



HEATH PIPELINE SERVICES PTY LTD CAPABILITIES STATEMENT

EXCLUSIVE AUSTRALIAN SUPPLIER
RENT ... LEASE ... BUY

SURVEY SPECIALISTS
GAS LEAKS... FUGITIVE EMISSIONS ... RIGHT OF WAY

INDUSTRY TRAINERS
OPERATOR & SITE SAFETY MANAGER ... VALVE INTEGRITY



KEY CONTACTS

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HEATH SERVICES, CAPABILITIES

Heath Services has served gas and oil providers located in Australia, New Zealand and Papua New Guinea for more than 50 years.

We are proud to service a number of long-standing agreements with Australian gas providers and exclusive distribution agreements for internationally recognised brands.

FIELD AND PROFESSIONAL SERVICES

We provide in-field and professional consultancy services. Operating under a sustainability framework designed to map to client requirements, we provide various survey and industry training solutions.

SPECIALIST SURVEYS

- Gas leak detection— Above and below ground pipelines (associated infrastructure), well heads, gathering systems, and compounds i.e. compression and sales stations
- Fugitive emission surveys
- Right of Way surveys (ROW)
- Odorant testing
- F-class testing
- Valve servicing

INDUSTRY TRAINING COURSES

- Safety Management Systems (SMS) and auditing facilities for compliance (a mandatory part of the requirements for a compliant SMS)
- Risk Assessment of facilities (a requirement of a compliant SMS)
- Training courses for: Operator and Site Safety Manager, Valve Integrity

EQUIPMENT RENT, LEASE OR BUY

We are a distributor of choice for world leading brands, delivering increased accuracy, safety and productivity to our clients.

Our clients can **RENT, LEASE** or **BUY** equipment including GMI gas detectors, Heath gas detectors, Opgal OGI cameras and Sealweld lubes, fittings and pumps.

CALIBRATIONS

We provide authorised calibrations and repairs for GMI and Heath gas detectors.



IMAGE 2017: RMLD UAV DRONE developed by Heath Consultants Inc., Princeton University & Physical Sciences Inc. - an autonomous, natural gas leak detecting, locating, quantifying and reporting system.





EXCLUSIVE AUSTRALIAN SUPPLIER

RENT ... LEASE ... BUY

GMI: PORTABLE, CGI, INFRARED, GAS DETECTORS



GMI is a world leader in high-quality and innovative portable gas detectors, specifically designed for the oil and gas, chemical and shipping industries worldwide.

Heath Services is proud to be an exclusive distributor of a wide range of gas detectors including: the 500 series (the brick), 700 series (new design), GT series, PS200 series, PS500 series and training tools.



GMI: HYDROGEN GAS DETECTOR – METHANE, 100% HYDROGEN & BLENDS

ALL-IN-ONE GAS DETECTOR FOR HYDROGEN, METHANE AND HYDROGEN BLENDS

The ATEX certified GS700-Hydrogen is highly configurable with a user-friendly interface allowing exceptional flexibility and performance to be delivered with ease. This versatility makes the GS700-Hydrogen the ideal choice for a wide range of natural gas or hydrogen applications including surveying, outdoor and indoor leak detection, purging and barholing.

Achieve safety and peace of mind effortlessly.

A TOOL FOR COMPLIANCE ...

Intelligent data-logging functionality together with optional GPS mapping simplifies data gathering. Our Instrument Management System improves fleet management by providing access to field usage reports, calibration history, investigation mapping and many other bespoke reports; making it easier for our customers to demonstrate compliance.





EXCLUSIVE AUSTRALIAN SUPPLIER

RENT ... LEASE ... BUY

HEATH: FID, LASER, INFRARED, GAS DETECTORS



Heath's innovative products lead to safer survey practices for both gas utilities and within our own field services division. Heath USA research and develop new products including: Laser detectors (the RMLD and RMLD-CS), FID detectors (the DP4), Infrared detectors (the DPIP +), Odorant testing (the OD2) and Vehicle mounted detectors (the Discover AMLD).



SEALWELD: LUBES, CLEANERS, PUMPS AND FITTINGS



Within Australia we are proud to represent Sealweld Valve Sealing and Pipeline Valve products, including:

- Mongoose – small frame, manual injection pump
- SuperGun® Screw-Primed Pump
- Activ-8 pump
- Flow wolf fittings
- Adaptor kits
- Ball Valve Sealant #5050
- Equa-Lube Eighty
- Total-Lube #911
- Valve Cleaner Plus



EXCLUSIVE AUSTRALIAN SUPPLIER

NEW TO MARKET – HEATH AMLD DISCOVER

NEXT GENERATION GAS DETECTION



Discover AMLD is manufactured by Heath USA and is an open-air fixed path Mid-IR Tunable Diode Laser Absorption Spectroscopy (TDLAS). Resolution is in the parts per billion (ppb) range for both methane and ethane. (Ethane detection aids in determining whether a detection is pipeline gas or naturally occurring biogas.)

