

SINGAPORE PAVILION @ OFFSHORE TECHNOLOGY CONFERENCE 2017

Organised by
Association of Singapore Marine Industries

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Astoria Solutions Pte Ltd has introduced disruptive innovations to several of the (manual) processes in the marine, oil & gas and construction industries with tools to increase revenue, raise efficiency and improve safety. Our best-of-breed solutions empower its users with operational visibility, risk mitigation, faster project turnaround times and rapid global deployment, at lowest total cost of ownership.

While serving our core clients in these industries, we have developed deep insights into workforce management, labor time calculations and project operations in dynamic and complex work environments. This experience has enabled us to successfully implement our solutions across the industry spectrum, from construction sites, shipyards and oil & gas majors.

We devote a large proportion of our resources to R&D and have garnered strong support from various Singapore government agencies. We apply the results of our research into innovative products and business models that benefit enterprises to implement process innovations and scale to the next level.

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Calm Oceans Pte. Ltd.**Booth No: 650**

Calm Oceans Pte Ltd is one of the few global entities in the Upstream Industry. We seek to unlock values in the seabed with safe and cost-effective bespoke solutions based on practical and economical technologies.

With competent and experience people who have designed, engineered and built a myriad of offshore solutions ranging from platforms, terminals, vessels, jack-ups, drillships for the upstream to pipelines, as well as gas-to-power projects, we are well-positioned to provide design, engineering, construction and installation of bespoke offshore solutions.

Such solutions are based on patent and/or patent pending offshore technologies; self installing and integrated solutions enabling simple to deploy, easy to use, and more importantly, unlock value efficiently.

Some of these patent/patent pending technologies include the Brian Chang Design of Self-Installing Offshore Platform, the Mono-Column Platform ("MCP"), Self-Installing innovative Relocatable-Pivotable Offshore Storage and Offloading ("RPSO") system, terminal and platforms.

Mr Brian Chang, the father of offshore innovations and modern development whose design and engineering acumen in the early years have led to the advent of the offshore market in Asia, has recently developed a family of self-installing platforms and storage & offloading systems enabling field owners and contractors to expediently deploy a holistic and integrated solutions and able to stay in position throughout the project life.

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Energy Maritime Associates Pte Ltd**Booth No: 746**

Energy Maritime Associates Pte Ltd (EMA) is an independent consulting company, which provides market research, strategic advisory, business development and executive briefing to clients in the offshore energy sector. EMA maintains an extensive database tracking the entire lifecycle of the floating production industry – from planning to contract award to project execution, installation, operation, and decommissioning/redeployment.

In addition to customized consulting services, EMA publishes industry-leading reports on the Floating Production Market. The FPS Outlook Report published annually provides a comprehensive view of the FPS market, trends, and players with an overview and detailed 5-year forecast for each type of floating production unit. The FPS Quarterly Report provides project level detail for all potential projects that could require an FPS, as well as all the units currently on order, installed, or available.

EMA's global clients include oil & gas companies, asset owners, shipyards, equipment suppliers, investors and financial institutions.

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Franklin Offshore International Pte Ltd**Booth No: 746**

Franklin Offshore International Pte Ltd, part of the Franklin Offshore Group, is a leading provider of steel wire rope, rigging & mooring equipment and value added services.

Headquartered in Singapore, the Franklin Offshore Group serves the offshore oil & gas exploration, production and marine construction industries. Our service centres are strategically located in Singapore, Australia, Indonesia, South Korea, Azerbaijan, Qatar, United States of America and the Netherlands.

Our expertise includes the manufacturing of cable laid and Flemish-Lock® slings and the provision of a comprehensive range of support services like inspection, load testing, rope removal and installation. We have, on an international scale, the experience and track record on the supply of high quality integrated solutions in temporary and permanent mooring projects including a comprehensive range of OIC services. Our staff members are experienced and dedicated and we have a corporate culture that is solidly based on the principles of professionalism, innovation and service.

