



# CAPABILITY STATEMENT

DRIVING PERFORMANCE

**BRE** GROUP

## Industry Leaders in Road Transport Equipment Design, Manufacture and Maintenance.

- We leverage our experience and world-class facilities located strategically around Australia to provide a full, end-to-end integrated service in road transport design, manufacturing and maintenance services.
- We deliver innovative and leading-edge solutions nationally across a number of industries including transport, mining, agriculture, construction and retail.



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# GROUP PROFILE



## THE BRUCE ROCK ENGINEERING GROUP

Founded in 1980, The Bruce Rock Engineering Group (BRE Group) is a leading national provider of road transport equipment design, manufacture and maintenance services.

The BRE Group delivers an end-to-end service in the road transport industry. We offer to our clients fully integrated capabilities from concept through to design, manufacturing, maintenance and sales of road transport equipment.

BRE Group has four divisions:

- **Bruce Rock Engineering** – A one-stop-shop for road transport equipment and mining vehicle manufacture and servicing
- **Transbeam Industries** – Leaders in CNC plate processing, automated beam welding and specialist fabrication.
- **BRE Tyres** – Quality truck, agricultural, bus and passenger tyres, rims & associated services.
- **Mezz Trailers** - Sole importer in Australia of Wabash National trailers, the USA's largest semi-trailer manufacturer.

The Group also has a strategic alliance with:

- **SSAB (Swedish Steel)** – A member of Hardox in My Body and Hardox Wearparts providing access to a global engineering network.
- **Continental Tyres** - A strategic alliance with Bruce Rock Tyres with Europe's largest brand of tyres.

**BRE**  
GROUP

**Bruce Rock**  
ENGINEERING

TRANSBEAM  
INDUSTRIES

**Bruce Rock**  
TYRES

**MEZZ**  
TRAILERS



## **NATIONAL CAPABILITIES**

The BRE Group boasts world-class, purpose-built facilities that are strategically located throughout Australia to provide exceptional and reliable end-to-end transport services.

The BRE Group has three state-of-the-art manufacturing facilities based in Western Australia, supported by offices and workshops nationally.

BRE is the only original equipment manufacturer with support facilities in the Pilbara region. We are also represented in Melbourne, Sydney, Brisbane, Wagga Wagga, Dubbo, Newcastle and Canberra through our service network partners, providing full support services, nationwide.



## FACILITIES



### **STATE-OF-THE-ART FACILITIES**

**Every stage of the manufacturing process is performed on-site in our modern facilities.**

The BRE Group has three strategically located state-of-the-art manufacturing facilities in Bruce Rock, Perth and Port Hedland.

Our premium facilities cover over 50,000m<sup>2</sup> between 3 sites; including 10,000m<sup>2</sup> of workshops, 1,000m<sup>2</sup> of blast and paint and 1,000m<sup>2</sup> of Administration offices.

#### **IN THE HEART OF TRANSPORT**

Servicing the agricultural transport market, the BRE Group Head Office is located off Great Eastern Highway, in the heart of WA's Wheatbelt Region.

As the only OEM with a presence in the Pilbara, the Port Hedland facility is well positioned near the largest tonnage port in the world. With the highest concentration of haulage road trains in the country, the area is well supported by the 1500m<sup>2</sup> workshop and offices.

The new Forreestfield facility is strategically located right in the heart of the transport and logistics hub and on the road train route to the north of Western Australia and to the east coast of Australia, strengthening our capability to deliver cost and time efficiencies.

This purpose built facility is home to design, manufacture and construction capabilities. One hectare in size, it houses a 2,700 square metre workshop and 350 square metres of administration offices.

#### **NATIONAL SUPPORT SERVICES**

The BRE Group partnership with Australia's largest heavy vehicle accident repair specialists, Royan Truck and Trailer Repairs, has provided access to six fully equipped repair facilities throughout Australia, and to services including accident management, chassis and cab alignment, fabrication, panel beating, fibreglass, mechanical, auto-electrics and spray painting.

## **A ONE-STOP-SHOP**

Every aspect of our services is performed on-site by our qualified and experienced team. We have strong relationships with our suppliers and partners, enabling the best heavy vehicle maintenance for our clients.

