

# CORPORATE PROFILE





## CEO Message



It's an exciting time for Rutledge and its people as the company continues to grow. We have used our comprehensive understanding of H<sub>2</sub>S gleaned from decades of experience as a leading certified safety service provider, to develop a comprehensive suite of services surrounding the needs of H<sub>2</sub>S in the oilfield. We have brought the Rutledge quality of service to the prevention, detection, protection and elimination of H<sub>2</sub>S in every segment and operation of the Oil and Gas sector. We endeavour to provide our clients with effective, bespoke, solutions for any of their needs.

To these new vistas we bring old values – we at Rutledge are proud of our impeccable safety record, and that commitment will always come first, no matter what services we provide. Our safety services continue to keep communities warned of early releases of toxic gases and offer evacuation options under various circumstances.

To this we add sensitivity to the specific needs of our clients, wherever in the world they may be. We operate in extreme weather conditions, from the Arctic to the deserts of the Middle East, and are aware that good solutions go beyond the operational, and depend on understanding people, their organisations and being sensitive to client objectives. This has led us to prioritise the localisation of our services. We believe that enhancing the national content of the service we provide is a way to engage better with both our clients and the community. In some countries, our nationalisation reached 100% within a year or two of our operations.

As we look forward to the next stage in our growth, we remain a progressive company – investing in Research and Development and on the constant look out for new services to offer our clients.

We are proud of who we are – and look forward to providing you with a broader suite of services under the Rutledge name.

  
ANNE JOSEPH



## history

Rutledge was birthed three decades ago as a company servicing the oilfield. This is our 33rd year and celebrations have been ongoing in several of our international bases.

Armed with a rich history and capable managers, the company has built on its good reputation and extended the reach of the company throughout Asia. Over the past decade, the company has increased its suite of services and product offerings to our customers. Our clientele have grown and especially through our services outside upstream oil and gas.

A stated aim of Rutledge is to continuously win the confidence of our

customers and exceed their expectations. We wish to achieve this through innovation and technology. Our ability to continually offer services that win customer confidence is key to remain as a preferred service provider. A new technology it offers is in the Non-Destructive Testing using acoustic wave to evaluate the integrity of tubes such as in heat exchangers, boilers, chillers and reactors.

As we open up new bases and widen our sphere of operations, it is important that we standardize the services we provide across the globe. This we aim to achieve through tighter policies, procedures and audits alongside an effective HSEQ management system.

Rutledge values its staff that has worked hard to uphold its reputation in the market place. Many have received long service awards and many others are instrumental for our success through the years.

Started with Detection and Protection of people in a hazardous environment, we offer add on services such as Elimination of H<sub>2</sub>S. Rutledge is relentless in its search to support our customers with new products and services.



## philosophy

Rutledge is head quartered in Singapore. The company has taken advantage of Singapore's history as a trading hub, its connectivity and quality business environment to build itself a name in the industry. Rutledge is contributing to this economy by providing employment. It considers it an honor to be able to pay taxes here.

Entrenched in Rutledge's belief is the necessity to uplift humanity along with our corporate growth. It participates in projects that improve society and where possible, in the nations where we do business.



## vision

To be the preferred safety service provider to the oil and gas, petrochemical and marine industries, and to continually improve to achieve customer satisfaction.



## mission

To provide our Clients with quality products and services to consistently meet their requirements.  
To provide technological solutions for safety and maintenance.  
To achieve a world class status and to maintain an unblemished safety record.



## ethics

We believe in doing business with principles. We will turn away from business dealings that are unethical or that violate the law and demand transparency in the commercial dealings for the company.

We grow our business with:

- Quality Clients
- An outstanding reputation in the marketplace
- Friendship and solid relationships with clients



## values

Our Values capture the essence of how as a Company and as an individual we perform and deliver our services.

- To operate with care for the health, safety and security of ourselves, Client's personnel and third parties
- To excel in work
- To be honest and exercise integrity at all times
- To deliver the highest standard of service
- To be professional in all dealings with fellow employees, Client and other associates
- To uphold the Company's reputation and promote its interests at all times
- To maintain in strictest confidence all information acquired directly or indirectly in the course of work.



# Accreditations



First certified in April 2000, we continue to improve our performance in pursuit of customer satisfaction and is now re-certified to ISO 9001:2008 standard.