The Discover AMLD system consists of a detector, GPS, anemometer and proprietary software loaded onto a computer/tablet. **The system is portable** and can fit a variety of vehicles.

The Discover AMLD analytic method improves the reduction of false positives and increases the accuracy of detection. Field testing has shown a greater than 95% probability of gas leak detection. The Discover AMLD’s Graphical User Interface (GUI) streams your data directly to the secured cloud which can analyse and process the data in real-time to produce actionable reports.

<p>Gases Detected</p> <ul style="list-style-type: none"> • Simultaneous detection of methane and ethane <p>Sensor Technology</p> <ul style="list-style-type: none"> • Open-air fixed path Mid-IR TDLAS <p>Sensitivity & Resolution</p> <ul style="list-style-type: none"> • Methane: < 100 PPB at 10 Hz, < 30 PPB at 1 Hz • Ethane: < 15 PPB at 10 Hz, < 5 PPB at 1 Hz <p>Selectivity</p> <ul style="list-style-type: none"> • No cross-sensitivity to humidity, other hydrocarbons or industrial gases <p>Response Time</p> <ul style="list-style-type: none"> • Sample frequency of 100 Hz, data update rate of 10 Hz Accuracy ±10% of reading for methane/ethane in natural gas, ±50% for quantification <p>Calibration</p> <ul style="list-style-type: none"> • Field calibration using self-test with a natural gas calibration cell 	<p>GPS</p> <ul style="list-style-type: none"> • GNSS-INS system at 10 Hz, < 1 m accuracy, inertial navigation <p>Battery & Display</p> <ul style="list-style-type: none"> • All sensors powered with re-chargeable batteries (8-10 hr life) Rugged Windows-10 vehicle mounted tablet with HD display <p>Data & Connections</p> <ul style="list-style-type: none"> • Robust Bluetooth 5 (BLE) Full suite cloud based • Leak Survey Analytics (LSA) <p>User Interface & Reports</p> <ul style="list-style-type: none"> • Simple intuitive and graphics rich touch screen operation • Real-time leak detection • Post-processed leak detection and leak localization • Leak survey coverage area • Emission quantification
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EXCLUSIVE AUSTRALIAN SUPPLIER

NEW TO MARKET – ADDGLOBE GAS FLOW METER 2.0

OGMP DIRECT FLOW MEASUREMENT



The GFM 2.0 is the next generation High Volume Sampler designed for EPA compliance with 0000b, suitable for OGMP 2.0 level 4 and 5 source measurements. Unique features include:

- Class I, Div 2 hazardous area certified
- The most portable, lightweight flow sampler = 4.2kg
- Smart IR sensor block and filter design allowing end-user maintenance
- Ships with new fittings, adapts to your old Bacharach fittings

The GFM 2.0 is manufactured by ADDGLOBE USA, leading supplier of the Bacharach Sampler for 17 years.

OPGAL: OGI (OPTICAL GAS IMAGING) CAMERAS



Opgal is a leading manufacturer of infrared thermal cameras and solutions for HLS, Security and Industrial markets and Defence. We use and recommend the EyeCGas 2.0 for the identification of fugitive emissions.

EyeCGas 2.0 is the world's most sensitive handheld Optical Gas Imaging (OGI) camera. It quickly identifies fugitive gas emissions for over 400 hydrocarbon and VOC gases. Including Methane and CO2. EyeCGas 2.0 is Intrinsically Safe and complies with the EPA's "Quad Oa" (OOOOa) regulations.



EXCLUSIVE AUSTRALIAN SUPPLIER

AUTHORISED CALIBRATION AND REPAIR SERVICES

FREE HEALTH CHECKS

We provide FREE HEALTH CHECKS for any GMI or Heath gas detector.

This is a completely free service designed to enhance safety in the field through improved equipment maintenance. Our eight point HEALTH CHECK verifies the condition of your gas detector including: calibration validity, filter condition, battery condition, flow leak check, range change check, specific fault diagnosis, aging of your device and external inspection.

