



**INNOVATING AND UPLIFTING
THE PROFILE OF HSE PRACTICES**

Safety FIRST

Rutledge Group, through its three specialised divisions, continues to innovate and uplift the profile of HSE practices across industries such as oil and gas

Writer: Tom Wadlow | Project Manager: David Knott

The Deepwater Horizon oil spill will forever be etched into the history of the oil and gas industry.

Caused by an explosion on the oil rig located in the Gulf of Mexico off the Louisiana coast, April 20, 2010 marked a sobering day for the sector as 11 workers lost their lives and 17 more were injured.

For Anne Joseph, CEO of Rutledge Group, an organisation focussed on providing a host of safety services and products to industries around the world, accidents like Deepwater Horizon highlight the paramount importance of unwavering commitment to sound HSE standards.

“Companies operating in the oil and energy sector operate in hazardous environments and as a result it is critical to pay attention to health, safety and environment practices,” she says.

“After major accidents like Piper Alpha and Deepwater Horizon, their importance has only increased over the years. Our belief is that the potential cost of loss of life can be greatly reduced by training and implementing better practices at work sites. We believe that even more can be done to raise awareness of the importance of health and safety procedures.”



Anne Joseph's illustrious career has led her to standing as Group CEO of the Rutledge Group of companies – a position she has held for 12 years

Rutledge Group facilitates this through a number of its business segments, chiefly Rutledge Omni Services, Arise Global and Ready Oilfield Safety & Services.

Joseph became CEO of the enterprise in 2007, this having made the leap into the oil and gas space almost a decade earlier.

She recalls: “While working in the insurance industry, I became acquainted with the risks and rewards of different industries. In 1998, I saw an opportunity to build a company focused on providing quality safety services in the oil and gas industry, with application in petrochemical, shipping, fire and other industries.

“There was an increased emphasis on health and safety standards, and we believed we could create a leading platform to deliver those services. Together with likeminded business associates, we seized the opportunity and embarked on an exciting journey.”

A BROAD SPECTRUM

For Joseph, two differentiating factors that stand Rutledge Group apart are its breadth of products and services and geographic reach covered by its four main entities.

The oldest business segment estab-



Rutledge Group is accredited with ISO, OHSAS, OPITO and IADC and became equipped with Singapore Quality Class certification in 2017 – an internationally benchmarked framework for business excellence





lished in 1981, is today called Rutledge Omni Services.

Headquartered in Singapore, the division is focussed on providing quality safety services and products to many industries such as oilfield, shipping, fire and chemical. Armed with the Singapore Quality Class certification in 2017, an internationally benchmarked framework for business excellence, Rutledge is confident in its bid to win new ground and outdo itself in the years ahead.

It can serve almost any facility with

“OUR PEOPLE MAKE THE DIFFERENCE. AN ENERGETIC AND ENTHUSIASTIC TEAM OF INDIVIDUALS MAKE UP THE CORE OF MANAGEMENT”

the assurance of its international accreditations (including ISO, OHSAS, OPITO, IADC), and is one of the only Asian-based companies in its field with a strong domestic record and extensive international reach. Crucially, it holds an unblemished safety record.

“Our people make the difference,”

Joseph says. “An energetic and enthusiastic team of individuals make up the core of management. Their technical competence combined with a strong sense of duty to customers make them the winners that blaze the trail for the Group. A bespoke training programme has yielded a highly skilled workforce

that win us our sound reputation in the marketplace.”

ARISE GLOBAL

Arise Global is another services-based business segment under the Rutledge Group banner.

The unit, based in Singapore with presence in Malaysia, Indonesia, Thailand, UAE, Egypt and Kazakhstan, specialises in non-destructive testing for a range of industries, this being the branch of engineering concerned with all methods of detect-



ing and evaluating flaws in materials.

Arise is a one-stop shop for customers looking to ensure the integrity and safe operation of their equipment.

It specialises in delivering these extensive inspection services using highly specialised equipment and techniques, including Acoustic Pulse Reflectometry for tube inspection, Acoustic Emission for online assessment of the integrity of tanks, piping and other structural equipment, and Long-Range Ultrasonic Testing for assessment of pipelines.

RUTLEDGE OMNI SERVICES A SNAPSHOT

“Rutledge is about providing safety for personnel in toxic gas environments mainly in the upstream oil and gas work sites,” Joseph adds. “The toxic gas of interest is H₂S and the business is dependent on the presence of the gas which naturally occurs in some geological formations along with hydrocarbons. Among the areas where H₂S is prevalent is the Middle East and the threat is present in both onshore and offshore operations.”