Since certified in May 2005, our HSE Management System continues to incorporate updates in regulatory practices and is now re-certified to OHSAS 18001:2007 standard.



We are an Offshore Petroleum Institute Training Organisation (OPITO) approved centre for the delivery of basic H2S Training.



We are recognized as an approved cylinder re-qualification facility in accordance with the U.S. Department of Transportation (DOT) standards.



We are a member of the International Association of Drilling Contractors (IADC).



Since August 2011, we are accredited with bizSAFE Level Star by the Workplace Safety & Health Council (WSHC), Singapore.



# Presence



Australia



Hong Kong



India



Indonesia



Iraq



Kazakhstan



Malaysia



Namibia



New Zealand



Pakistan



Philippines



Qatar



Romania



Singapore



Thailand



Turkey



Turkmenistan



Vietnam

## ExxonMobil

Thank all in Rutledge who played a part in caring about others enough to work in a manner that, 'Nobody Gets Hurt' – no cuts, no bruises, no medical treatment required, no lost time, no pain.



Rutledge's field technician has done an excellent job in repairing our on-site SCBAs. He has carried out the refurbishment in an extremely professional and thorough manner. His knowledge has certainly lifted the awareness of the SCBA units with our operators.



Rutledge's engineer consistently performed his duties in a professional and dedicated manner. His delivery of crew training, his knowledge about safety subject, his team approach and cooperation were excellent. Besides he also has a good knowledge in rig safety, mechanical and air systems.



We would like to thank each and every one of the Rutledge H2S Service Team working onsite, for their hard work and professionalism. The H2S training, equipment maintenance, record keeping and positive attitudes from the team have exceeded expectations. Genel appreciates all the hard work performed by Rutledge H2S Services staff. Thank you!



# H2S Services for Drilling & Production Operations

The Rutledge Group is dedicated to providing quality safety services to the oil & gas, petrochemical, specialty chemicals, engineering and construction industries. We provide total safety management support services on site, in areas of safety H2S, HSE, training, rental of safety equipment, service and maintenance of equipment.



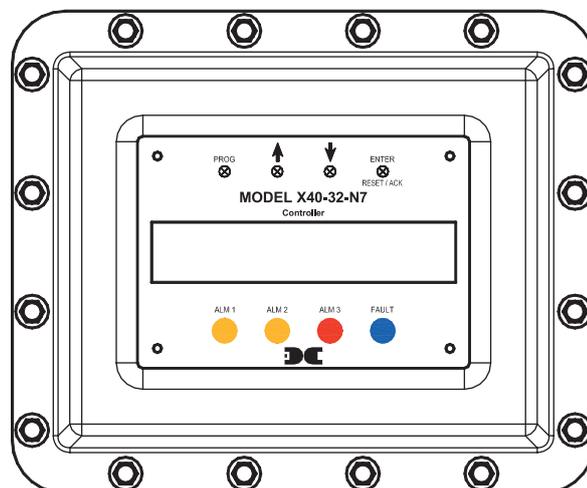
## Detection



Rutledge provides rentals of Gas Detection or Monitoring Systems for Toxic Gases, Combustible Gases, Hydrogen Sulphide and harmful environmental emission gases during drilling, coring, well-testing and other critical or non-critical operations where gas exposure is expected. In addition, we provide frequency-based sampling using gas tubes and also fixed online monitoring with online process gas analyzers.

**Our standard configurations include wired or wireless Gas Detection Systems for:**

- H2S
- SO2
- Combustible Gas (LEL)
- VOC (Volatile Organic Compounds)
- Environmental Monitoring (NH3, NOx, CO, CO2, O2 deficiency)





# Protection

Rutledge provides rentals of Respiratory Protection Equipment and Systems. We have in our repository a large number of well maintained Breathing Apparatus and Masks from our valued partners.



These includes

- 10-15 minutes Emergency Escape sets,
- 15 minutes supplied air workline units,
- 30 minutes SCBA.



Our standard Breathing Air Cascade System or Air Loop System for rental includes single and multiple cylinders rack cascade of 4 or more bottles each as well as standard CCU unit (6 or 20 foot container) and mobile refilling unit.

Our standard offering is for single compressor tie-in. Multiple and/or redundant compressors tie-in is available on request. Besides our standard offering, we also offer customized solutions that meet your unique needs.

