



DEFENCE

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OUR BUSINESS

Since 1955, B&R Enclosures has built a reputation for excellence in design and production, culminating in our position as Australia's largest enclosure manufacturer and electrical equipment integration specialist.

As an independent, 100% Australian family owned and operated business, we champion the virtues of quality, innovation, service and value. The emphasis on these aspects has sustained B&R's growth leading to Australian manufacturing and distribution facilities in Brisbane, Adelaide and Sydney, along with a global distribution network.

B&R's knowledge, precision, quality and unwavering commitment to creating repeatable solutions for our clients supports our position as preferred manufacturer for many private, government and commercial projects in some of Australia's harshest environments.

B&R Enclosures encompasses five divisions: Industrial, Data ICT, Hazardous Areas, Residential Commercial and Defence, each dedicated to addressing the unique needs of their respective markets. Together, these divisions leverage the strengths, resources and experience of our founding company to provide exceptional customer service, innovative design and superior-quality products.

We proudly supply some of the world's largest companies, including BHP Billiton, Rio Tinto and the Australian Government.

With extensive supply chain capabilities, B&R offers stock supply from our national warehouse network, custom-assembled solutions with short lead times, value-added services, and collaboration with other suppliers to integrate third-party products into enclosures, racks, or cabinets before shipment.

OUR VISION

“ To inspire innovation for a sustainable future ”

OUR CUSTOMERS

B&R product solutions are trusted by some of the world's largest companies. B&R's team collaborates with customers to deliver innovative solutions to suit complex specifications.





