

# Corporate Profile.





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# Superior Enclosures. World-Class Company.

Unbeatable protection from a trusted company.

## Key Points

- + Australia's largest manufacturer of enclosures
- + Over 50 years of industry experience
- + Two state of the art manufacturing facilities
- + Winner of several prestigious awards for quality
- + Quality certified to ISO9001:2000
- + Recognised on the Lloyd's register
- + Producers of standard & customised products

**B&R Enclosures is Australia's largest and most trusted manufacturer of electrical enclosures. With over fifty years of industry experience and two state of the art manufacturing facilities, B&R has the expertise and manufacturing capability to deliver high-quality enclosures to the world market at a competitive price.**

The company is dedicated to providing the highest quality products, designed to fit the customer's specific needs. B&R has demonstrated a commitment to quality by achieving and maintaining the standard of AS/NZS ISO9001:2000 and has been acknowledged with several prestigious awards. These include the Australian Electrical and Electronic Manufacturers' Association (AEEMA) award for Global Excellence through Smart Manufacturing and the national Gold Award for Quality. They are also internationally recognised on the Lloyd's register, an agency that provides external validation on the quality of products.

B&R offers a large range of standard and customised products and services to electrical contractors, electrical wholesalers, data contractors, switchboard builders, OEM's, mine sites, large industrial clients, and many others.

The company's philosophy of making quality products, delivered on time and at a competitive price, remains the cornerstone of B&R Enclosures' operating principles.





## From Industry Pioneer to Market Leader.

A family drive for excellence fuels fifty years of success.



B&R Enclosures was founded by Dick Bridges in 1955 to specialise in the fabrication of enclosures for domestic electrical metering equipment. Since that time, B&R has dedicated itself to strategically growing the company, adding manufacturing facilities and incorporating state of the art design techniques to increase the range, availability, quality, and value of the product lines. B&R's growth is evident through its two state of the art manufacturing plants, seven offices and three agents in Australia, as well as offshore distributors. The company remains Australian owned and family operated, with a national focus and an increasing international distribution channel.

Now under the direction of the founder's son, Ken Bridges, B&R has grown to be the largest manufacturer of domestic, commercial, and industrial enclosures in Australia. Today B&R encompasses three divisions, B&R Industrial, B&R Domestic Commercial (DC) and B&R Data Systems, each of which focus on the unique needs of different market segments. B&R Industrial is responsible for the manufacture and supply of enclosures to the industrial and mining segments. B&R DC services the domestic and commercial segments through a joint venture company, Hager B&R. While B&R Data Systems specialises in data centre infrastructure for the Information and Communication Technology (ICT) market.

Together, these divisions share the strengths, resources and experience of the founding company to provide attentive customer service, innovative design and superior quality products at a competitive price.

## Key Points

- + Founded in 1955 by Dick Bridges
- + Family owned and operated
- + National focus with an increasing international distribution channel
- + Australia's largest manufacturer of domestic, commercial and industrial enclosures
- + B&R encompasses three divisions each addressing the unique needs of different market segments:
  1. B&R Industrial
  2. B&R Domestic Commercial
  3. B&R Data Systems
- + All divisions share their strengths, resources and experience

Photo: Ken Bridges B&R Managing Director



# World Class Manufacturing Facilities Reflect a Dedication to Superior Products.

State of the art processes result in high quality at competitive prices.



## No Compromise on Quality.

B&R products are built to last longer and perform better.

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From material selection through design and manufacturing specifications, B&R's designers and engineers do not compromise on quality. The final product is not only functional but durable. Some of the considerations designed into B&R's enclosures are:

#### Superior Corrosion Protection

B&R enclosures are made to meet the demands of the toughest operating conditions. The process begins with selection of the highest quality materials, such as premium grade zinc coated steel, which performs better than the standard 'black' steel often used by other manufacturers. B&R uses only marine grade stainless steel, which offers superior protection against salt corrosion (the most common type of environmental corrosion), and gives B&R enclosures superior durability to those made from lower grade stainless steel. Extra polishing and a rigorous finishing specification further enhance the on-site performance of the stainless steel. This finish significantly reduces environmental corrosion common in high salinity areas. B&R's expertise is recognised and accredited by the Australian Stainless Steel Development Association (ASSDA).

