



## CARGO STRUCTURE



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## Introduction

HR Structures has one of the most technically advanced design & production centres in Europe.

HR Structures Australia are the official Australasian agent for HR Structures GmbH. A company that uniquely combines the customer care of a family run business with the service capacity of a global powerhouse.

Pioneering product innovation, quality and performance are at the heart of their products, people and processes, the German facility located in the Hessian town of Grebenhain, can produce up to 80,000 m<sup>2</sup> of new structures per week – ensuring fast, economical, factory-direct dispatch worldwide.

HR Structures GmbH state-of-the-art factory incorporates purpose-built production lines.

All structures are designed to comply with international design code criteria, including the USA-IBC2009/12 and AS/NZS standards.

All components used (roofs and walling systems) are designed to comply with international fire safety codes according to DIN 4102 B1, M2, BS5438/7837, USA NFPA701.



**Design.  
Innovation.  
Tradition.**

# OUR CARGO

## Contemporary Warehouse

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Industrial space when and where you need it.

If you're pressed with a very short construction timeline, choosing a modular warehouse can be your best choice. Compared with a traditional construction method, modular warehouses have a faster installation and construction process.

The Cargo can often reduce construction time by around 30% to 60% compared to a traditional warehouse. This is due to how the Cargo Structure is pre-manufactured in a factory and brought to your site ready for installation.

You can also reduce costs on the Cargo Structure without sacrificing durability and quality. Because the structure is built offsite, there are multiple protections against onsite construction, such as putting up scaffolding, labourers, theft and delays brought about by weather conditions.

This makes the Cargo Structure an excellent option for businesses within the industrial sector that require economical structures fast. Perfect for storage, logistics, transport, waste management and recycling, agriculture, warehouses, industrial estates and more.



# OUR CARGO

## Benefits

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### Space, versatility, strength, and adaptability

The Cargo Structure comes in a variety of dimensions and plans. Warehouses used for manufacturing and storage generally need large and uninterrupted interior spans, the Cargo can have clear span widths of 30.00m and a side height of 6.30m.

The Cargo Structure also features customisation and flexibility of the interior or exterior spaces for future alterations and expansions.

Our proven modular construction system offers fast, cost-effective, and transportable warehouse solutions, permanent modular buildings, which offer the same amenities as a conventional warehouse.

The Cargo custom modular design allows for choices in layouts and finishes, insulation, and load bearings that are easy to install, portable, and for high wind areas the Cargo can be anchored specific to the site.





# OUR CARGO

## Heavy Duty Designs

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### Made Tough

The Cargo structure is both aesthetic and functional, allowing you to create safe and efficient workplaces that adhere to stringent regulations, and international building code requirements (IBC).

Accessories like custom sized ceiling heights and steel roller doors allow access to large vehicles like semi-trailers and heavy machinery. Doors for personnel can also be installed, making the Cargo structure easy to access for anyone looking to move materials and equipment in and out.

- Frames made from steel and aluminium
- Big enough and tough enough for heavy duty vehicle and equipment bays
- Can be ground-staked or bolted as required
- As secure as site built
- Portable – setup / takedown in a matter of weeks
- Environmentally friendly
- The building's potential to repurpose allows for high resale values



# FEATURES

## Structure Profile

- Bracing System: Internal high-level bracing giving open & clear span spaces.
- Frame Construction: Hard pressed 4 groove aluminium cube profile.
- Profile Size: Profile sizes relative to situation requirements.
- Roof Covers: Steel Sheet, Thermo PVC system or Parapet system
- Wind Loading: Structures are all calculated to withstand wind loading based on the physical site location, and to meet Australian and European safety standards.
- Walling: Steel-clad sandwich panels, steel sheet, facade walling system, vertical or horizontal glass walls, ABS solid wall
- U-Values:
  1. Roofs – 1.5 W/m<sup>2</sup>K
  2. Walls & Gables – 0.44 W/m<sup>2</sup>K

## Specifications



**Span Width**  
5.00m - 30.00m



**Length**  
Unlimited in  
5.00m bays



**Side Height**  
Up to 6.30m



**Wind Load**  
To site specifics



**Custom**  
Fixtures &  
Dimensions  
available



**Anchoring**  
As site specifically  
requires

## ROOF OPTIONS

Sandwich Panel  
Steel Sheet  
Thermo Inflatable Roof

## WALL OPTIONS

Facade Walling System  
Insulated Steel Sheet  
Non Insulated Steel Sheet  
Panoramic Glass Wall  
Horizontal Glass Wall  
Vertical Glass Wall  
Framed Glass Wall

## FLOOR OPTIONS

Heavy Duty Flooring System

## ANCILLIARIES

Ventilation panels  
Various door types  
Various window types  
Balconies  
Atrium  
Balustrades  
Mezzanine floor  
External and internal stairs  
Signage Parapets  
Disability access  
Wet areas  
Lighting  
HVAC  
Colour Options



# OUR CARGO

## Structure Types

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### Canopies

Industrial canopies are perfect for companies that want to protect their equipment, vehicles, tools, and employees from the elements. The Cargo canopy can house equipment up to 6.30 metres in height. This allows for large scale equipment and vehicles to be stored and the crew can take equipment in and out without worrying about accidents.

### Sensitive Equipment Storage

If you have unique requirements such as insulation and condensation protection, the Cargo is designed for both heating and cooling. Our thermo roof solutions help you to manage air circulation, moisture evaporation, light, shade, and heat, and our reliable structures are capable of withstanding wind, frost, and hail.

For all-round temperature protection our insulated wall panels are available in various thicknesses. Windows can be single or double glazed as required.





# OUR CARGO

## Structure Types

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### Distribution Storage

The Cargo Structure provides ideal storage space to meet the demands of increased packaging, processing and distribution operations, and for seasonal peaks. From a basic storage facility, to a customised semi-permanent storage building, all our storage solutions are fully adaptable, with a wide range of options.

### Flex Usage

Flex usage allows for a wide range of office and warehouse space. The Cargo Structure can be used for many purposes and is easier to retrofit to meet a company's needs than typical warehouse buildings. This flexibility is ideal for a wide range of companies that need office space with a warehouse component.





# HR STRUCTURES

Cargo Custom Structure  
ARB 4x4 Accessories

15.00m x 40.00m x 6.30m





# **HR** STRUCTURES

Cargo Custom Structure  
ARB 4x4 Accessories

Warehouse | Showroom |  
Retail Space with Mezzanine



## Your Innovative Partner in Modular Building

Modular buildings provide better opportunities for companies interested in greening the footprint of the building construction process, as well as the impacts of recycling the building after it's complete. As modular structures deliver positive environmental outcomes, then modular construction can be an ideal fit for any company looking for a flexible, renewable, and sustainable method of building.

Modular construction is a highly streamlined process that can see project times reduced by up to 50% as the structure components are manufactured offsite. And the insulated structure ensures a more consistent R-value rating (the measure of thermal resistance).

Modular structures are leading the way to reduce the extraction of new material resources, demolition waste, construction time and transportation costs, while ensuring that these structures have a new purpose beyond its planned lifespan.

Structures can be relocated, packed down in a matter of days and moved to another site. They can also be repurposed for different functions – including applications in the commercial and industrial sectors – their flexible configurations adapt well to different applications, such as offices, hospitals, warehouses, airport terminals, sporting facilities and many other large scale commercial developments.



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**Build Your Next Project**

**HR** STRUCTURES

## CONTACT



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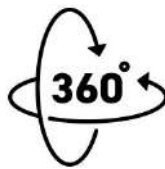
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