Rutledge has also served clients in Central Asia, the Middle East, Russia, Pakistan, India, China and all of Southeast Asia, while many jobs have further been executed elsewhere, including in Africa and New Zealand. Much of its work is organised out of its bases in Singapore, Erbil, Islamabad, Jakarta, Atyrau and smaller setups in Songkhla, Chengdu and Abu Dhabi.

For Joseph, a priority is extending this division’s capabilities. She explains: “We are introducing a positioning solution in the upstream

sector to enhance the safety of oilfield personnel specifically in their work. I believe that this will be the next growth driver and will enable Rutledge to transcend beyond H₂S fields, hence opening wide the doors to new clients and new territories.

“We intend to roll this out in 2020, and Rutledge will be among the first systems integrator for the solution.”

Rutledge’s activities can be divided into eight major categories:

- H₂S safety services
- HSE services
- Air quality monitoring and data management
- H₂S and HSE training
- Provision of Firefly critical well ignition systems
- H₂S removal solutions
- Location / POB management systems
- Metrological stations and data management
- Community awareness

Circa Enterprises

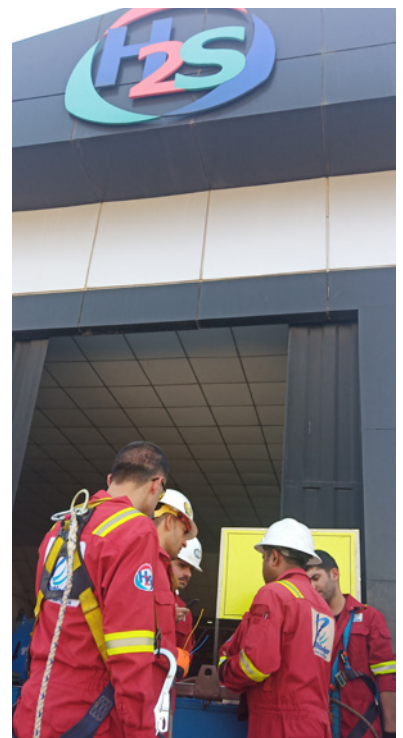
Rutledge Group strengthens Circa Enterprises’ presence across Southeast Asia.

Rutledge Group (Ready Oilfield Safety & Services) further strengthens Circa’s (Guardian Telecom and CircaMax) sales and support presence in SEA in response to strong demand for rugged telecommunications and surge protection solutions.

At Circa we know to help our customers succeed, we must keep pace with the challenges they face daily.

To do that we must have the most experienced and the brightest personnel in sales, engineering and customer service.

Rutledge Group helps strengthen this commitment to our customers in SEA.



Circa

ENTERPRISES INC.

When Rutledge Group requires rugged reliable telecom equipment, Circa delivers with Guardian Telecom and CircaMax



Rugged Telecommunications

The Guardian Advantage

Guardian Telecom products come with an industry leading 3-year warranty. Don't accept anything less.

Guardian Telecom designs, builds and commissions PA/GA, Page/Talk, Telephone and Talk/Back paging systems, from the relatively straight forward to the complex. Guardian products are fully "ruggedized" high performing telecommunications end-points for both hazardous and non-hazardous environments.

Harsh environments, extreme elements, critical infrastructure, high vibrations, safety-critical and mission-critical applications call for rugged and reliable solutions. Guardian Telecom is ISO 9001:2015 registered.

Find out more at www.guardiantelecom.com



Surge Protection

Powerful Protection for MAXIMUM ADVANTAGE

CircaMax manufactures surge protection and related equipment to the telecommunications industry around the globe. CircaMax offers indoor & outdoor building entrance terminals, central office connectors, surge protection modules, station protection enclosures, high density protection devices and category 5e & 6 protection devices. Its products provide primary protection against voltage surges to telephone systems and other data transmission systems.

CircaMax is an innovative leader, our customers gain the MAXIMUM ADVANTAGE from our connectivity solutions. Our customers depend on us to go beyond the basic requirements. They look for more value, and they get it.

Find out more at www.circamax.com





An energetic and enthusiastic team of individuals make up the core of management. Their technical competence combined with a strong sense of duty to customers make them the winners that blaze the trail for the Group



READY OILFIELD SAFETY & SERVICES

Ready Oilfield distributes high quality safety products such as SCBA, gas detection equipment and compressors, also serving as an authorised service centre for much of this portfolio in Singapore.

