



ASSET CARE



**MAKING
THE
COMPLEX
SIMPLE**



WE TAKE
THE COMPLEX
**AND MAKE
IT SIMPLE**

If it's technical or complicated, and it has to be done right the first time, we're the people for you.

Learn about how we make the complex simple.

WE LIVE FOR THE CHALLENGE

SRG Global is a diversified industrial services company. We bring an engineering mindset to deliver critical services for major industry through our asset maintenance, mining services, engineering and construction and asset care businesses to solve complex problems across the entire asset lifecycle.

SRG Global was born out of Australia's greatest ever engineering and construction challenge, the Snowy Mountains Hydro-electric Scheme, in 1961. Today, we are an ASX listed company bringing a unique engineering mindset to every construction, maintenance and mining project we touch.

Our specialist technical capabilities, diversified services and global experience working on iconic skyscrapers, bridges, dams, structures, transport infrastructure, mining and oil and gas projects, means there is no complex challenge we can't resolve.

Working across the entire asset lifecycle, we provide bespoke engineer, construct and sustain solutions, meaning you only ever need one partner. We're also self-performers because our team incorporates every discipline and skill required to meet the challenges our customers set.

Few specialist services companies have amassed the same knowledge, developed as many innovations or worked on as many world-class projects as we have. As a result, we have some of the best technical minds and problem solvers, supported by a culture that encourages out of the box thinking and people working together to push boundaries on what's considered possible.

We are also relentless in the way we deliver. We know that people's lives depend on us executing with absolute precision, which is why we never compromise on our systems, processes and safety standards.

We are SRG Global and we're up for the challenge.



ASSET MAINTENANCE



MINING SERVICES



ENGINEERING & CONSTRUCTION



ASSET CARE



ENGINEERED PRODUCTS



HOW WE MAKE THE COMPLEX SIMPLE

We support clients across a broad range of industries including mining, oil and gas, renewables, steel, dairy, transport, water, utilities, defence, chemicals, processing, and manufacturing. We can mobilise teams to anywhere in the world, and we have a 60-year track record of doing so successfully.

We're at our best when taking on the technical or complicated tasks because we live for the challenge of doing it more cost effectively, sustainably, and safely.

Our difference is we live and breathe the SRG Global Way and what we stand for: Live for the challenge; Smarter together; Never give up; Have each other's backs.

**MAKING
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WHAT WE STAND FOR

Live for the challenge

We live to solve problems and have the courage to challenge the status quo and what's considered possible.

Smarter together

Individually, we're all pretty smart but when we pool our resources and work together as one, we're capable of taking on the world.

THE SRG GLOBAL WAY



Never give up

We're doers. We are resilient and relentlessly pursue excellence in everything we do. 100% accountability, zero excuses.

Have each other's backs

We're stronger as one team. We look out for each other and keep each other out of harm's way.



ASSET CARE

SRG Global is one of Australia and New Zealand's leading providers of asset reliability and integrity services. Our services and solutions assist our clients to maximise production, extend asset life and ensure safe and reliable plant

What we do

SRG Global approaches asset health from a holistic perspective, considering both asset reliability and integrity. We start with an engineering approach – seeking to understand our client's asset management or maintenance issues first – then provide the right package of services and solutions to improve and sustain asset health.

SRG Global is an ISO9001, NATA, CASA and IRATA accredited service provider. Our services include non-destructive and mechanical testing as well as engineering failure analysis and investigation services. SRG Global is dedicated to assist constructors, manufacturers, and asset owners in achieving compliance with any national or international standards and customer specifications.

The extensive experience of our people and investment in leading technologies positions us to provide reliable advice and efficient services. Our goal is to be the market leader in quality, service, and technical capability. To achieve this we have multiple, modern, metallurgical, and mechanical testing laboratories across Australia, with an excess of 600 engineers, metallurgists, inspectors, and technicians delivering our comprehensive range of services.

We have a proven track record in the power, oil and gas, petrochemical, minerals processing, mining, water, and infrastructure industries offering a comprehensive range of high-quality asset care services to help our clients make informed decisions.

Core Services

NDT

Advanced NDT

Asset Integrity

Condition Monitoring

Engineering Services

Speciality Training





NON-DESTRUCTIVE TESTING & INSPECTION

(NDT, NDE, NDI)

With several hundred technicians nationally, we provide the largest capacity and the widest capability for non-destructive testing under our NATA and ISO 9001 quality system. We provide:

Traditional NDT

- Magnetic particle, dye penetrant, eddy current, film (or traditional) radiography, ultrasonic thickness testing, weld inspection and scanning.