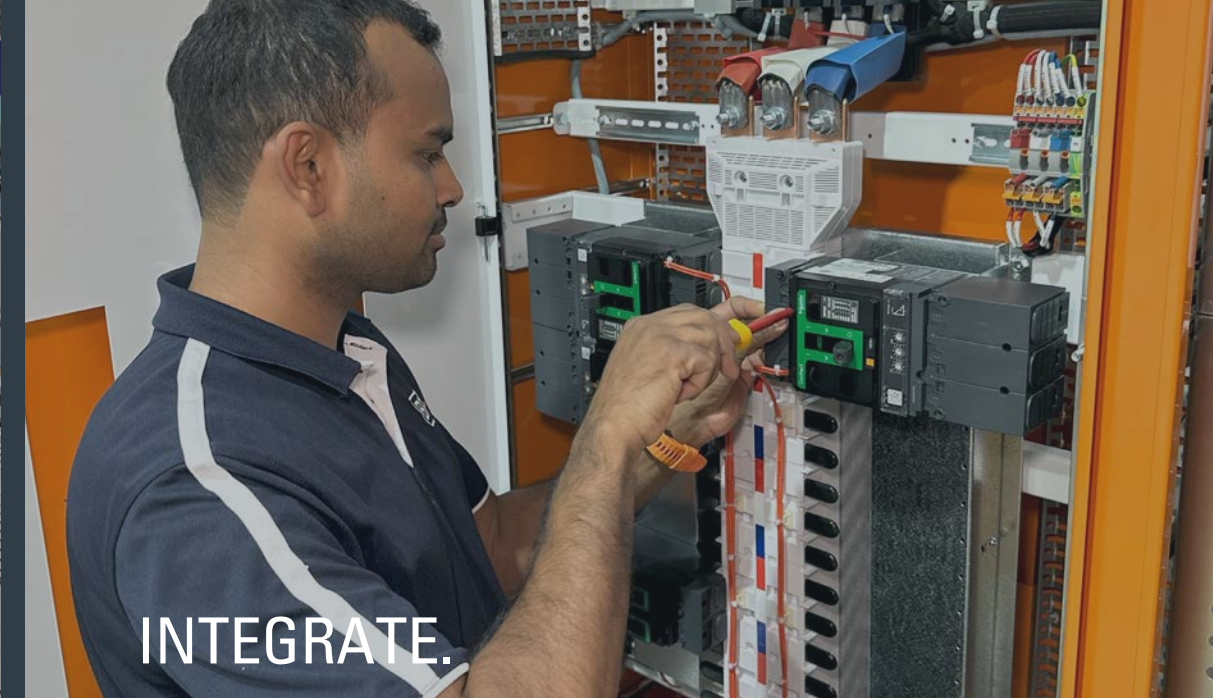
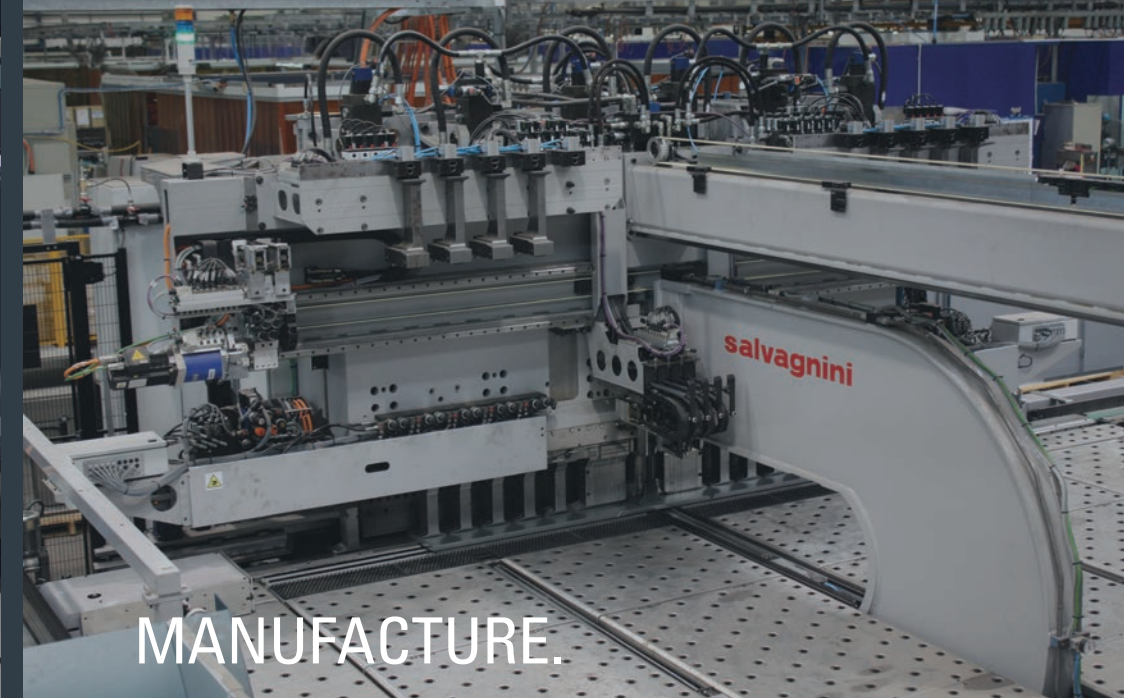
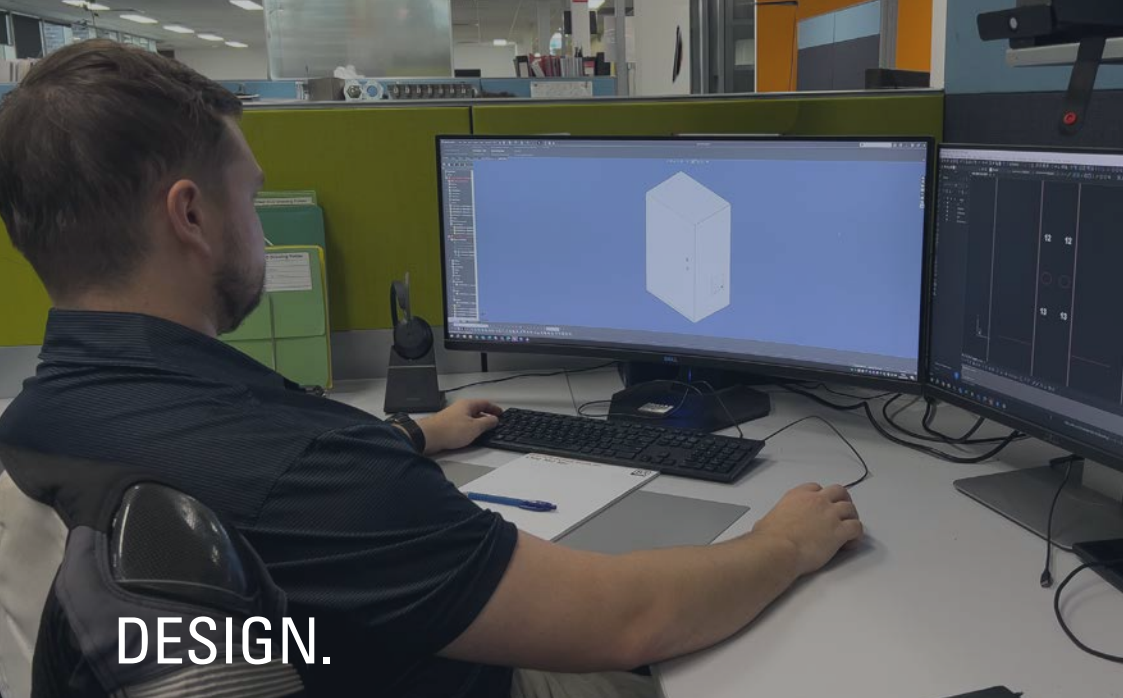






