

# MACKAY DEFENCE - LAND



LAND



SEA



WEAPON SYSTEMS

## OVERVIEW

- Rubber and composites manufacturer encompassing: design, development, manufacture and through life support.
- 100% Australian family owned, with 85 years of rubber experience.
- Manufacturing locations: Australia and Thailand.

## CAPABILITIES

- Process types: Extrusion, Compression, and Injection Moulding.
- Custom fabrication with autoclave facilities (up to Ø1.8 x 6 metre).
- Moulding press capacity ranging up to 1,000 tonne, capable of producing parts 2.4 x 1.5 metre.
- Specialist hand build competency and off-site secure fits.
- In-house material formulation development, mixing and compounding.

## DISCRIMINATORS

- Technical Services: a key solution provider encompassing: mathematical modelling and product development – we do difficult.
- Expertise in rubber compound development, tailored to specific applications.
- Trusted partner of the Defence Science and Technology Group (DST Group) developing enhanced products.
- Management and protection of IP (customer and Mackay).
- DISP members and ITAR/EAR compliant with approved secure manufacturing facility.
- Key employees vetted by Australian Government Security Vetting Agency (AGSVA).
- Unique materials from globally sourced suppliers e.g. aeronautical grade materials: ablatives, pre-preg, and adhesives.
- Advanced manufacturing and assembly in environmentally controlled facility.
- NATA accredited laboratory.
- Specialist equipment: Rubber Processing Analyser (RPA) and 3D laser non-contact scanning.
- Experienced Exporter: USA, Singapore, Middle East, China, New Zealand and Europe.

## LAND PRODUCTS

- Single and dual pin tracks
- Track refurbishment
- Road wheels
- Anti-vibration mounts
- Hoses, including high temperature turbo ducts
- Bump stops
- Segmented Rubber Track (SRT)
- Track pads
- Ramp and door seals
- Engine mounts
- Rubber flooring mats
- Track tool kits
- Ballistic Shrouds

## KEY CUSTOMERS

- BAE Systems – Australia and USA
- Australian Submarine Corporation (ASC)
- Singapore Technologies Kinetics (STK)
- Capability Acquisition and Sustainment Group (CASG)
- Department of Defence (DoD)
- Thales Australia – Protected vehicles

## KEY PARTNERS

- Defence Science and Technology Group (DST Group)
- ASC: Technical Support Agency (TSA)
- Taica (Alpha GEL Products)
- Leap Australia

## QUALITY APPROVALS

- AS/NZS ISO9001:2015
- ISO/IEC 17025:2005 (NATA accredited Laboratory)
- AS/NZS ISO14001:2015

## CONTACT DETAILS

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