Advanced NDT

- Remote and enhanced visual inspection techniques
- Saturated low frequency eddy current (SLOFEC) or tank floors and piping inspection
- Magnetic flux leakage (MFL) for tank floors and flat steel plates
- MFL wire rope / cable inspection
- Pulsed eddy current (PEC) testing
- RFT - bracelet corrosion detection (CUI)
- Phased array ultrasonic testing and time of flight diffraction (PAUT/ToFD)

- Restricted Access Phased Array (RAPA)
- LRUT guided wave testing (GWT)
- Electromagnetic acoustic transducers (EMAT)
- Digital, computed, and real time radiography (DR, CR and OpenVision)
- Tube Inspection (IRIS / ET / RFT / NFA).

Remote and enhanced visual inspection techniques

- Borescope inspection
- RPA / UAV (drone inspection)
- 3D laser scanning and 3D modelling of structures, including our WearManager® service for monitoring component wear.

Services are also provided by a national team of IRATA rope access technicians where appropriate to realise the benefits of this type of access.



DRONE INSPECTIONS



ADVANCED NDT



TIME OF FLIGHT DIFFRACTION



PULSE EDDY CURRENT TESTING



COATING INSPECTION & ENGINEERING

Qualified AMPP (NACE & SSPC) coatings inspectors backed by materials and corrosion engineers to assess and specify your coatings and corrosion mitigation systems. We offer:

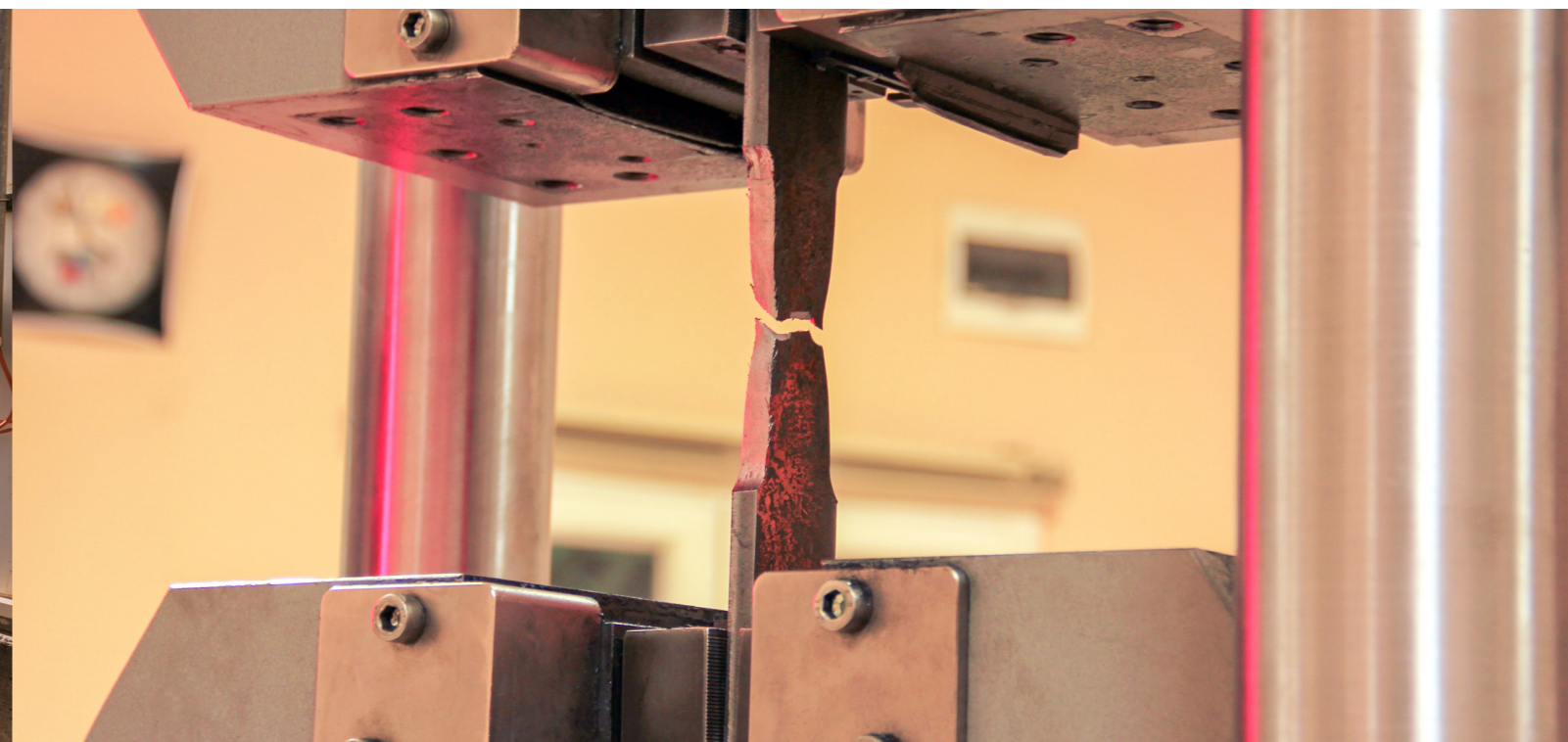
- Specification and selection of protective coating systems
- Corrosion assessment and investigations
- Surface condition assessment (rust grade, chloride ion content, etc)
- Surface preparation inspections (profile, cleanliness)
- Coating application inspections (component mixing, wet and dry film thickness, adhesion testing, holiday testing)
- Coating system failure investigations
- Coating system repairs and maintenance strategies.