BRE Group offers a full suite of repair and modification services on all types of equipment to suit the agricultural, mining, industrial and transport industries. We also offer complete trailer insurance repairs and truck repair services on all trailing equipment; as well as quality blast and paint on all types of equipment.

We deliver a full suite of services including:

- Insurance and repairs
- Modifications
- Fabrication and welding
- Tyre and wheel services
- Maintenance and spare parts
- Laser wheel alignments
- Site work, welding and repairs
- Blast and paintworks
- Design and construction of industrial and commercial buildings
- General engineering services.

All our work is carried out in accordance with the relevant Australian Standards, in conjunction with Worksafe and environmental protection best practice.

# DIVISIONS



## **BRUCE ROCK ENGINEERING**

Respected for excellence in design, innovation and service, Bruce Rock Engineering (BRE) is an industry leading designer and manufacturer of road transport equipment in Australia.

A one-stop-shop for road transport equipment and mining vehicle manufacture and servicing, BRE has the capacity to deliver transport equipment nationally.

Our heavy vehicle manufacturing processes are carried out completely in-house for full quality control. Every trailer manufactured goes through a rigorous process from design and fabrication to assembly and fit-out.

Our full portfolio of products include end tippers, side tippers, dollies, skel trailers, flat tops & drop decks, mining vehicles and road trains. We also design and construct industrial and commercial buildings, dangerous goods tankers, oversize tyre carriers and provide general engineering services to our local areas.

### **SOLE DISTRIBUTOR FOR WABASH NATIONAL**

Our solid reputation as an industry-leading innovator has seen BRE awarded the sole distributorship in Australia for Wabash National trailers, the USA's largest semi-trailer manufacturer. Custom engineered for Australian conditions, the fully imported, refrigerated and dry freight Wabash vans, as well as flat tops and drop decks, are ADR compliant and utilise industry standard componentry.

### **CUSTOM DESIGNS**

BRE delivers innovative, customised designs. All of our road transport designs are unique, leveraging our specialised knowledge and experience in road transport.

We have solid experience in designing custom vehicles for a variety of sectors including agriculture and mining. We take pride as a one-stop-shop for unique road transport designs and manufacture.

### **PERFORMANCE BASED STANDARDS**

We have embraced Performance Based Standards and the efficiency gains it can bring to a specific freight task. We have completed several hundred PBS vehicles that have allowed significant increases to the product being carried per trip while also improving the on-road behaviour of the vehicle, and providing a more environmentally friendly and efficient operation.





**OUR PRODUCTS**

BRE designs and manufactures high-quality road transport equipment, in-house. Our equipment and fleet are recognised across Australia for excellence in design, innovation, quality and reliability.



**CUSTOM-DESIGNED, SUPER-QUAD 60-METRE ROAD TRAIN**  
International top line patented product

Features new technology that is cost-effective for our clients while reducing truck movements by up to 30% - benefitting both industry and the community.



**END TIPPERS**

BRE grain tippers are renowned for being the best quality and lightest tare weight, steel body, full-chassis tippers in Australia.

Grain and general purpose end tippers - various sizes & combinations available.



**SIDE TIPPERS**

The BRE range of side tippers offers the best tare weights and build quality in Australia, while keeping maintenance and down time to a minimum.

'Door' and 'bowl' types available.



**DOLLIES**

BRE dollies offer the best tare weight in Australia and are manufactured with a unique ultra-high tensile sandwich style chassis.

Available in both tandem and tri axle configurations, and in several axle spreads (2.4m, 2.7m or 3.1m).



**SKEL TRAILERS**

Suit 20' and 40' shipping containers with a large range of length and load capacities.



**FLAT TOPS & DROP DECKS**

BRE manufactures a large range of high quality flat tops and drop decks including extendables and wideners.

A broad range of flat top and flat top extendable trailers, drop decks with and without ramps, and drop deck extendables and wideners.



**PERFORMANCE BASED STANDARDS**

Oversize earthmover tyre carriers, these are an example of the BRE team providing clients with out-of-the-box solutions to increase productivity and safety.



**DANGEROUS GOODS TANKERS**

BRE light weight steel tankers are available for a range of tasks and products, offering innovative operational efficiencies.