“ B&R provided quality technical engagement, quality manufactured product, and worked openly and effectively with BDA staff to meet challenging technical requirements and an aggressive schedule. ”

Lee Davis, Boeing Defence Australia Ltd



DESIGN.

MANUFACTURE.

INTEGRATE.

DELIVER.

OUR CAPABILITIES



BUILD TO PRINT

We work with customers to build products and integrate equipment to their exact specifications and designs. With our team of engineers and industrial designers working closely with our customers, our dedicated production and electrical teams are here to deliver your exact product requirements up to FAT (Factory Acceptance Testing).



ELECTRICAL TECHNOLOGY INTEGRATION

We work with Primes, SMEs, asset owners, specifiers, end users, engineers, project managers and installers to package and deliver fully configured systems and solutions by offering the fitment of additional equipment to fully customised, engineered and off-the-shelf designs. Our value added solutions are fit for purpose and ready to install.



ADVANCED MANUFACTURING

We employ an Industry 4.0 standard, with significant factory digitisation, and punching and bending machines. We work with industry leaders and government authorities to create an advanced manufacturing environment.



ELECTRICAL INTEGRATION

Offering complete electrical integration services via our team of qualified electricians and electrical engineers allows us to build complete component sub-systems and systems that deliver total system functionality prior to final installation.



DESIGN & ENGINEERING

B&R's team of designers work with clients on unique engineering challenges to provide innovative, efficient solutions delivered with short-lead times and to complex project specifications.



TESTING & VALIDATION

In-house testing including temperature rise, impact, IP, type testing, static load, seismic, wind load, salt spray, line inspection and more.



SUPPLY CHAIN MANAGEMENT

We manage the complete flow of goods and services, including free issued equipment from point of origin to final execution and site delivery. It involves the active streamlining of our customers supply-side activities to maximize value and giving our customers a competitive advantage.



PROJECT MANAGEMENT

We work closely with customers to define project scopes, objectives and implement mutual action plans to meet their needs. With regular communication and reporting practices we ensure complete project specifications are delivered in a timely and transparent manner.



DOCUMENTATION & QUALITY MANAGEMENT

Full configuration management of build-state and detailed documentation experience with ISO 9001 accreditation.



WAREHOUSE & DISTRIBUTION

Multiple Australian manufacturing and distribution facilities totaling in excess of 30,000sqm with an international distribution network.

THE POWER OF A STRATEGIC PARTNERSHIP

Our commitment to supplying the Defence industry with highest quality products designed and developed with our customers for their mission.

Partnering with B&R unlocks the full potential of your projects by acting as an extension of your team. Our commitment to transparency and collaboration ensures seamless integration, while our team of subject matter experts in racks, cabinets, and enclosures mitigates risk by delivering engineered solutions that meet exact requirements.

By working with B&R, you can focus on your core competencies, while we supplement your engineering efforts, drive efficiencies, and accelerate project delivery. With common design rules, cost-effective manufacturing, and a global competitive edge, we help you reduce costs and achieve faster, more predictable outcomes.