#### Superior Gasket Material

B&R's gaskets are designed for long-term adhesion and reliability. The grade of gasket material used provides excellent resistance to environmental degradation and deformation, even after being compressed for a prolonged period. Additionally, B&R utilises a 'Foamed-in-Place' (FIP) gasket that is far superior to the self-adhesive gaskets found on many manufacturers products. FIP gaskets are robotically applied so that the polyurethane is placed and formed with great precision. The result is a gasket with consistent long-term adhesion that is free of leakage-causing voids.

#### Advanced Sealing System

B&R developed its superior enclosure sealing system to ensure the best and most consistent seal in the business. While other manufacturers use a sealing face that angles into the gasket, B&R has designed a flat face system, more in line with pressurised seals such as flanges. This allows a greater cross section of sealing surface, creating a better seal and eliminating the sharp edges that can tear the gasket.

The Advanced Sealing System has been analysed at NATA laboratories and consistently passes the tests required to provide protection against the entry of dust and water in demanding conditions. B&R's degree of protection (IP code), supported by quality manufacturing processes provide evidence that customers can rely on a B&R enclosure to protect electrical equipment.

#### Commitment to Quality

B&R is committed to building quality into each stage of design, manufacture and distribution. This commitment is demonstrated by the company's dedication to continuous process improvements, state of the art facilities, and excellent customer support. Additionally, B&R's highly-experienced engineers, technicians, and operators continuously enhance their abilities through the company's investment in the education, training, and skills development.

## Key Points

- + Quality materials are used for superior corrosion protection
- + Foamed-in-Place gaskets are used for long-term adhesion and reliability
- + An advanced sealing system has been designed to increase the gasket life
- + Commitment to quality is demonstrated through education, training and skills development



# The Right Enclosure for the Job.

Offering a wide array of products for multiple industries.

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## Key Points

- + Products are supplied to industries including:
  - Electrical
  - Switchboard building
  - Mining
  - Infrastructure
  - Water & wastewater
  - Data & communications
- + Product ranges include:
  - Electrical enclosures
  - 19 inch racks & cabinets
  - Telecommunication products
  - Switchboard building systems
  - Climate control systems

B&R products are designed and manufactured both for standard conditions and harsh local environments found in Australia. The company's range of ex-stock, user-oriented complete solutions with numerous configuration options, is constantly being developed and upgraded by a team of highly experienced engineers and designers.

B&R products are supplied to many industry groups including the electrical, switchboard building, mining, infrastructure, water, wastewater, and data and communications industries. The range of available products include:

### Electrical Enclosures

Designed for industrial, domestic and commercial applications. This includes non-metallic, powdercoated steel, marine grade stainless steel, and designs for specific applications in the mining industry, infrastructure, and the home.

### 19 Inch Racks & Cabinets

19 inch racks and cabinets for rack-mounted computer equipment including server, network, and industrial applications. This includes the award winning Ausrack range, and the Ausrack ID design program.

### Telecommunications

Telecommunication products designed specifically for telecoms applications, and supplied to some of Australia's largest companies.

### Switchboard Building Systems

The metalwear required to house a switchboard system. This includes the modular, type tested Signature SE range, used for low voltage switchboards and motor control centres.

### Climate Control Systems

Air conditioners, heat exchangers, fans, and filters to keep enclosures at the correct operating temperature.

## B&R Makes Complete Customisation Easy.

Gain what you need, when you need it, at a competitive price.

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Understanding the special requirements of each customer is what sets B&R apart from the competition. With over fifty years of experience in the design and manufacture of electrical enclosures, B&R has developed a unique understanding of Australian standards and regional authority specifications, so that standard products will meet the vast majority of requirements. If the standard enclosures and configuration options do not meet a customer's needs, B&R's team of engineers will design a custom product to fit the requirements of the application.