MANUFACTURER AND NATA CALIBRATIONS



Within Australia, we are the authorised service and repair agent for GMI and Heath gas leak detection equipment. We have negotiated extended service agreements with agents located in Queensland, Victoria South Australia and Western Australia to ensure our clients can access manufacturer or NATA certified calibrations on local turnaround times.

We also assist clients with establishing in-house bump testing and calibration facilities.

NETWORK OF PARTNERS

Throughout Australia we have established relationships with a network of calibration agents to provide manufacturer and / or Nata certified calibrations. Our customers can send GMI gas detectors to our partners and be assured of quality outcomes.

Simtars - Resources Safety & Health Queensland (<https://www.rshq.qld.gov.au/simtars>)

- Simtars specialises in continuous improvement of solutions for health and safety training, research, testing and environmental needs for the resources ...

Intura (<https://www.intura.com.au>)

- Intura delivers cost effective fit-for-future solutions for electrical, instrumentation, mechanical and compliance across the energy and resource sectors.

Vipac Engineers (<https://www.vipac.com.au>)

Gas Technology Services (GTS), a subsidiary of Vipac Engineers and Scientists, is an industry leader in providing support services to the Australasian gas ...

Gastech Australia (<https://gastech.com>)

Gas Detection Systems by GasTech Australia. Portable and Fixed Gas Detectors, Flame Detectors, Gas Monitors and Emission Analysers for Australia.



SURVEY SPECIALISTS

GAS LEAK AND FUGITIVE EMISSIONS ... RIGHT OF WAY

ABOVE AND BELOW GROUND PIPELINES (ASSOCIATED INFRASTRUCTURE), WELL HEADS, GATHERING SYSTEMS, LANDFILL AND CONTAMINATED LAND



Heath Pipeline Services Pty Ltd performs FUGITIVE EMISSION and RIGHT OF WAY SURVEYS in accordance with Australian standards, relevant legislation and codes of practice. We have developed Standard Operating Procedures (SOP's) that clearly describe the services we provide. However we do adapt our procedures to meet client requirements, where full consultation and planning has taken place. Typically we survey above and below ground pipelines, well heads, gathering systems, landfill, contaminated land and associated infrastructure.

When performing surveys an experienced one, two or three man team, will survey facilities/infrastructure as described by SOP's and client directions. We provide walking, driving and aerial surveys, depending on terrain and safety considerations.

Upon completion of a survey we produce a written report, ordinarily covering:

- Summary of results
- Instrument calibration details
- Safety vehicle details
- Survey procedures
- Daily reports
- Report data
- Scope and coverage
- Classified leak lists
- Reports for facilities, including GPS coordinates
- Right of way report
- Geospatial PDF's suitable for incorporation into client system
- HD video, thermal video, still images
- Infrared video
- Other information as may be requested by our client

Our consultants are highly trained and utilise the most appropriate equipment, achieving accurate, productive, and safe surveys for our clients. The types of equipment available for surveys include:

- A variety of UAV's fitted with cameras
- Gas cameras (Opgal)
- Gas detectors (GMI, Heath) – Confined space, Combustible gas, FID, Infrared, Personal, VOC, Odour testing, Laser / Remote and Vehicle mounted
- Fugitive emissions sampling equipment (Heath, Opgal)
- Pipe locators (Heath)
- Proprietary software
- Thermal cameras

INDUSTRY TRAINING

OPERATOR & SITE SAFETY MANAGER ... VALVE INTEGRITY

TRAINING – OPERATOR & SITE SAFETY MANAGER

To be a COMPLIANT operator in Queensland, section 670 of the Petroleum and Gas (Production and Safety) Regulation 2004 and to comply Australia wide with AS/NZS 4645 requires a Safety Management System (SMS) be written specifically for your Operating Plant.

Operating Plant is described in section 670(2) but typically consists of:

- Any plant consuming more than 50GJ/hr of gas
- A distribution pipeline or system
- A bulk fuel gas storage facility

HEATH SERVICES offer a suite of services to those responsible for operating plant including:

- Developing and writing Safety Management Systems (SMS)
- Auditing facilities for compliance (a mandatory part of the requirements for a compliant SMS)
- Risk Assessment of facilities (a requirement of a compliant SMS)

Training for the positions of Operator and Site Safety Manager to understand statutory obligations and responsibilities of their roles

VALVE INTEGRITY (VALVE SCHOOL)



Our Valve Integrity training course has been designed to help students acquire advanced knowledge of valve components and functions through 1.5 days of accelerated, theoretical instruction. We deliver training at your site and go into your field to practice, developing hands-on skills for correct valve maintenance techniques. We cover off on ball, gate, plug and globe valves.

