



CAPABILITY STATEMENT

RHEON SYSTEMS | JULY 2026

Supporting Critical Assets Through Accredited Testing

Accurate, independent pressure testing and calibration you can trust.

OUR VISION

To advance Australia's sovereign testing and certification capability through technical excellence, innovation and trusted industry partnerships.

CONTENTS

COMPANY OVERVIEW	2
OUR EXPERIENCE	3
OUR APPROACH	3
SERVICES	4
SERVICE COVERAGE	5
EQUIPMENT	5
FUTURE CAPABILITY DEVELOPMENT	6
CONTACT	7

COMPANY OVERVIEW

Rheon Systems provides specialised pressure testing, calibration and asset integrity services from its Cairns-based laboratory. Established to strengthen Australia's sovereign testing capability, Rheon delivers accurate, independent and traceable results using industry-recognised methods and ISO/IEC 17025 quality systems.



What We're Known For

- Accredited pressure testing
- Traceable measurement and certification
- Industry-recognised test methods
- Supporting asset integrity and compliance

Industries We Support

- Defence
- Marine
- Government
- Industrial
- Infrastructure

OUR EXPERIENCE

Rheon Systems combines practical trade experience with engineering knowledge to deliver accurate, independent testing solutions.

- Trade-qualified technical leadership
- Marine, defence and industrial experience
- ISO/IEC 17025 quality management
- Independent testing laboratory
- Focus on precision and repeatability

OUR APPROACH

Built on Precision, Quality & Technical Integrity



Traceable Excellence

Precision-driven testing and calibration solutions



Traceable Results

Accurate, repeatable and professionally documented results



Future Capability

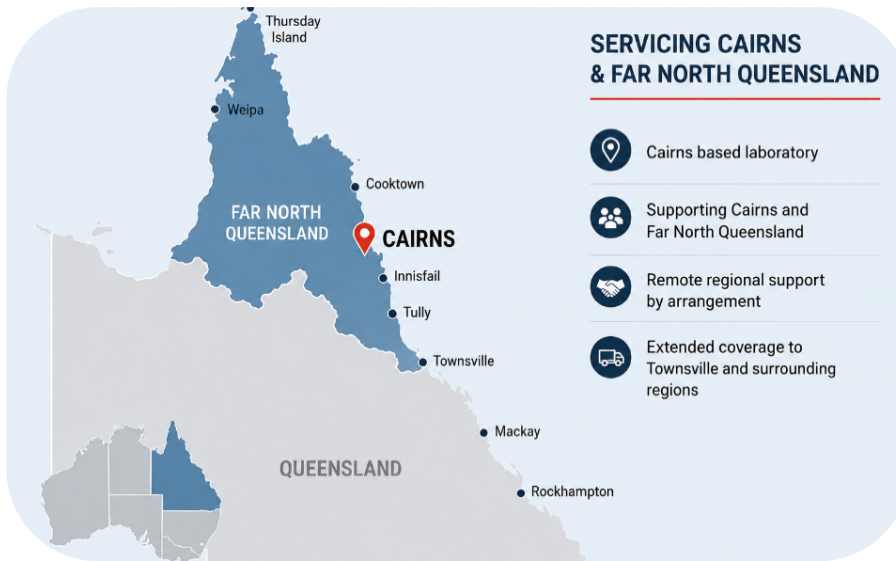
Developing advanced testing capability for the future

SERVICES

	Standard	Capability	NATA Status
Pressure Relief Valve Testing	AS1271 Clause 3.4.2	- Hydraulics relief valve pressure testing to 420 bar. - Industrial relief valve pressure testing to 50 bar - NATA endorsed Certification.	NATA Accredited
	API 527 API 576	Industrial relief valve pressure testing to 50 bar.	NATA Traceable (accreditation in progress)
Pressure Gauge Calibration	MSA Test Method 1 & 2	- Analogue Pressure gauge calibration -0.85 to 700 bar. - Digital Pressure gauge calibration -0.85 to 700 bar.	NATA Traceable (accreditation in progress)
Pressure Transducer & Switch Calibration	MSA Test Method 2	- Pressure Transducer calibration -0.85 to 700 bar & 4-20mA - Pressure Switch calibration - 0.85 to 700 bar. Set point, reset point & repeatability verification	NATA Traceable (accreditation in progress)



SERVICE COVERAGE



Operating from our Cairns-based laboratory, Rheon Systems provides services throughout Far North Queensland, with remote regional support available by arrangement.

EQUIPMENT

Laboratory Equipment

Equipment	Capability
Hydraulic Valve Test Bench	AS1271 Section 3.4.2 Testing
Industrial Valve Test Bench	AS1271 Section 3.4.2 Testing
B400/50 Industrial Valve Test Bench	AS1271, API 527 & API 576 Testing
Additel ADT927 Hydraulic Pressure Comparator	MSA Test Method 1 & 2 Testing
Additel ADT673 Advanced Digital Pressure Calibrator	Multifunction pressure calibrator with integrated electrical measurement capabilities, offering accuracy up to $\pm 0.02\%$ FS and pressure measurement up to 4,200 bar .
Additel ADT681AEX Digital Pressure/Vacuum Gauge	High-accuracy reference pressure gauge with accuracy up to $\pm 0.02\%$ FS, providing reliable pressure measurement from -1 to 20 bar .
Additel ADT681AEX Digital Pressure Gauge	High-accuracy reference pressure gauge with accuracy up to $\pm 0.02\%$ FS, providing reliable pressure measurement from 0 to 700 bar .

FUTURE CAPABILITY DEVELOPMENT

Rheon Systems is committed to the continual expansion of its NATA Accredited services and laboratory capabilities. Through support from the Australian Government's Department of Defence Sovereign Industrial Priorities Stream, Rheon is investing in advanced pressure calibration and testing infrastructure to broaden its accredited scope over the coming years.



Planned Capability Expansion:

- Pressure gauge calibration Accreditation
- Pressure transducer calibration Accreditation
- API 527 seat tightness testing Accreditation
- API 576 inspection services Accreditation
- ISO 9001- Quality Management System
- ISO14001 – Environmental Management System
- Vibration Analysis & Condition Monitoring
- Continued investment in laboratory equipment and ISO/IEC 17025 quality systems



CONTACT

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Nata Accredited Laboratory



<https://nata.com.au/accredited-organisation/rheon-systems-21776-26241/>