B&R design engineers are committed to finding the best solution for an enclosure application by close liaison with the client. The B&R customisation experts work in partnership with the client throughout the design and manufacturing process, using application knowledge and design know-how to develop a customised product to fit specialised needs. The Brisbane factory provides cost-efficient manufacture of these customised products for quantity orders. All custom made products offer a 'Total Engineered Service,' including the provision to mount and wire components into enclosures, and the ability to supply fully type tested switchboards and motor control centres with ASTA certification, if required.

Companies can count on B&R to develop an enclosure solution that will meet both job-specific and budgetary requirements.



## Key Points

- + Over 50 years of experience in the design and manufacture of enclosures
- + Understanding of Australian and international standards
- + Understanding of regional authority specifications
- + Application knowledge and design know-how to develop customised products

# B&R Sets the Standard for Affordable Quality.

Driving down costs and passing the savings to the customer.

## Key Points

- + Dedicated to reducing costs while increasing quality and longevity of products.
- + Provide efficient manufacture of standard and custom made products.



One of the cornerstones of B&R's philosophy is offering products at a competitive price. B&R understands the demands placed on project budgets, and has dedicated its efforts to reducing costs while increasing the quality and longevity of available products.

B&R is continuously evaluating and improving its business and production practices, and aggressively manages suppliers and distributors to push value through to the customer. The company has invested in a state of the art manufacturing facility, designed to optimise workflow, reduce waste, and ultimately drive down costs while delivering extremely high quality products. The factory provides efficient manufacture of standard and custom made products. The result is the highest quality products at a competitive price.

# Quality and Value are Only the Beginning of the B&R Story.

Focused on delivering the best.





B&R enclosures have the finest enclosures in the business, offered at a price that delivers excellent value. Additionally, the enclosures are produced by a workforce earning a fair wage and working in a safe and clean environment.

## Key Points

- + Products are quality assured and certified to AS/NZS 9001:2000
- + Materials offer superior protection while maximising the life of the enclosure
- + Surface finish of stainless steel products have been designed to minimise staining, corrosion, and eliminate sharp edges
- + Staff are highly skilled in powdercoating techniques
- + Investment in manufacturing and design technology, results in quality products at competitive prices
- + Health and safety of staff, contractors, and customers is evident through their certification to AS/NZS 4801:2001
- + International company employing over 300 people
- + B&R operates customer training facilities throughout Australia

### The quality

B&R is certified to AS/NZS 9001:2000 which means repeatability of all processes in manufacturing and service. From design through to manufacture, products are developed and produced with world class techniques by a team dedicated to excellence. B&R works closely with customers to answer the challenges they face in their environments and exceed their expectations. All products are tested and approved in independent laboratories, and, where applicable, products also have ASTA certification. Every product is quality assured.

### The materials

B&R uses only high quality materials. Mild steel enclosures are zinc coated, and stainless enclosures are all marine grade. Both of these materials offer superior protection in harsh environments, and a longer working life overall. Stainless steel enclosures made by B&R are accredited by ASSDA, ensuring that products are made to the highest standards, and finished appropriately to minimise corrosion, and maximise their useful life.

### The finish

B&R demands quality in every step of the production process. The surface finish of stainless steel products has been designed to minimise staining, corrosion, and eliminate sharp edges. The difference is evident when compared to other products.

B&R's staff are highly skilled in powdercoating techniques and use industry experts to optimise their process for quality, reliability and environmental considerations.

### The value

B&R's investment in state of the art manufacturing and design technology allows for the production of quality products with maximum cost efficiency. B&R also actively manages the supply chain for further cost savings. The result is high quality products at a competitive price. B&R's dedication to efficient processes was recognised in 2004, with the AEEMA award for Global Excellence through Smart Manufacturing.

### The workplace

The health and safety of staff, contractors, and customers is paramount. B&R's dedication to safety is evident by third party certification of the Occupational Health and Safety Management System to AS/NZS 4801:2001, and also by formal risk assessments of products.

### The people

B&R is an international company employing over 300 people. Employees work in a team-based environment and undertake regular training. With advanced skills and knowledge, the B&R team brings its dedication to excellence to every aspect of the business.

### The training

B&R operates customer training facilities throughout Australia. Every aspect of product installation and maintenance is covered by courses designed and delivered by the most experienced staff members.