MECHANICAL, PRODUCT & DESTRUCTIVE TESTING

Market leading destructive testing labs allow us to test a broad range of products to multiple standards under NATA and ISO accreditations. We provide:

- Tensile testing
- Impact testing
- Hardness testing
- Chemical analysis by OES , XRF and EDS (through scanning electron microscopy SEM), including carbon equivalent assessment
- Comprehensive welder compliance testing, including all tests for procedure and welder qualification (PQR, WPS), macros, bends, and more
- Load testing of consumer products to International and Australian standards, including sample conditioning in many cases
- Fatigue and fracture mechanics tests.





ASSET INTEGRITY

Pressure equipment, boilers, vessels, pipes and tank inspections

Tanks, pipes, and vessels are critical assets requiring specialty skills, experience, and techniques. SRG Global provides the following services:

- Certified Inspectors (API, AICIP as applicable)
- Development of inspection and test plans using risk-based inspection principles
- Advanced and traditional techniques (refer to non-destructive testing and inspection techniques), used and optimised for efficient tank inspection
- Remaining life assessment
- Materials consulting and advice
- Failure investigation
- Corrosion mapping
- Design review verification and registration.

Training

As an approved training body with AINDT, SRG Global provides a range of accredited and informational training courses for our SRG personnel and bespoke courses delivered for our customers, across the disciplines of:

- Non-destructive testing
- Vibration analysis
- Reliability based condition monitoring.

Our courses are delivered by highly experienced industry professionals and come with pre and post course support programs, ensuring our technicians are industry leading.

Weld inspection & engineering

SRG Global assists with weld inspection and engineering services to ensure your welding projects are effectively executed. Our services include:

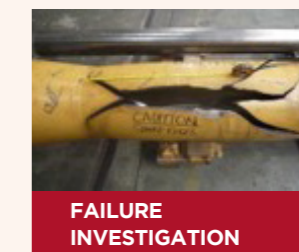
- Qualified Welding Supervision / Inspection personnel ranging from Welding Inspectors through to Welding Engineers with a range of Australian and International Qualifications
- Weld process quality control audits
- Traditional and advanced NDT of welds to numerous standards
- Welding materials selection advice
- Weld repair strategy and approach
- Mechanical testing of welds
- Weld procedure qualification testing and supervision
- Welder qualification testing and supervision
- PQR / WPS / pWPS documentation development
- Material Identification (Mechanical Properties / Chemistry / Carbon Equivalent) for Weld Repair procedure purposes.



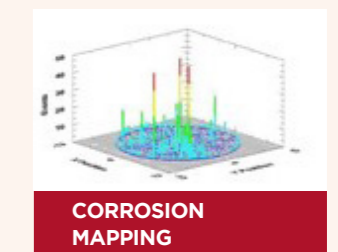
WELD INSPECTIONS



VESSEL INSPECTION



FAILURE INVESTIGATION



CORROSION MAPPING



RELIABILITY SERVICES & CONDITION MONITORING

Our team of technicians and engineers comprehensively cover reliability services and condition monitoring.

We offer a suite of services, including:

- Vibration analysis (online and periodic, including wireless remote monitoring)
- Infra-red thermography of mechanical and electrical assets, including leak detection
- Oil analysis
- Performance monitoring
- Acceptance testing of gearboxes, pumps and motors
- Contact and non-contact vibration measurement
- Ultrasound inspection and analysis
- Lubrication services including auditing (to ICML 55.1 guidelines) program setup and lubrication service for fixed plant.

These are supported by practical corrective services including:

- Laser alignment
- Dynamic balancing.

We also conduct reliability and condition monitoring optimisation studies, including:

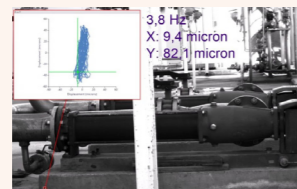
- Design, implementation and auditing of condition monitoring programs for Proactive Maintenance (PdM) strategies
- Design of optimised inspections programs based on ISO, AS, and API standards
- Failure Modes and Symptoms Analysis (FMSA)
- Data visualisation, dashboarding and contextual reporting.