The division is able to take advantage of Rutledge Group's longstanding relationships with leading equipment manufacturers and thus can offer competitive pricing to its customers and can also offer trained personnel if required.

Among its product portfolio are:

- Scott and Sabre brands of SCBA
- Detcon fixed gas detectors
- BW portable detectors
- AQMESH air quality monitors
- Guardian telecom equipment
- Calgaz calibration gases
- Coltri and Bauer breathing air compressors



Rutledge Group embraces a range of industry leading technologies, including a positioning solution, software tools for distributed applications, and servers for harsh and hazardous conditions



Corrosion Mapping is another technique used for a range of services such as tank shell inspections, pressure vessels and piping systems (without using scaffolding), while Pulsed Eddy Current and Magnetic Flux Leakage are used to respectively inspect insulated equipment and map tank floors.

These and many more techniques are within Arise's capability. With the different capabilities it possesses, Arise is able to respond to complicated challenges faced by customers at their production, storage and distribution facilities, to ensure safe operation of customer assets and to avoid unexpected failures.

Arise is also the early adopter of patented APR technology, a novel tube inspection technology it owns. Specialised inspection products are researched and sold through an Arise subdivision called Talcyon.

TALCYON

Joseph adds: "The first product, APRIS, was launched in May 2018 and the R&D team is working on the second product, UPRIS. These are Acoustic and Ultrasonic Pulse Reflectometry solutions for tube inspections, an area of expertise where we own 11 patents.

"APRIS is currently used for inspection of heat exchangers, boilers, and multiple bend tubes using sound waves to quickly detect defects inside of tubes. UPRIS will provide a faster means to detect tubular integrity issues such as cracking to avoid costly unplanned shutdowns or accidents.

"We have interests expressed by a major manufacturer to explore development of our patented technology for quality control purposes and have another similar expression of interest by a manufacturer of twisted tubes. These interests are exciting as it demonstrates the relevance of the technology beyond maintenance in refineries, chemical plants and power plants."

EMBRACING TECHNOLOGY

This emphasis on research leads Joseph to outline another strategic advantage of Rutledge Group.

Apart from the spread of products and services and geographic reach commanded by Rutledge Group's portfolio of companies, a third key differentiator for Joseph is the willingness to adopt and embrace technology across the board.

"We are always on the lookout for an angle where we can make a difference," Joseph says. "It is in our DNA. Just before the downturn in the oil and gas industry in 2016, Rutledge embarked on an ambitious endeavour to bring a new technology for a positioning solution to the mature oil and gas sector.

"What started as one solution has today resulted in two companies that have been hived off from Rutledge Omni Services. We have developed a

positioning solution, software tools for distributed applications, and servers for harsh and hazardous conditions. These are housed in entirely new companies (Biqmind and LanternEdge)."


Another example of this tech-driven ethos comes from Arise and its ambition to supply customers with new technical solutions.

As well as the APRIS and UPRIS developments, Arise operates an Acoustic Emission technology Centre of Excellence in Singapore. The facility carries out studies on exploiting the capability of the technology in defect detection, characterisation and quantification, and also explores the use of the science in other applications.

It is constant innovation and research such as this that leaves Joseph optimistic about the future of HSE practices across industries such as oil and gas, the CEO adamant that the coming years will see technology take centre stage.

Outlining the company's own ambition for the next small chapter in its story, she concludes: "There are many developments on the horizon, including establishing our positioning solution as a means to help us transcend to fields where H2S services are not required.

"Further, we will ensure the successful rollout of UPRIS and work with multinational corporations on new applications of our patented technologies, a process which I hope will see us become the global go-to provider of Acoustic Emission technology.

"This will help our companies to open up in new territories and ultimately expand the Rutledge Group." 



RUTLEDGE GROUP

Tel: +65 65150055

www.rutledgeservices.com

www.readyoilfield.com

www.ariseglobal.com



RUTLEDGE GROUP

34, Toh Guan Road East,
#01-12/13 Enterprise Hub,
Singapore 608579

Tel: +65 65150055

enquiry@rutledgeservices.com

enquiry@readyoilfield.com

ask@ariseglobal.com

sales@talcyon.com

www.rutledgeservices.com

www.readyoilfield.com

www.ariseglobal.com

www.talcyon.com



PRODUCED BY
ASIA OUTLOOK MAGAZINE