# Affiliations.

<b>AIG</b>	Australian Industry Group
<b>EIDI</b>	Electronics Industry Development Initiative
<b>Aeroteam</b>	Development of business in aerospace industry
<b>EDA</b>	Energy Development Association of Australia
<b>MESCA</b>	Mining Equipment and Services Council of Australia
<b>NECAQ</b>	National Electrical and Communications Association QLD
<b>SBSE</b>	The Society for Building Services Engineering
<b>ASSDA</b>	Australian Stainless Steel Development Associations
<b>Austmine</b>	Mining Equipment and Services
<b>ATUG</b>	Australian Telecommunications Users Group Ltd
<b>AEEMA</b>	Australian Electrical and Electronic Manufacturers Assoc.
<b>BICSI</b>	Building Industry Consulting Service International
<b>CCIWA</b>	Chamber of Commerce & Industry of Western Australia
<b>ICN</b>	Industry Capability Network (National)

# Standards & Accreditations.



**AS2380** – Indicates suitability for Exe and DIP applications.

**AS/NZS4801:2001** – An externally audited Occupational Health and Safety Management system.

**ASSDA** – The Australian Stainless Steel Development Association provides comprehensive technical information on stainless steel. This includes information for users, equipment manufacturers, and stainless steel suppliers.

**ASTA** – The Association of Short Circuit Testing Authorities.

**CE** – The CE marking is a European proof of conformity that allows manufacturers and exporters to circulate products freely within the European Union. The letters, “CE” indicate that the manufacturer has satisfied all assessment procedures specified by law for its product to be sold on the European market.

**ISO9001:2000** – Internationally recognised quality standard.

**Lloyd's Certification** – An internationally recognised certification agency that provides external validation on the quality of our products.

**NATA** – The National Association of Testing Authorities is Australia's national laboratory accreditation authority, and the largest such system in the world.

## Key Points

- + Latest automated manufacturing technologies for precision and repeatability
- + Purpose built factory for efficient manufacture
- + Professionally qualified team of designers and engineers
- + 3D CAD/CAE software used for design
- + Smart manufacturing award winners from AEEMA
- + Received the Gold award for quality in 2004
- + Ongoing investment in new manufacturing technologies

B&R's drive for excellence is reflected by its constant investment in the latest design and manufacturing technologies. The head office and world class manufacturing facility in Brisbane has been purpose built to suit B&R's workflow. The factory allows for the efficient manufacture of both standard and customised products. A professionally qualified team of engineers and designers use the latest 3D computer design systems to develop and improve a wide range of enclosure solutions, and ensure maximum product usability. B&R stays on the leading edge of new technologies in order to exceed customers' expectations of high quality, low cost, and timely delivery.

The Brisbane facility uses not only the latest technology but also the latest in operational practices designed to streamline production. To begin, product designers use the latest in 3D design, drafting, and modelling software (CAD/CAE), allowing jobs to be fully assembled electronically, checked for fit and interference, then automatically transferred to the production line. The software calculates the design specifications, maps out the most efficient cutting pattern, and feeds the instructions to the automated inline bending and punching machine. This machine takes the process of selecting, bending and cutting steel onto a single production line, saving processing time, work in progress, space, and logistics costs. The end result is a quality product, produced to tight tolerances and in a repeatable manner. B&R also uses Quality Management systems complying with ISO9001:2000 to precisely control production, raw materials and process planning, while meeting the stringent requirements of tolerancing and quality control.



In 2004, B&R won both the AEEMA award for Global Excellence through Smart Manufacturing and the national Gold Award for Quality for a large business. Both are prestigious awards that prove the company's commitment to manufacturing at the highest standards.

The ongoing investment in the latest manufacturing technologies and dedication to best practices ensures that B&R maintain its commitment to quality products offered at a competitive price and delivered on time.

# Standing Ready to Assist.

B&R strives to ensure that customers have the enclosures they need, when they need them. A network of offices and distributors throughout Australia makes B&R products conveniently available for purchase. For more information on the location of the closest supplier, call **1800 804680**.



[www.brenclosures.com.au](http://www.brenclosures.com.au)

## B&R Offices.

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