Our complementary services include:

- Traditional and advanced non-destructive testing and failure analysis to correlate failures to condition monitoring analysis (for more information refer "non-destructive testing & inspection techniques")
- Finite Element Analysis (FEA), strain gauging, fatigue life & system dynamics analysis (for more information refer "Engineering and Materials Consulting")
- Qualified and experienced visual inspection by enhanced monitoring and access technologies, including 3D laser scanning, RPA / UAV (drones) and rope access (IRATA).



LASER ALIGNMENT & DYNAMIC BALANCING



MOTION AMPLIFICATIONS



THERMOGRAPHY



VIBRATION ANALYSIS



ENGINEERING SERVICES

Risk-based inspection

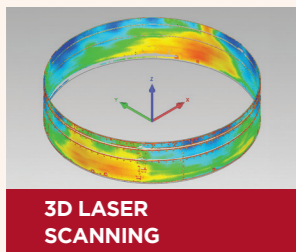
Standards can allow opportunities to move outside of 'statutory' inspection intervals under sound engineering analysis. Our engineers can help you access these benefits through:

- Assessment of the merit(s) of risk-based inspection (RBI) programs for your industrial assets
- Documented risk assessment approach to validate outcomes
- Implementation of RBI methods and programs
- Review and implementation of non-intrusive inspection programs (NII), inspecting assets without internal entry
- Development of preparation, inspection, and test plans (PITP) for your assets based on RBI analysis.

Civil / structural inspection & engineering

Backed by experienced principal engineers, we can assist in designing effective programs for understanding the condition of your structures:

- Risk-based condition assessment of steel and concrete structures
- Assessment of cause(s) of failure of structures
- Assistance with repair strategy and approaches
- Structural design, reviews and certifications
- Finite Element Analysis (FEA) of structures
- 3D Laser Scanning, both to understand changes in condition and to reverse engineer asset information in absence of detailed drawings
- Structural vibration assessment
- Corrosion assessment
- Durability assessment of concrete structures.



3D LASER SCANNING



STRAIN GAUGE MEASUREMENTS



CORROSION INVESTIGATIONS



VISUAL INSPECTION



ENGINEERING SERVICES

Engineering & materials consulting

We hold expertise in the disciplines of mechanical, civil, structural, and materials engineering to provide you with the right answers. Our services include:

- Assessment of remaining life of assets, including high pressure / temperature service equipment with or without defects (including our Remlife® software system)
- Assessment of damage mechanisms in operating components to prepare for optimal inspection programs
- Materials selection, review and advice and selection of materials to replace damaged items (materials interchangeability)
- Materials characterisation via metallography, using in-house optical and scanning electron microscopes (SEM)
- Materials characterisation via Attenuated Total Reflectance FTIR (ATR / FTIR) for polymeric materials
- Failure and root cause analysis
- Stress assessment through strain gauging and finite element modelling (FEA)
- Expert witness services through our network of principal consultants
- Positive Material Identification (PMI) and other site materials assessment services, including portable hardness testing and replication

- Corrosion assessments
- Materials characterisation via Attenuated Total Reflectance FTIR (ATR / FTIR) for characterisation of polymeric materials.

Concrete testing & assessment

Market leading destructive and non-destructive testing of concrete to fully understand the condition of concrete structural elements. Our testing services include:

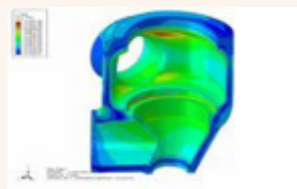
- Impact echo testing
- Full incremental chemical analysis including depth of chloride and sulfate ingress analysis
- Ground Penetrating Radar (GPR)
- Ultrasonic Pulse Velocity (UPV)
- Cover meter testing
- Carbonation and chloride ion level testing of concrete
- Cement content determination of concrete
- Corrosion testing and assessment of reinforced concrete
- Concrete contamination ingress modelling
- Schmidt hammer.



FAILURE & ROOT CAUSE ANALYSIS



TENSILE TESTING



REMAINING LIFE ASSESSMENT



POSITIVE MATERIAL IDENTIFICATION

OUR LOCATIONS

Regional Centres

BRISBANE
7 Brisbane Road
Riverview QLD 4303
P +61 7 3816 5500
ac.brisbane@srgglobal.net.au

MELBOURNE
450 Dynon Road
West Melbourne VIC 3003
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PERTH
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Branch Locations

QUEENSLAND
Gladstone
Mackay
Emerald
Roma
Moranbah

VICTORIA
Traralgon

WESTERN AUSTRALIA
Kalgoorlie

NEW SOUTH WALES
Singleton





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