savings

- A more streamlined, efficient building system requiring less labour and site hours
- Reduced wastage with pre-cut panels
- Reduced range of trades, cost of supervision and site cleaning
- Less hidden costs including scaffold, plant and equipment hire
- Minimised engineering costs with pre-engineered components
- Faster build time reduces exposure to theft and weather
- Factory quality control before panels are dispatched eliminates costly on-site errors
- SIPS strength and technology means no building movement and cracking
- Walls and roof are straight from the start with precision cut panels
- More usable floor space for same external dimensions as building with traditional materials
- Airtight and highly insulated buildings typically reduce energy consumption

Product Benefits

Superior Product

- Residentially, commercially, industrial, modular and remote
- Termite resistant
- Cyclone and seismic resistant
- Air tight
- Sustainably sourced timber
- Environmentally friendly
- Long term benefits
- Fully BCA compliant
- System that's scientifically proven

Design Advantages

- Panels are available in multiple thicknesses
- Save space, increased R- rating, flexibility with window and door reveals
- Many size variations from 2440mm through to 6005mm
- Leader in reducing thermal bridging, allowing continuous insulation in voids and multi storey construction
- Floor panels are suitable for "off ground" buildings, spanning over floor bearers, forming a rapidly built thermal and sound insulated floor structure
- Roof panels allow for high raking ceilings and skillion designs with little or no structural additions
- "By design" allows the flexibility to achieve a creative outcome
- ReadyCut panels maximise economics

Construction savings

- Pre designed projects minimise waste and are easy to estimate
- Panel system is fully designed, millimetre perfect and extremely quick to install
- No need to site measure cabinetry and window systems
- Panels are installed straight are flat, level and true making follow on trades work easier

- All fixings supplied for the installation
- Construction timeframes are improved infinitely
- Easy to build
- Exceptional durability with a long life and low maintenance
- Installation teams available

Living benefits

- Comfortable due to consistent ambient internal temperature all year round
- SIPS reduce high levels of airborne noise
- It is proven that Human health is closely related to living conditions, indoor temperatures should be between 17 – 25 degrees centigrade, SIPS exceed material specifications to champion this outcome
- Living costs are reduced by way of a reduction in energy costs, SIPS structures use far less energy than traditional construction materials
- SIPS protect the future, because by nature they use less energy to manufacture, reduce energy consumption in the home and office and assist in maximising renewable energy sources.
- Building design and orientation will affect thermal performance of any building, a SIPS structure stands to exceed the performance of traditional building materials.

SIPS industry services

- SIPS Industries professionals are highly trained and fully committed to providing our clients with only the best built form outcome.
- Information seminars and training on product and installation techniques
- Full design and construct package available for New Homes and Home improvements
- Supply direct to Owner Builders
- Onsite training for builders, carpenters, owner builders and the handyman
- A full array of building services for custom built and commercial structures



Environmental Statement

SIPS Industries panels provide an exciting solution to increasing energy costs. As it takes three times more energy to cool a home compared to heating it, SIPS offer a very compelling commercial benefit when factoring in rapidly rising local energy costs in Australia and New Zealand.

Environmental product attributes:

- Manufactured exclusively from routine thinning of managed plantations
- Greater energy efficiency through higher r-value, less thermal breaks and air tightness with a major benefit being greatly reduced running costs to homes and offices
- Rigorous process enables timber to be traced to certified, responsibly-managed forests
- The complete system (panels and ancillaries) comes from one source which minimises transport miles, environmental impact, congestion, noise and traffic pollution
- Manufacturing of SIPS panels consumes minimal energy
- Less site wastage and resultant landfill
- Carbon footprint is reduced by SIP's excellent insulation qualities
- EPS offcuts are recycled
- Minimum embodied energy

**Uniquely offers commercial viability
and industry-leading environmental
performance concurrently.**



Bridgestone offices - Port Hedland

Association Memberships

- HIA Membership
- CCIWA
- Codemark Accreditation

Awards

- Greensmart WA Winner Best Renovation 2018
- Greensmart WA Winner Spec Home 2018
- Greensmart WA Winner best Project Home 2018
- Greensmart Australia Winner Spec Home 2018
- Greensmart WA Product of the Year 2012 – SIPS ReadyCut
- Greensmart WA Partnership Award 2011- LandCorp Sales Office in Perry Lakes
- Greensmart WA Product of the Year 2010 - SIPS





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