

Experts in design, simulation, lifecycle testing and the manufacture of advanced motion and autonomous systems. Supashock is proud to deliver tailored and innovative solutions for improved mobility, capability and safety in defence and logistics applications.

Supashock's engineering, testing and manufacturing capabilities are available respectively for consultancy, hire or service.



ISO45001

ISO 14001:2015

ISO 15614-1

ISO 3834-2

AS9100D

ISO 9001:2015

PIC Certified

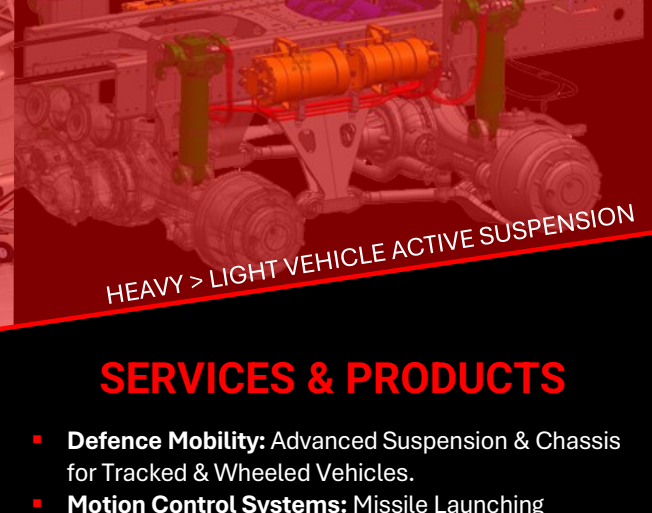
APAS 05/02

CERTIFICATIONS

- Health and Safety Management
- Environmental Management
- Metallic Welding
- Fusion Welding
- Quality Management Certification Aerospace
- Quality Management Certification
- Electronic Engineers
- Paint Certification

COMPLIANCE

- DISP Level 1, Pending level 2
- ACSC E8 Maturity Level 2
- CMMC Level 1 Compliance
- NIST 800-171 Alignment
- ISO 27001:2022 Certification in Progress



KEY CUSTOMERS & PARTNERS



CAPABILITIES

- Advanced Component Design
- Composite Design, Analysis & Manufacture
- Aerodynamic Design & Analysis
- Control Systems Design
- Physics 3D Model Generation
- Advanced Component Analysis
- Linear Implicit Finite Element Analysis
- Multi-body Simulation
- Kinematic Analysis
- Articulated & Fixed Vehicle Simulation Analysis

- Vehicle Data Logging, Analysis & Interpretation (HUMS)
- Shock Vibration & Analysis
- Software Development & Programming
- Control Systems & Code Development
- Wiring & Vehicle Harness
- Custom Sensors
- Electronic Control Units
- 3-Axis Dynamic Suspension Physical Testing Rig
- Environmental Testing Chambers
- Neutral Salt Spray Testing Chambers
- Advanced, Small & Large Scale Manufacturing
- Multi Axis High Tolerance Machining
- Fabrication

SERVICES & PRODUCTS

- **Defence Mobility:** Advanced Suspension & Chassis for Tracked & Wheeled Vehicles.
- **Motion Control Systems:** Missile Launching Platforms, Artillery to Vehicle Interfaces & Precision Stabilisation Solutions for Long Range Optical Tracking Systems.
- **Automated Logistics Handling Systems:** Bespoke or OTS Container & Flat Rack Loading System for Trucks.
- **Autonomous & Vision Systems:** Local Situational Awareness, Custom Object Detection & Multi-Role Autonomous Vehicle.
- **Advanced Crane, Davits & Bespoke Lifting Systems:** High Capability, Vehicle/Vessel Mounted Lifting Systems for Land & Sea Application.