Rutledge also provides 'life chambers' and 'escape busses' for near by local communities during H2S emergencies.





## HSE Services for Drilling & Production Operations

Rutledge has a team of competent HSE professionals who are able ready to assist companies and contractors in the various forms of risk assessment. They are able to act as the focal point for HSE matters, implement and monitor site

specific HSE management plans as well as permit-to-work system, incident & accident reporting program, In-house HSE training program, training and performance of Specialist Safety Team (Fire and Rescue Teams, Emergency Response Team, etc), Safety Meeting program and local regulatory guidelines and regulations.







## H2S & Safety Trainings

Our training programme promotes safety consciousness at the work locations. We have trained personnel from many industries, including Oil & Gas, Petrochemical and Marine segments...



We enjoy repeat business from our clients because of our consistent quality in course delivery and for the high practical content in many of our training programmes.

We are also able to provide customized training programs for your organization.

Together, we will produce a better workforce.

## Externally Accredited Training

- OPITO-Certified 'Basic H2S Training'
- OPITO-Certified 'Authorised Gas Tester' Levels 1, 2, 3 & Combined
- WDA-Approved 'Confined Space Entry & Rescue'
- IADC 'HSE Rig Pass'





## Training Courses

### Industrial:

- Gas Detection
- Respiratory Protection
- Breathing Air Compressors
- Basic Fire Fighting
- Workplace Induction & Tool-Box Meeting
- Safety Data Sheet
- Chemical Handling
- Rigging & Slings
- Operational & Mechanical Isolation
- Electrical Isolation
- Hazardous Operations
- Working at Height
- Escape, Mustering & Evacuation
- Permit-To-Work System
- Job Risk Assessment
- Hazards & Effects Management Process
- Working with Dangerous Gases
- Working with Pressure Vessel & BLEVE
- Incident Notification & Reporting
- Internal Auditing

### Marine & Offshore

- COSHH (Control of Substance Hazardous to Health)
- Environmental Protection
- Shipboard Environmental Waste
- SOPEP (Shipboard Oil Pollution Emergency Plan)
- Oil Spill Response Training
- PTW (Permit-To-Work) System
- Audit on 'PTW System' onboard FPSO



### Workplace Documentation

- Safety Management System
- Quality Management System
- Workplace Survey

### Worksite Assessor

- Hotwork Application (Oil Chemist; oil tank & work-site hotwork approval)
- Confined Space Assessor (certification)
- Workplace Audit (SMS/ISO/OHSAS)
- HSE Inspections

### Workplace/Health Programs

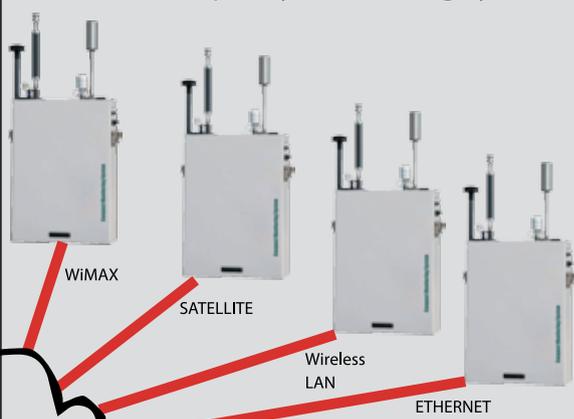
- Human Attitude
- Personal Hygiene
- Respiratory Protection
- Hearing Conservation





Rutledge provides the state of the art Air pointer air quality monitoring systems which is the leader of the new generation of monitoring systems offers a unique opportunity.

- First class air quality measurement at hot spots or any other point of interest utilizing turn-key systems features that enable cost effective monitoring by a much larger community of users as it is simple to set up, operate and maintain.
- Gather air quality data more quickly with the world's first out-of-the-box plug-and-play compact multi gas air quality monitoring system.
- Measure anywhere you want due to very compact dimensions.
- Measure a wide variety of pollutants in a modular platform – with up to seven ambient air analyzers measuring CO, NO, NO<sub>2</sub>, NO<sub>x</sub>, O<sub>3</sub>, SO<sub>2</sub>, H<sub>2</sub>S, VOC and new: PM<sub>10</sub> and PM<sub>2.5</sub> as well as a variety of Indoor Air Quality Sensors. Tailor it to your specific needs with our unique SIP sensor interface platform.
- Access the monitoring and raw data without special software- standard internet connection and web browser will do.



