

# DEFENCE CAPABILITIES

- Engineered Solutions
- Lifting & Lashing Systems
- Tyre Protection & Traction Chains
- Material Handling Solutions
- Heavy Vehicle Hoists







Aircraft Tie-down Systems





# GLOBAL EXPERIENCE, LOCAL EXPERTISE

The RUD Group is a globally certified supplier for defence systems and equipment for land, air and sea. We provide standard and customised applications for the defence force that meet and exceed the industry's exacting standards.

RUD Australia was established in 1984. Since then, we have earned a reputation for innovative material handling and lifting solutions including:

- Lightweight Load Securing and Lashing Systems
- Customised Engineered Lifting Designs
- General Fabrication of critical Defence components
- The world's largest range of patented Lifting and Lashing Points
- Non-skid Tyre chains for traction and safety
- Material Handling and Automation solutions for defence facilities
- The only Australian Made Heavy Vehicle Hoist
- 1000+ RUD components with NATO Stock Numbers (NSNs)





**RUD Group headquarters  
in Aalen, Germany**

# WHO WE ARE

## Steeped in Tradition

**Founded in Germany in 1875, the RUD Group has over 145 years of experience designing and manufacturing world-class chain solutions and lifting technologies.**

With a global workforce of more than 1700 people and 120 countries using its engineered, chain-driven products and solutions, the RUD Group has cemented its status as a world leader, providing confidence in quality, robust solutions for military operations globally.

## Focused on Innovation

In Australia, RUD has led the way in developing innovative chain systems and lifting solutions for various industrial applications, including the Australian Defence Force since 1984.

RUD has a head office in Brisbane and a branch office in Perth, as well as a national team of business specialists focused to find solutions to the unique, critical challenges our Defence Forces face.



# BUILDING STRONG PARTNERSHIPS

**The key to RUD's success in Australia is our collaborative, partnership approach with local industry. We work closely with an extensive network of like minded organisations to create defence-specific applications that are fit for purpose and will stand the test of time.**

Across the country, we have built strong, longstanding relationships with clients in the defence, infrastructure, mining, power station, quarry and engineering industries. These relationships challenge us to keep finding innovative solutions to meet their specific needs.

Having these local operations enables us to work closely with both the Australian Defence Force directly and key defence prime contractors to deliver projects.

# UNWAVERING QUALITY & SAFETY

**Quality and safety have always been critical aspects of RUD's business ethos – which is why our chain technology and lifting solutions are considered the best in the world. And why the defence industry can confidently rely on our products in the most challenging environments.**

We set clear quality standards and then implement rigorous, detailed management systems to meet these standards.

Maintaining our focus on quality and safety ensures that the defence industry can continue to trust our solutions in the harshest conditions and environments.



**Engine Lifters**



# AUSTRALIAN ENGINEERING SERVICES

**RUD Australia's in-house team of highly qualified (CPEng/RPEQ) engineers design and deliver high quality, bespoke products and solutions to many sectors, including defence, mining, power generation, manufacturing, construction, maritime and renewable energy.**

**While other companies are subcontracting their work offshore, we do it here.** We guarantee local service and support from our first contact through to design, manufacture, certification, delivery, training and commissioning.

Our solutions solve real-world industry challenges, and increase the productivity, efficiency and safety of any project.

## One location for service and support

Keeping all these areas in one location helps us deliver more cost-effective and practical solutions to defence engineering challenges.

Our specialities include:

- Lifting system design
- Product certification
- Load restraint design and service
- Materials handling solutions
- Major inspections, testing and commissioning

## Local manufacturing supporting local industry

Our Australian manufacturing team is located in a 6000m<sup>2</sup> head office, administration, warehouse and manufacturing facility in Brisbane, Queensland.

Our comprehensive manufacturing and testing solutions include:

- Horizontal tensile testing
- Vertical compression and tensile testing
- Paint facility
- Small to large fabricated products
- Robotic welding
- Hardness testing
- Non-destructive testing – MPI, dye penetrant



**RUD Australia Head Office, Brisbane QLD**



# CERTIFICATIONS & QUALITY ASSURANCE

**RUD's record of industry excellence is reflected in a rigorous internal testing system that ensures we meet – and exceed – the defence industry's stringent standards.**

All of our products and solutions meet these standards and international quality systems:

- DIN 2303 Q2 BK1 Quality Requirements for Welding of Military Products
- AS/NZS ISO 3834 Quality Requirements for Fusion Welding of Metallic Materials (Part 2)
- AS/NZS ISO 9001:2015 Quality Management Systems
- AS/NZS ISO 14001:2015 Environmental Management Systems
- AS/NZS 45001:2018 Occupational Health and Safety Management Systems
- ISO-IEC 17025 Standard Applications Document for Accreditation for Testing and Calibration Facilities
- LEEA Lifting Standards Worldwide
- NATA – National Association of Testing Authorities Australia

Globally, RUD is an approved manufacturer to many international military forces with more than 1000 NATO Stock Numbers (NSN), and is certified to DIN EN ISO 9001 and DIN EN ISO 14001, with NATO Cage Code D3800.



**Overhead Lifting Beams**



# LOAD RESTRAINT SYSTEMS

**RUD's expertise lies in designing innovative chain solutions that solve defence industry challenges.**

Our chain systems combine optimum strength with reduced size and weight to create load restraint solutions that are far superior to anything else on the market.