Through long-term partnerships, we continue to refine processes and solutions, ensuring a sustainable and successful future.



PILLARS OF SUCCESS



EXTENSION OF YOUR TEAM

Seamlessly integrate with your team to align on project goals and execution



TRANSPARENCY

Ensure open communication and clear visibility into project progress



SUBJECT MATTER EXPERTS

Provide specialised expertise to deliver tailored, efficient solutions



PRODUCT SOLUTIONS

B&R prides itself on continually searching for the most innovative solutions across multiple industries, designing and supplying standard or custom products and engineered solutions for a wide range of applications.

B&R is a trusted supplier of electro-mechanical systems and assembly integration for leading organisations such as BAE Systems, Boeing, L3 Harris, Luerksen, ThyssenKrupp, Thales and the Australian Defence Force. We have long been a reliable partner in the supply chain for OEMs commissioning complex, innovative and tailored engineering and manufacturing enclosure solutions.

With half of our business focused on original equipment manufacturing, we produce high-quality, repeatable products, ensuring consistent supply with an average of 300 enclosures manufactured every weekday - (6,000 per month, 72,000 per year).

In addition, our customisation expertise allows us to offer end-to-end design, manufacturing and equipment integration solutions across sectors such as Defence, Marine, Industrial, Data ICT, Hazardous Areas and Residential Commercial.

PRECISION ENGINEERED SHEETMETAL

B&R offers a range of ruggedised engineered hardware and build-to-print solutions for defence communication equipment and integrated platform systems across a wide range of applications.

- Comprehensive design and engineering for sheet metal and CNC-machined parts and assemblies.
- Complete documentation and quality control.
- Specialising in high-volume production.
- Digital supply chain management, along with Acceptance Testing and verification.
- A variety of material finishes and powder coat colours available.
- Materials include 316 stainless steel, marine-grade aluminium and steel.

Project References

Ghostbat MQ-28
Project Currawong
Mobile Battlespace Communications
HQOTM (Head Quarters OnThe Move)



POSEIDON RACK CABINETS

- Designed and purpose built specifically for Naval Maritime applications.
- Tested and certified to MIL-STD's for vibration and EMC.
- Configurable sizes (14RU - 39RU) supplied with or without isolator mounts.
- Ability to bay cabinets together in multi-rack configurations.
- Includes thermal management fans with running life of over 37,000 hours at 40°C.
- Customisable to specific requirements.
- Polyester powdercoated finish.

Project References

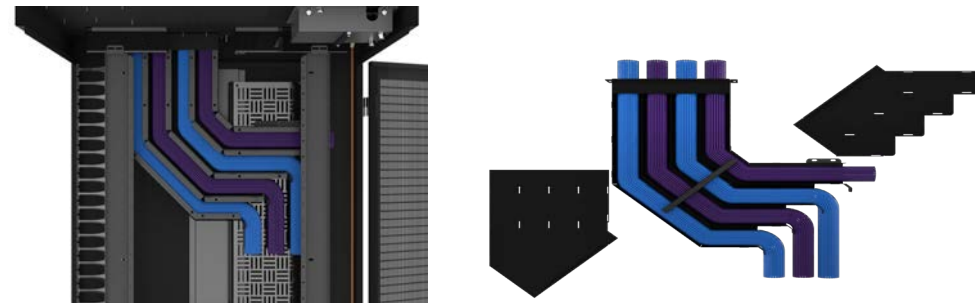
Arafura Class (OPV)
Anzac (FFH)
Destroyer (DDG)



SCEC CQR GUARDIAN HIGH SECURITY RACKS

B&R's Class B and Class C range of cabinets are high-quality security solutions designed and manufactured in Australia. Built from durable zinc-coated steel, these fully welded, customisable cabinets are ideal for secure network applications and offer superior security and airflow management.