Every airpointer® can be accessed with a standard internet browser without the need of any additional software.

*Security and data protection is provided by the use of login security and secured server connections.*





## FireFly Automatic Well Ignition System for Sour Gas Well

Rutledge is proud to have in our offering the FireFly Blowout Ignition System or the “FireFly” solution, a unique solution aimed to ignite uncontrolled escaping gases during a blowout. Public concern as well as your commitment to safety has created a need for a special class of safety equipment that deals with prevention of H<sub>2</sub>S from building up to toxic levels during a blowout situation. With FireFly, your sour gas well can be ignited safely and critical well safety is assured.



During an uncontrolled blowout, the FireFly will be activated, and ample warning and escape time will be given to allow for execution of the contingency plan. Once the FireFly discharges, the uncontrolled escaping gases are ignited, effectively killing sour gas well. The ensuing flame allows the resulting SO<sub>2</sub> rise to the wind currents where it will be dispersed off safely over a very large area. If you are drilling a sour gas well near populated areas, speak to us on how we may help you in making strong your commitment to safety.

### Features

- Time - Delayed Automated Sour Gas Well Ignition Systems
- Fire Fly Flare Pit Igniters





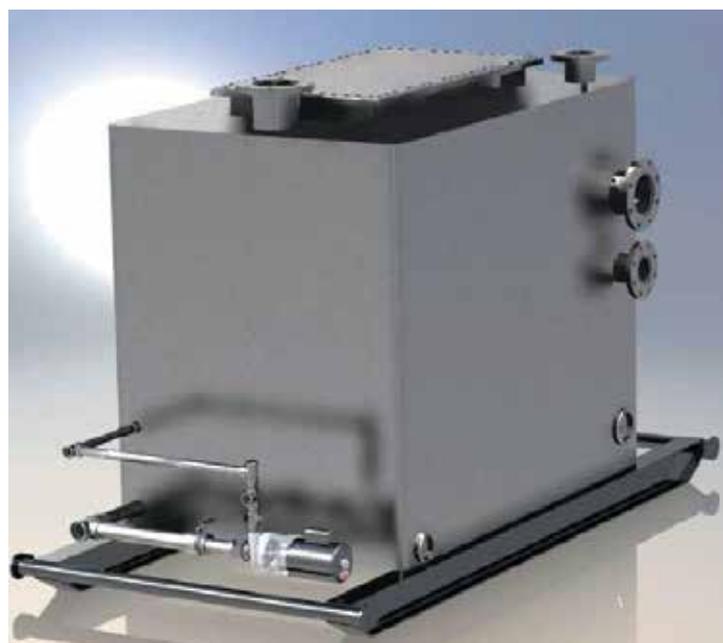
 WELL  
IGNITION





## H2S Removal Fluids & Equipment

We have available for rent: Stationary Gas Scrubbers, Truck Scrubber, High Gas Rate Scrubbers. Used in conjunction with AMGAS's Absorbital series of chemicals, our H2S scrubbers offers safe, efficient and cost-effective solutions for controlling hazardous/H2S emissions. We also offer liquid stage removal of H2S with the Corvidal series of H2S scavenger. Applications of AMGAS scrubbers are typical but not restricted to:



Venting storage tanks during completion, operations & well-testing; Loading & transportation of sour liquids; Purging of vessels and pipelines; Wellhead, pipelines, pig sender & receivers bleed off; vacuum truck emissions; industrial processing; plant turnaround services; Venting settling tanks for UBD.

### Corvidal 310

H2S Scavenger – Water-Soluble

#### Common Uses

- Sweetening for fluid transport
- Sweetening fluids prior to disposal
- Process treatment
- Well bleed downs
- Sub-surface fluid treatment
- Pipeline treatment
- Fluid sweetening for cleaning operations



## H2S Scrubbers

- Absorbital 319
- Absorbital 320
- Absorbital 305
- Absorbital 315

## H2S Scavengers

- Corvidal 310
- Corvidal 311

## Sour Crude Oil Transportation Solutions

- H2S Safe Crude Oil Tankers
- Portable H2S Scrubbers for crude oil tankers



## Corvidal 311

H2S Scavenger – Oil-Soluble

### Common Uses

- Condensate sweetening for fluid transport
- Sales oil treating
- Well bleed downs
- Sub-surface process treating
- Scavenging fluids during cleaning operations
- Vapor phase gas stream scavenging
- Effective in neutralizing H2S in aromatic solvents such as diesel, kerosene and other low molecular weight alcohols





## Non Destructive Tube Inspection

Rutledge believes in bringing to you innovative and cutting edge technologies. That is why we bring in and introduce Talcyon to our clients.