## **LASHING TECHNOLOGY THAT PERFORMS UNDER PRESSURE**

Our top-rated lashing systems transport defence force equipment over land, sea and air. These systems use the most advanced technology and meet the latest Australian and international standards. Our lashing systems help protect precious cargo and assets ensuring the equipment makes the journey in one piece ready for deployment.

We specialise in:

- Design and development of the lashing concept
- Customised solutions for specific transport requirements
- Systematic load securing with a coordinated selection of high-quality grade 120 chain
- Integrated pretension indicators

These lightweight systems can operate safely in all weather conditions without compromising optimal load stability and security. They perform efficiently under the most extreme and challenging situations.

Our decades of experience, combined with our local service and support, make us the first and best choice for advice on all aspects of securing loads safely.





Safe Transport Systems





Turret Lifting Devices



# CRITICAL LIFTING SOLUTIONS

**RUD is a leading designer and manufacturer of specialised lifting systems for the defence sector for both standard and specialist applications and vehicle maintenance.**

## **The first manufacturer approved for Grade 120 chain (ICE-120)**

Innovation and product development is important at RUD, being the first manufacturer globally to be approved for Grade 120 chain.

RUD ICE Grade 120 Chain offers many advantages for defence industry needs, including:

- 30% reduction in weight than grade 80 chain, with a higher lifting capacity, for easy and safe handling
- A flexible modular system that requires less transport space
- A unique RUD overload indicator that deforms before the lifting device becomes damaged
- Forged safety latches on each hook
- RUD shortening devices that do not reduce the working load limit (WLL)
- Built in wear indicators for visual inspections

RUD's ICE Chain offers ultimate strength and resilience in the harshest of environments.

## **Lifting Points to suit all applications**

RUD lifting points stand for top quality, ergonomics and safety in lifting technology and load securing.

Our extensive product range of RUD bolt-on and weld-on lifting points includes more than 600 patented lifting and lashing points - the largest range in the world. They are available for multi-directional loading in load ranges up to 250t to meet maximum requirements and contain RFID technology for tracking of inventory.

Additionally, a range of Lifting and Lashing Points have the DNV - GL Seal of Approval for the provision of lifting and lashing points suited for offshore environments.



We test and certify every product in the range to ensure it consistently meets our high standards for strength, performance and endurance.

## **RUD W-ABA weld-on points for Navy vessels**







**ENDUREQUIP**  
HOISTS  
PART OF THE BRUD GROUP



# TRANSPORT MAINTENANCE

**As a certified prime supplier for defence systems for land, air and sea vehicle equipment, we also provide maintenance equipment for defence vehicles.**

Whether it's peacekeeping missions, field studies, tactical assessments or high-risk military projects, our defence clients can rely on our transport maintenance and tyre protection solutions to help protect and extend the life of defence vehicle assets.

## EXCLUSIVE SUPPLIER OF AUSTRALIAN MADE HEAVY VEHICLE HOISTS TO THE ADF

Endurequip Hoists is a subsidiary of RUD Chains Australia. It's the only heavy vehicle hoist brand trusted by the Australian Defence Force and the only Australian-made heavy vehicle hoist manufacturer.

The Portalift® Hoist manufactured by Endurequip has a lifting capacity of 7.5 tonnes per hoist or up to 75 tonnes overall with a set of 10 hoists.

These hoists use a unique, RUD calibrated, chain-drive system, making it the safest and most robust portable hoist in Australia.

The defence industry feels confident depending on Endurequip's vehicle maintenance equipment because it is:

- Low-maintenance — fitted with uncomplicated electric circuitry and off-the-shelf components, resulting in reliable, trouble-free operation in the workshop or on deployment
- Dust-proof and water-resistant - all switches, control boxes and motors are rated IP65 for use in wash bays and extremely harsh environments

Endurequip's range of Portalift® hoists, stands and accessories are built to match the modern ADF vehicle.





# TYRE PROTECTION & TRACTION CHAINS

**RUD's tyre protection and traction chains increase the longevity of tyre wear and provide increased traction in harsh climates.**

Our resilient, non-skid ice and traction chains are developed specifically for extreme conditions, guaranteeing maximum traction on snow, ice and off-road.

Our lightweight traction chains have sturdy grip links that provide the necessary bite for military vehicles to move easily across soft sand or dirt and icy ground.

Across the globe, RUD's snow traction chains are an essential accessory in the unpredictable working environments of our various defence forces.



**Traction chains for personnel carriers.**



# MATERIAL HANDLING & DRIVE TECHNOLOGY

**RUD TECDOS round steel chain technology offers countless possibilities for lifting, rotating, and telescoping objects in the most difficult conditions and climates.**

Important for any application where there is a requirement for extremely high precision, the combination of TECDOS components and RUD round steel chain provides endless solutions to countless material handling challenges.

- In maritime environments TECDOS drive systems are ideal for harbour facilities including gangways, ship loaders and access platforms. TECDOS is also suitable for offshore installations for both above deck and subsea environments
- For plants and facilities where building infrastructure needs to change, TECDOS systems for linear movement are a reliable and robust solution. Sliding roofs, hangar doors and gates provide additional floor and height capacity suited for large production halls
- The RUD Toolmover provides an ergonomic and safe solution for rotation of heavy high value equipment

**Robust and precise movement using chain drive technology**





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