**REFRIGERATED VANS**

World class for thermal efficiency and tare weights, Wabash National vans are available to ADR specifications in Single trailer, B-Double and Road Train combinations.



## TRANSBEAM INDUSTRIES

Transbeam Industries are industry leaders in CNC plate processing, automated beam welding and specialist fabrication.

With a focus on product and customer service. Transbeam Industries has gained a reputation for rapid quote turn-around, reliable lead-times and remarkable product quality.

### HARDOX WEARPARTS CENTRE

As a Hardox Wearparts Centre, we have access to a global knowledge base through our partner SSAB. Using proprietary tools and software we can provide solutions identifying the correct application of specific wear products. We collaborate with our clients throughout the entire product lifecycle.

### SPECIALIST SERVICES

Transbeam Industries has the capability to deliver custom solutions across a broad range of industrial sectors including:

- Mining, Oil & Gas
- Road transport
- Engineering and fabrication
- Agriculture
- Defence
- Recycling.

### CNC PLASMA CUTTING AND PLATE PROCESSING

Transbeam Industries operate a highly optimised Kinetic™ K5000. The most advanced and capable CNC plate processing machine in the world. Utilising advanced nesting software we can work with all drawing formats, enabling rapid and accurate quoting.

#### Capabilities include:

- 21.5m x 3.4m dry bed
- Dual 400A high definition plasma torches with bevel capabilities – capable of cutting 80mm
- Dual oxy torches with bevel capabilities – capable of cutting up to 250mm
- World first integrated CNC stud welder – from M8 through to M24
- Hugely powerful 50HP spindle with high pressure thru-coolant;
  - Drilling up to 120mmØ
  - Tapping and thread milling
  - Counter-sinking and counter-boring
  - Milling
  - Coolant and swarf extraction system
- Most processes are possible in Hardox 600
- Full material certificate traceability.

#### Additional services include:

- Laser and waterjet cutting
- Machining
- Pressing and rolling
- Surface treatment.

**HARDOX**<sup>®</sup>  
**WEARPARTS**  
**CENTRE**



## **AUTOMATED BEAM WELDING**

We employ a purpose-built beam welder designed to enable the efficient production of welded beams.

We specialise in:

- Chassis rails
- Custom sized, curved or tapered structural beams
- Box and Tee sections.

Capabilities include:

- Beam depth from 100mm to over 1000mm
- Flange width up to 305mm
- Lengths up to 18m.

## **SPECIALIST FABRICATION**

We have extensive experience working with high grade Q&T steels, such as Hardox™ and Strenx™. From concept and design, through to fabrication, fatigue management and repair.

Our highly-skilled team of qualified fabricators have a sharp eye for detail and take great pride in their work. We regularly undertake a range of projects; from complete chassis fabrication to specialised wearparts, high-volume production of standard assemblies or dangerous goods vessels. We can offer qualified weld procedures, material certification and testing to a variety of standards.

### **Inventory on Hand**

Transbeam Industries stock a vast inventory of materials. We maintain strong supplier relationships ensuring competitive pricing for our clients, priority access & fast turnaround of work.





## BRUCE ROCK TYRES

Quality tyres and services for truck, agricultural, bus and passenger vehicles.

Founded to service Western Australia's Wheatbelt region, Bruce Rock Tyres (BRT) holds an unparalleled understanding of which products to use to suit the demands of different environments.

Bruce Rock Tyres is an authorised dealer of Continental™ tyres, a trusted premium quality German brand renowned for driving comfort and safety.

### SERVICES

- Repair of car, 4x4 , truck, agricultural and earthmoving tyres
- Fitting and balancing of car, 4x4 and truck tyres
- Truck, trailer and bus wheel alignments
- Car and 4x4 wheel alignments
- Brakes and suspension
- Exhausts
- Vehicle servicing
- After hours call-out.

### RANGE

- Passenger tyres
- 4x4 and SUV tyres
- Truck, trailer and bus tyres
- Tubes
- Motorcycle and ATV tyres
- Earthmoving tyres
- Agricultural tyres
- Car and truck rims.

### STOCK AND SERVICE

We stock a large range of car, 4x4 and truck tyres at all times; and if the tyres that you want are not in stock we can usually have them available next day.

