

RUGGED MILITARY SOLUTIONS

LAND / SEA
AIR / CYBER / SPACE

Data Respons Solutions has extensive know-how and experience with development in this sector including military standards, environmental stress factors, security and government requirements.

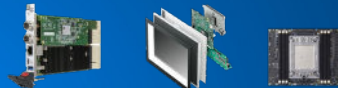
Our customers are leading global companies that supply turn-key systems to various sections of the defence industry and armed forces.



Smarter Solutions



DATA RESPONS SOLUTIONS **VALUE PROPOSITION**



Customisation based on in-depth industry know-how

- System architecture
- Hardware design
- Software development
- Custom development
- Pre-compliance/ Testing
- Extreme conditions / ruggedised connectivity
- Security
- Qualification / Certification

Proven Technology



COMPLEXITY

COMPETENCE REQUIREMENT

Rugged Communication Units & Router

Rugged portable and vehicle mounted nodes for tactical communication and vehicle mounted 19" routers



10.4" & 13.3" ultra rugged tablet

The ultra rugged tablets are built to survive in the most demanding conditions and harsh environments



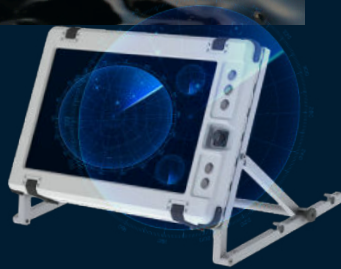
Rugged 1/2 19" Vehicle Computer Solution

Rugged SWaP-optimised vehicle computer with MIL-DTL-38999 or ODU threaded connectors



TACTICAL ICT USING AVAILABLE TECHNOLOGY to get an edge.

Rugged portable bridge display unit for harsh and demanding conditions.



RUGGED SOLUTIONS FOR EXTREME CONDITIONS

Robust sensors, secure communication, & advanced video processing and image solutions is enabling the industry to explore new areas & improve operational accuracy without compromising human lives.

- Tactical COMMS (4G / 5G)
- EDGE & IoT computers
- Servers
- AI & GPU's
- Storage
- PanelPC's
- Displays
- Tablets
- Portable
- Handhelds
- Platform mounted
- Open standards
- MIL-STD
- Rugged
- Customised



**CUSTOMISED &
RUGGED VEHICLES
COMPUTERS**



**SECURE SATELLITE
COMMUNICATION**

**ULTRA RUGGED
TABLET SOLUTIONS**



**ELECTRONICS &
EMBEDDED
TECHNOLOGY
SOLUTIONS**



**MILITARY GRADE
DEFENCE DISPLAYS
& PANEL PCs**



**4G & 5G
COMMUNICATION
SOLUTIONS**

**Customized &
extreme rugged
technology specifically
designed for state-of-the-
art defence applications**



**DEFENCE
RUGGED HANDHELD
COMPUTER**



A soldier in a VR headset with a network overlay. The soldier is wearing a VR headset and a tactical vest. The background is a blue-toned image of a soldier in a VR headset, with a network overlay of glowing blue lines and dots. The overall theme is military technology and 5G communication.

5G IS A GAME CHANGER FOR THE MILITARY

Secure wireless data communication is hugely important for the military in peace, crisis and war. 5G networks on the battlefield are being tested by military authorities around the world to enhance intelligence, surveillance, and reconnaissance (ISR) capabilities for decision-making in command and control (C2), as well as to develop and deploy new autonomous military vehicles and drones.

Combining AI and IoT with the military applications of 5G may further change the overall dynamics for overseas operation deployment and traditional territorial defense. In line with increasing digitalisation, automation & autonomation, it is crucial that the military can also exploit new technologies such as fifth-generation mobile communication. 5G is not a technology in itself but is a set of requirements, see 3GPP's 5G-NR (New Radio) standard (release 15 and later).



ENGINEERING R&D SERVICES

Data Respons Solutions offers in-house hardware and software development as a service.

Our offerings include:

- Hardware development
- Software development
- Mechanics
- FPGA
- Prototyping
- Industrialisation
- Test & verification
- Certification
- HLA
- LCM
- Midlife upgrade



PRE-COMPLIANCE TEST CENTRE

INTERNET OF THINGS &
INTERFERENCE OF THINGS

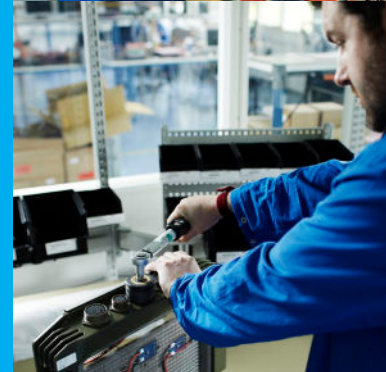
Data Respons Solutions performs High-Level Assembly (HLA), Environmental Stress Screening (ESS) and Functional tests / Burn-In of turn-key systems for OEMs.

We can test for

- MIL Standards / IPC CL 3
- Marine IMO
- Environmental test chambers
- Shakers & slip tables
- Electrostatic discharge (ESD)
- EMC Field / Radiated immunity
- EMC conducted RF immunity
- Conducted emission
- Adhesive dispensing robot

Pre-test benefits

- Detect and eliminate issues at an early stage
- Reduced cost
- Improved chances of passing accredited tests
- Make it to market



Data Respons Solutions is a high-end specialist technology company that designs, develops and delivers advanced customised embedded and IoT solutions.

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