- Manufactured in Australia from zinc-coated steel for durability and reliability.
- Fully welded design with extensive customisation options including accessories and cable management.
- Unmatched cable capacity with multiple entry points for easier cable access.
- Optimised cable routing, allowing up to twice as many cables through a single opening.
- Superior security with mesh doors following SCEC guidelines and options for solid or acrylic doors.
- Advanced airflow with fan kits and high-flow fans capable of moving 1700 cubic metres per hour.
- Three-point locking system, with Class B cabinets using electronic combination locks and Class C using Bi-Lock technology.
- SCEC compliant to meet the latest Australian government security standards, ensuring top-level protection.



High capacity Cable Carrier baffle with innovative cable entry.



NETWORK RACKS

B&R Enclosures specialises in providing high-quality 19" server racks designed for efficient systems support, with a focus on the defence and security sectors.

Our racks are customisable, durable, and compliant with industry standards, ensuring secure and optimal performance for critical IT infrastructure that supports national interests and sovereignty. We offer integrated cooling and cable management solutions to enhance operational efficiency. B&R serves our defence industries with reliable, tailored rack solutions to meet specific needs and a proven track record in supplying:

- Radar Networks
- Communication Systems
- Deployable Communications Networks
- Training System Networks

Project References - SCEC CQR GUARDIAN & NETWORK RACKS

JP9101 - Project Phoenix

Air 5431 Phase 2 & 3 - Defence Air Traffic Management and Control System Facilities:

- RAAF Base Amberley (QLD)
- Army Aviation Centre Oakey (QLD)
- RAAF Base Pearce (WA)

Air 5349 Phase 3 (Growler)

Battlefield Airlifter Phase 2, C & D

23rd Squadron RAAF Base Amberley

Jindalee Operational Radar Network

Gallipoli Barracks, QLD

RAAF Base Williamstown, NSW

SHOALWATER BAY – Australia Singapore Military Training Initiative (ASMTI) Facilities SWBTA Rockhampton, QLD

Land 400 Townsville Lavarack Barracks

Land 400 Puckapunyal Military Area



COMMUNICATION CONSOLE

Built to withstand the rigours of defence environments, our consoles provide reliable, secure communication, ensuring effective coordination and decision-making in critical operations.

- Designed and purpose built to support a diverse range of Defence platform systems.
- Designed collaboratively with Primes and System Integrators, to provide solutions that meet specific project demands.
- Designed with total TLS (through life support) in mind and a lower cost of ownership by offering a modular design, suitable for technology and equipment advancements and obsolescence.
- Ergonomic human factor design using lightweight construction materials.
- Modular form factor allows upgrades by individual modules as needed.
- Certified EMC protection to MIL-STD's.
- Vibration and Shock Certified.

Project References

Arafura Class (OPV)
Damen RoPax



UNIVERSAL NI

The Universal NI range of COTS and MOTS products is designed for housing electrical controls, instrumentation, junction terminations, and PLCs. These products are suitable for use in marine and other demanding outdoor environments, offering IP66 protection.

- Reversible door opening up to 120° for easy internal access.
- Wall-mountable with brackets or a mounting flange kit, requiring no drill holes.
- Flat face gutter ensures a reliable, long-lasting seal in all environments.
- Modifications available, including viewing windows, vents, lock options, and rain hoods.
- Lloyd's Register certified for quality assurance.
- Available in powder-coated zinc-coated steel, aluminium, or 316 stainless steel.

Project References

Arafura Class (OPV)
ANZAC Class (FFH)
Canberra Class (LHD)
Supply Class (AOR)



CONNECTION JUNCTION BOXES

Connection junction boxes are ideal for housing terminations, pushbuttons, or switchgear. These products are built for marine and other harsh outdoor environments and come with IP66 protection.

- Mounting options include a mounting pan or DIN rail for equipment installation.
- Wall-mountable with brackets or pre-attached mounting flanges.
- Flat face gutter ensures a secure and durable seal regardless of environmental conditions.
- Lloyd's Register certified for reliable performance.
- Available in powder-coated zinc-coated steel, aluminium, or 316 stainless steel.