### WHOLESALE

Bruce Rock Tyres also offers large volume truck and trailer tyres, and rims at wholesale pricing to any location in the country.





## ***THE WAY WE WORK***

**As a Group, BRE has always led the industry through innovation and service.**

We take pride in our work, striving to exceed expectations and earning the right to do business with our clients. At our core is our strong family values which form the foundation and ethos of our culture.

Our values underpin the way we work and make decisions.

### ***PROFESSIONAL***

- We seek to work together with our clients as long term partners
- We are committed to delivering value on time and on budget.

### ***CARING***

- We embrace teamwork, sharing and trust
- We pride ourselves on our strong family values and always take care of our people.

### ***INTEGRITY***

- We deliver on what we promise
- We act with honesty and integrity.

### ***QUALITY***

- We strive for service excellence in every aspect of our business
- We have a commitment to innovation and design
- Adherence to our quality assurance and safety standards are paramount to us.

### ***WE PARTNER WITH OUR CLIENTS TO DELIVER INNOVATIVE SOLUTIONS***

We work in partnership with our clients to deliver projects on time and on budget. Known and respected as an industry leader, we constantly innovate and more importantly, we listen so that we can deliver effective commercial solutions.

# PROCESSES



## MANUFACTURING PROCESSES

The BRE Group is focused on the timely delivery of high quality manufactured products.

Our heavy vehicle manufacturing process is carried out completely in-house ensuring 100% quality control throughout each step.

Every trailer we manufacture goes through the following process:

### 1 3D CAD DESIGN –100% ACCURACY, GUARANTEED

- Dimensionally-correct, 3D modelling using up-to-date Inventor software
- Stress checking of components using Finite Element Analysis (FEA) software
- Pre-production simulation of loadings, deflections and stress levels.

### 2 CNC PROFILE CUTTING

- Steel parts are cut using CNC laser and plasma profile machines ensuring accuracy to 0.5mm and 100% repeatability of every component.

### 3 CHASSIS RAIL FABRICATION

- We use CNC profile cut web material, and flat bar or stripped plate flanges
- Flanges are cold formed around the web and welded using our deep penetration metal core process to Australian standard AS/NZS 1554.1 SP and AS/NZS 1554.4 SP – ensuring consistent strength and weld appearance.

### 4 TRAILER FABRICATION AND BODY ASSEMBLY

- All parts, materials and sub-assemblies are barcode labelled for ID and traceability
- Fabrication is to strict procedures and quality standards
- Assemblies are checked and signed off when tacked together, welded and again when ready for blast and painting.

### 5 BLAST AND PAINTING

- All items are abrasive blasted to class 2.5 in our on-site booth
- Items are primed with a two pack epoxy primer, dried, sanded and sealed for top coat
- Top coat is applied to the required colour in two pack polyurethane gloss finish
- Items are inspected and signed off for assembly.

### 6 ASSEMBLY AND FITOUT

- All trailer components are assembled including axles, suspension, brake system, hydraulics, lights and mud guards
- Significant testing conducted to ensure parts function correctly and leaks are identified
- Bolt tensions are checking and signed off
- Trailer is ready for licensing and delivery.

**THE FINAL STAGE:** Our trailers are assembled and fitted after the painting process ensuring a better quality product that is durable and long-lasting.



# CORPORATE RESPONSIBILITY

## ***SAFETY & QUALITY***

Keeping our people safe at all times is paramount. It sets the foundations on which our company was founded and for our future growth.

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### ***SAFETY LEADERSHIP***

As an industry leader in the road transport equipment and services industry, we strive to set the standard in safety excellence.

Since our inception, we have been guided by our values. Throughout our process, we strive to exceed industry compliance practices.

Safety resides at the core of our values.

Our commitment includes:

- Management commitment and accountability
- Identification and management of project risk with structured testing and quality assurance
- Training
- Continuous improvement
- Improved safety of other road users and the operator.

### ***QUALITY ASSURANCE***

BRE Group's Quality Management strategy focuses on:

- Ensuring responsible personnel are adequately trained and capable
- Structured manufacturing processes from design to final assembly, including full material and product traceability using barcodes and scanners
- Significant quality assurance procedures at every stage of the manufacturing process
- Clear scope of works for benchmarking
- Continuous improvement.



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