Talcyon's breakthrough, non-invasive solution for today's hard-to-inspect tubes up to 4" inner diameter enables ultra-fast, accurate inspection of boilers, Fin Fans and other heat exchangers, regardless of tube shape or material.



Featuring patented Acoustic Pulse Reflectometry (APR) technology, APRIS is an advanced, yet easy-to-use tool that overcomes the limitations of many conventional inspection techniques. With its simple operation, guided analysis and report generation, there is far less dependency on operator expertise.

Providing reliable inspection of even the most challenging tube sizes and configurations, APRIS increases inspection cycle efficiency and operational cost savings.

### Services

- Non Traversing NDT Tube Inspection using Acoustic Eye System
- Comprehensive Tube Inspection Reports generated by Acoustic Eye





#### Equipment

- APRIS Tool
- APRIS Accessories
- APRIS Software and Portal



#### Major Industries Served (Clientele)

- Upstream oil & gas Installations (FPSO)
- Refineries/LNG Processing
- Petrochemicals
- Chemicals/ Fertilizers/ Sugar Refineries
- Steam/ Power generation
- Paper & Pulp
- Industrial HVAC
- Food & beverage
- Pharmaceuticals
- Marine boilers & condensers





## Clientele

ABU DHABI MARINE  
AGIP KCO  
ALCORN  
AMERADA HESS  
AMOSEAS  
ARAMARK  
ARCO  
ASAMERA OIL INDONESIA  
AUO SIAM MARINE  
BAKER HUGHES  
BALI ENERGY LTD  
BECHTEL INTERNATIONAL  
BRITISH UNDERWATER ENGINEERING  
BOSKALIS  
BP  
CAIRN ENERGY  
CALIFORNIA ENERGY  
CASPIAN SERVICES GROUP  
CHEVRON OFFSHORE  
CONOCO INDONESIA  
COPHILL  
DEVON ENERGY  
DREDGING OPERATION  
DEUTAG  
EL PASO  
ENI  
ENERGY EQUITY  
ESSO  
EXPRO  
FLETCHER CHALLENGE  
FRANCOIS MARINE  
GENEL ENERGY  
GEOSERVICES

GLOBAL SANTA FE  
HALLIBURTON  
HAZAMA CORPORATION  
HIMPURNIA CALIFORNIA  
HKN  
HUFFCO BRANTAS  
HUNT OIL  
INTERNATIONAL PETROLEUM LTD  
INPEX  
JOB – PERTAMINA  
JGC CORPORATION  
KARAH BODAS  
KCA DEUTAG  
KODEKO  
KONDUR PETROLEUM S.A.  
KUFPEC  
LASMO OIL  
MARATHON  
MEDCO  
MOBIL  
MPCL  
MUBADALA  
NABROS  
ODFJELL DRILLING  
OGSPIRAS BINA DRILLING  
OMV  
P T DATI  
P T EASTMAN  
PTTEP  
P T HITEK  
P T LONGYEAR MINTEK  
P T SEKAYU BINA DRILLING  
P.T. EXPANS NUSANTARA

PAIGE  
PAKISTAN OIL FIELD  
PAKISTAN PETROLEUM LTD  
PARKER DRILLING  
PATUHA POWER  
PETROCHINA EAST JAYA  
PETROCORP  
PETRONAS  
PETROVIETNAM  
PHOENIX ENERGY  
PREMIER OIL  
PRIDE FORASOL SAS  
RELIANCE INDUSTRIES LTD  
RBF RIG CORPORATION  
ROWAN INTERNATIONAL  
MATRIX OIL  
SANTA FE  
SANTOS  
SCHLUMBERGER  
SEDCO FOREX  
SEKAYU BINA DRILLING  
SHELL  
SINOPEC  
TEXACO  
TOTAL  
TRANSOCEAN  
UEPL  
UNION TEXAS  
UNOCAL  
WAGENBORG  
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