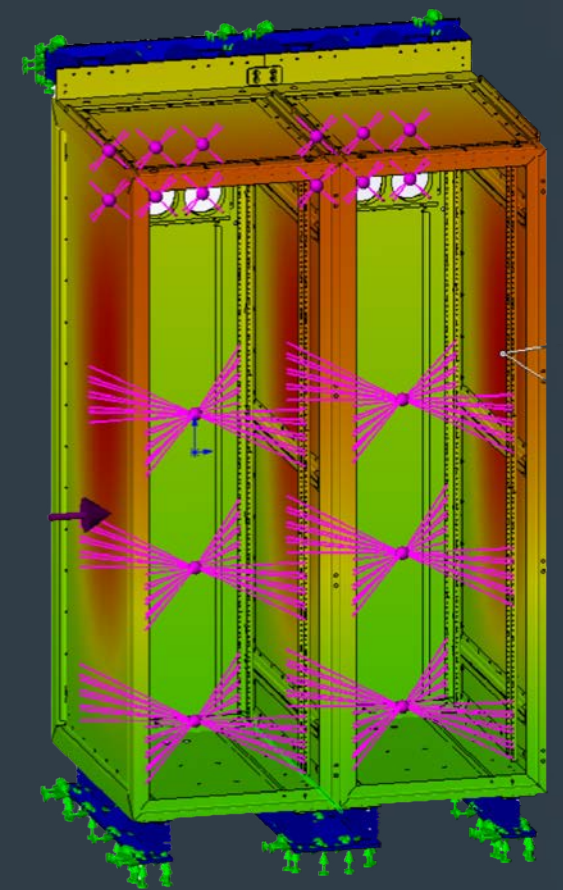
IN-HOUSE TESTING

We take total ownership of project requirements within our scope – we’re more than just sheet metal!

We ensure product reliability through in-house and third-party testing, including shock, vibration, EMC, MIL-STD compliance, impact (IK), ingress protection (IP), environmental testing, temperature rise and more.

Using Failure Modes and Effects Analysis (FMEA), we proactively identify and address potential failures to enhance product durability.

Our Inspection Test Plans (ITPs) verify quality and functionality, ensuring products meet design specifications and application requirements. Completed ITPs are provided with full transparency, following strict quality control processes.



OUR MARKETS

B&R is one of Australia's largest enclosure manufacturers and electrical equipment integrators.



Defence Infrastructure
& Capital Assets



IT Infrastructure &
Data Centres



Mining



Process Control &
Automation



Telecommunications
and Telecom Networks



Oil & Gas



Energy, Water, Transport
& Infrastructure



Residential Commercial
Power Distribution

OUR STANDARDS and ACCREDITATIONS

At B&R, quality and value are just the beginning. We strive to deliver quality products developed and manufactured by a team dedicated to excellence, backed by standards, approvals and industry accreditations.



ISO 9001

All B&R manufacturing facilities are externally audited to meet stringent ISO 9001 standards. Each product is thoroughly inspected during production to ensure it performs reliably in its intended environment and application.



ISO 45001

An externally audited Occupational Health and Safety Management System.



ISO 14001

Sets out the criteria for an environmental management system. It maps out a framework that a company or organisation can follow to set up an effective environmental management system.



Security Construction and Equipment Committee (S.C.E.C)

A standing inter-departmental committee responsible for the evaluation of security equipment for use by Australian Government departments and agencies.



IECEx Certification

An internationally recognised scheme for the certification of hazardous area electrical equipment. The IECEx system is designed to facilitate international trade in equipment and services for use in hazardous areas, while maintaining the required level of safety.



Lloyd's Register

Lloyd's Register is a global organisation which provides independent assurance to companies operating high-risk, capital-intensive assets in the energy and transportation sectors, to enhance the safety of life, property and the environment.



CE Mark

The CE marking is a European proof of conformity that allows manufacturers and exporters to circulate products freely within the European Union.



RoHS

The RoHS directive aims to restrict certain dangerous substances commonly used in electronic and electronic equipment. Any RoHS compliant component is tested for the presence of Lead (Pb), Cadmium (Cd), Mercury (Hg), Hexavalent chromium (Hex-Cr), Polybrominated biphenyls (PBB), and Polybrominated diphenyl ethers (PBDE).



Australian Stainless Steel Development Assoc.

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.

NCAGE: Z6Q79

A unique identifier assigned to organisations that do business with NATO and other government entities. This ensures our compliance with international standards and allows us to participate in government and defence-related contracts efficiently.

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