

# CAPABILITY STATEMENT

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- Testing
- Inspection
- Monitoring
- Industrial Services



# CONTENTS

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About Us

04

Testing

06

Inspection

09

Monitoring

12

Industrial Services

14

Quality & Safety

18







# ABOUT US

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APTS provides Testing, Inspection, Monitoring, and Industrial Services during the design, construction, commissioning, operations, and decommissioning phases of industry projects.

- / Focused on providing an extensive range of services to a broad group of industries, APTS has established a reputation for service excellence across Oil and Gas, Construction, Mining, Power, Defence, and Water Treatment industries. By combining our services, we have the ability to create unique packages and turnkey solutions, adding value in keeping industrial assets safe and efficient.
- / NATA and DNV accredited, we meet our clients' needs and surpass their expectations on and off-site. HSE and Quality are vital considerations for all works undertaken, whilst continually striving for improvement across all operations.
- / Our drive for innovation and for providing effective, practical solutions, results in our ability to bring new technologies to the forefront of the Australian market.



# TESTING

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APTS has an extensive range of equipment to meet our clients' pressure testing requirements and related needs, providing an extensive number of services both on and off-site.

In addition to our Workshop facilities, APTS has fully equipped mobile testing and certification facilities. This mobile service provides clients with the convenience of onsite PSV/PRV Certification, which can save time and money when compared to testing and certification off-site.

Providing industry leading capabilities, with an extensive range of in-service and compliance NDT and Inspection techniques, APTS maintains a strong focus on planning, timing and execution.

Unique to Australia, is our innovative service to conduct on-site testing of HDPE electrofusion couplings, HDPE pipeline fusion welds and equipment by means of Microwave Interferometry.

## ***Our services include:***

- Pressure Testing
  - Hydro
  - Pneumatic
- Leak Testing
- PSV Testing, Calibration and Certification
  - Valves
- Non Destructive Testing
  - X-Ray and Gamma Radiography
  - Eddy Current
  - Ultrasonic
  - Magnetic
  - Dye Penetrant
  - Positive Materials Identification
  - Ferrite
  - Hardness
- Detection of Corrosion Under Insulation
  - OpenVision/Go Scan C-View
  - PECT
- Microwave Inspection of Non-Metallic Materials
- Pressure Instrument Calibrations







# INSPECTION

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Our experience in inspection, together with our extensive knowledge of Australian and international standards, assists our clients by supplying the best personnel and techniques available to ensure the safe and reliable availability of their assets. Whether it is for piping, vessels, or storage tanks, the APTS team of people come from a diverse background, and have extensive knowledge in methods, acceptance requirements, materials/process, and can assist a multitude of industries.

APTS has created strategic partnerships that allow us to provide turnkey solutions for state-of-the-art ultrasonic pigging inspections of difficult or un-piggable pipelines, as well as perform robotic tank floor inspections without the need to empty or clean the tank.

## ***Our services include:***

- Inspection Engineering and Asset Integrity Management
- Tank Inspection
- Weld Inspection
- QA/QC Inspection
- Intelligent Pigging
- Robotic Tank Floor Inspection

A photograph of an industrial refinery or chemical plant. In the foreground, there are numerous parallel pipes running across a metal walkway. In the background, two tall distillation columns with ladders and platforms are visible. The sky is a mix of blue and orange, suggesting a sunset or sunrise. The overall scene is industrial and complex.

“

**Safe. Reliable.  
Competent.**

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# MONITORING

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Condition Monitoring is a key consideration and major component of predictive maintenance. Our extensively experienced Condition Monitoring team supply the most effective evaluation of overall asset health condition based on ISO 17359 – Condition Monitoring and Diagnosis of Machines.

## ***The benefits of Condition Monitoring include:***

- Optimisation of maintenance costs
- Increased machinery lifespan
- Maximise production output
- Improve plant safety



## ***Our services include:***

- Vibration Analysis
  - Online Vibration & Process Monitoring
  - Wireless Vibration & Process Monitoring
  - Motors, Fans, Pumps
  - Gearboxes
  - Vibrating screens
  - Conveyor pulley bearings
  - Compressors, Turbines
  - Crushers (Jaw & Cone)
- IR Thermography
  - Mechanical Installations & rotating equipment
  - Tanks & process pipelines
  - Electrical installations, Transformer Bays, MCC's & DB boards fault detection
  - Building Thermography
- Ultrasound
  - Mechanical Condition Monitoring
  - Bearing Lubrication Monitoring
  - Air & Gas leak detection
  - Tightness testing
  - Electrical equipment fault detection
  - Steam trap testing and maintenance
  - Valve condition monitoring
- Laser Alignment
  - Motors, Pumps
  - Cardan shafts
  - Gearboxes
  - Multi machine trains
  - Multi couplings
- Dynamic & Static Balancing
  - Fans
  - Impellers
  - Centrifuges
- Motion Amplification
  - Vibration troubleshooting
- Assistance/Implementation of Condition Monitoring Programs
- Lubrication Audits



# INDUSTRIAL SERVICES

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## *Shutdown & Maintenance Services*

APTS offers general and specialist shutdown and maintenance services that are time-critical, ensuring safe and efficient operations of the clients' assets.