Through our training students learn to maintain valves, improving life span and pipeline integrity. They learn how to:

- Seal valves
- Use sealant injection equipment
- Service valves using correct procedures
- Troubleshoot leaking valves

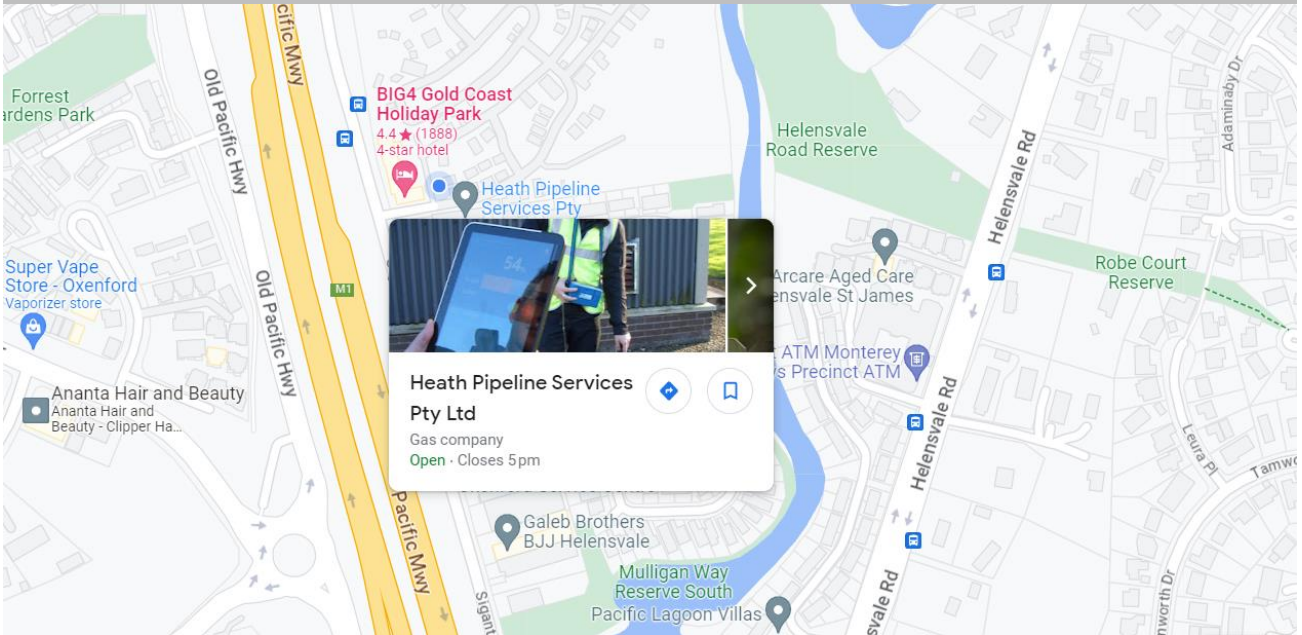
As always we focus on safety ensuring students demonstrate an awareness of potentially hazardous situations including:

- How to read a pressure gauge
- Dangerous fittings
- Inline pressure
- Sour gas (H₂S)
- Pipeline integrity
- Potential damage to environment



CONTACT US

HEAD OFFICE



ADMIN & TRAINING ROOMS

- Unit 1, 64 Siganto Drive, Helensvale QLD 4212

WAREHOUSE / DROP OFF POINT

- Kings Storage, Unit 39, 128 Siganto Drive, Helensvale QLD 4212

POSTAL ADDRESS

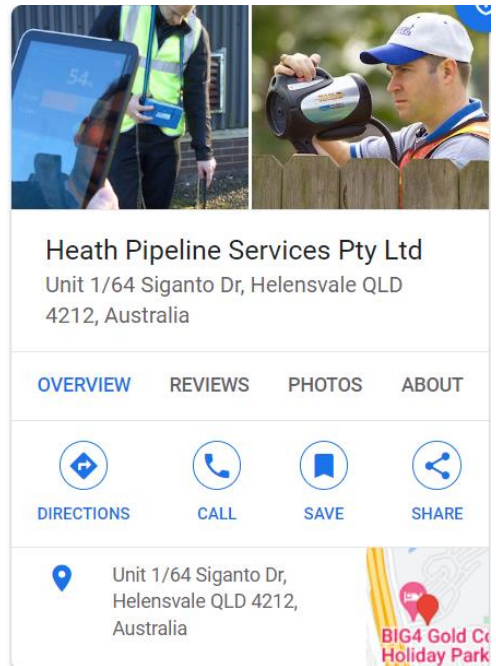
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