This includes Chemical Cleaning, an efficient and cost-effective way to remove corrosion, deposits, residual oils/grease, and other obtrusive contaminants from tainted surfaces.

APTS also offers specialist Nitrogen services, for a variety of applications ranging from individual components to entire plants. This includes, but is not limited to; Nitrogen Purging and Blanketing, Drying, Pigging, and Leak Testing. We also offer Helium Leak detection, with the addition of 1% Helium to Nitrogen which forms an extremely effective medium for leak detection.





## ***Our services include:***

- Flange Management
- Pressure Relief Valves
- Heat Exchanger Services
- Chemical Cleaning and Passivation
- Nitrogen Purging
- Nitrogen Drying
- Leak and Pressure Testing
- Reactor Hot Stripping
- Reactor Cooldown Services
- Sludge Profiling
- Remote Tank Cleaning (Non-Man Entry)
- Oil Flushing



## ***Pre/De-Commissioning Services***

APTS assists clients to achieve their goal of a safe and leak-free start up by offering pressure and leak testing services on isolated asset items, or entire plants. Our technical teams have many years of experience in all facets of pipeline testing and related activities, ensuring all jobs are completed to the highest standard.

APTS also provides testing solutions for in-service pipelines such as airport fuel pipelines and jetty fuel pipelines that require re-certification or periodic inspection at regular intervals.





## ***Our services include:***

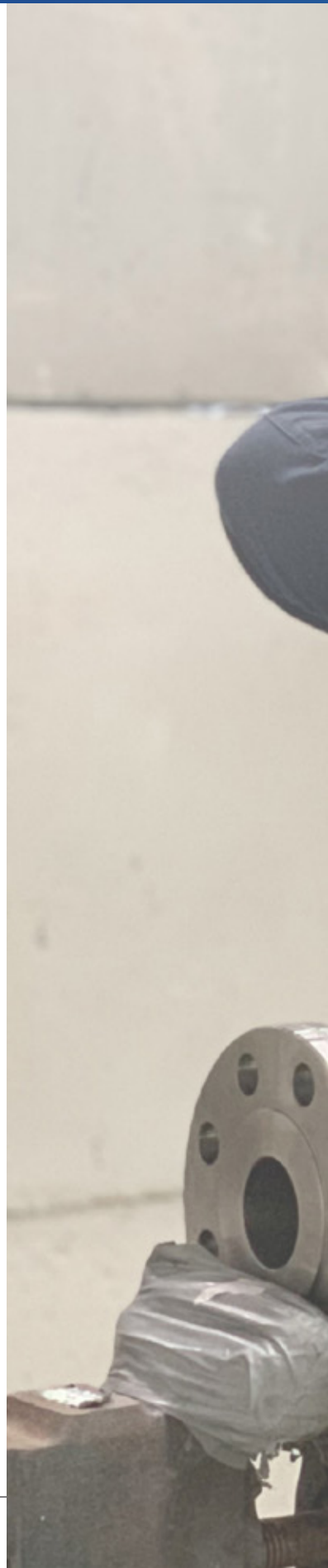
- Air Blowing
- Pneumatic Leak Testing
- Bolt Torquing and Tensioning
- Helium Leak Testing
- Nitrogen Foam Inerting
- Nitrogen Blanketing
- Dewatering
- Gauge Pigging
- Air Drying
- Vacuum Drying
- Pipeline Cleaning and Pigging

# QUALITY & SAFETY

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APTS has been granted NATA and DNV accreditation for operating a Quality Management System that complies with the requirements of ISO/IEC 17025, ISO/IEC 17020, ISO 9001, ISO 14001, and ISO 45001, allowing all systems to seamlessly integrate with those of our clients.

APTS' foremost priority is to our team, our clients, the community, and surrounding environment in every aspect of our operations. Health, Safety, and Quality are key drivers that underpin our approach to all projects undertaken, adopting a Zero Harm outcome approach.









## **WESTERN AUSTRALIA**

(Head Office, Workshop & Calibration Laboratory)  
+ 61 (08) 9412 1500  
[info@apts.com.au](mailto:info@apts.com.au)

39 Success Way  
Henderson WA 6166

## **QUEENSLAND**

(East Coast Workshop)  
+ 61 (07) 3505 5155  
[info@apts.com.au](mailto:info@apts.com.au)

57 Machinery Street  
Darra QLD 4076

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[www.apts.com.au](http://www.apts.com.au)