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Gardyon Pte Ltd**Booth No: 746**

Gardyon Pte Ltd is a global protector of oil and gas assets, focused on innovation in the field of fire protection and thermal solutions and technologies, committed to pioneering solutions that outperform conventional systems in terms of efficiency and ultimately, profitability. Our extensive experience in research & development, engineering & design, manufacturing, installation and maintenance of fire protection and thermal systems ensures that every innovation idea is materialized to its full potential.

Gardyon's engineered fire protection systems are fully tested and certified to the latest jet fire standard ISO 22899 and are suitable for structures, decks and bulkheads (divisions), vessels, valves, actuators, pipework and associate equipment. These systems have been proven to withstand harsh offshore and onshore environments.

The Charcast®7 jet fire panel system cast using the epoxy intumescent resin, Chartek®7 by International Paint, as well as the Gardyon Flexible ISO-JF180 jet fire jacket system, are engineered, designed and exclusively manufactured by Gardyon for the worldwide market.

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Mooreast Asia Pte Ltd**Booth No: 746**

Established in 1993, Mooreast Asia Pte Ltd has progressed from an after-sales service office to a reputable company which has its own manufacturing facilities and engineering team. Our mission is to be a complete mooring solution provider. We specialize in engineering design, manufacturing and supply of mooring equipment for a wide range of floaters such as FPSO, drilling rig, SPM buoy, and offshore wind and tidal turbine.

With the introduction of Mooreast brand products such as the MA Anchors, MA Buoys and MA Chain Stoppers, we are able to offer a complete mooring system package incorporating other key mooring products, at a cost effective rate. Furthermore, Mooreast is able to provide customized steel fabrication for our customers.

Having more than 20 years of experience and knowledge in the mooring business, our brand name has been widely recognized by our customers in the marine & offshore industries. In order to expand our market presence, we have also set up an overseas subsidiary in the Netherlands, Mooreast Europe B.V., which will cover markets in Europe, America and Africa.

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One Offshore Pte Ltd**Booth No: 746**

One Offshore Pte Ltd designs and builds specialized subsea installation equipment for installing flexibles like subsea umbilicals, risers, flowlines and cables for laying single/double-joint/coiled rigid pipe for installing FPSO turret/spread moorings, and for subsea lowering.

With in-house capabilities in machine structures, electric and hydraulic drives, PLC controls, instrumentation and mechanical disciplines, One Offshore provides bespoke project equipment solutions. Some of these equipment are available for rental.

Equipment in the company's wide range of products include: portable lay systems, tensioners, reel drives, carousels, winches and compensators and pipe lay systems.

Based in Singapore, One Offshore offers equipment of first world standards at Asian prices, using field proven machine philosophies, technologies and components.

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Pascal Industries Pte Ltd

Booth No: 746

Pascal Industries Pte Ltd specializes in the manufacture of high quality valves, fittings and tubing up to a working pressure of 60,000 psi (4,140 Bar) and a wide range of pressure and temperature gauges for system engineering solutions.

Pascal Industries' expertise lies in the high (60,000 psi) and medium (20,000 psi) pressure fluid components. Pascal Industries applies this knowledge to our lower pressure group as well – down to 6,000 psi – in our pipe and tube fittings product lines. Pascal Industries' instrumentation products range from vacuum to 100,000 psi. Pascal Industries also provides custom solutions in the above areas of expertise to our clients and solve problems through innovation and quality.

Some of our major clients include Cameron, Aker Solutions, Keppel Shipyard, GE Oil and Gas, ExxonMobil, Petronas, Kimberley-Clark and many others.

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PH Hydraulics & Engineering Pte Ltd

Booth No: 650

Incorporated in 1975, PH Hydraulics & Engineering Pte Ltd is Asia's leading deck equipment manufacturers for the marine & offshore industry.

Our core product categories are Floating Production Storage and Offloading (FPSO) deck equipment, pipe lay equipment, offshore drilling platforms and hydraulic and electrical winches. The company provides customised solutions and applies its technical know-how and experience to design robust equipment for harsh environment.

We value innovation, consistency in quality and operational performance. Our staff are trained to value integrity, excellence in service and open communication. This, along with a strong emphasis on health and safety and its strategic vision to keep up with technological changes, has ensured our success to provide quality and reliable equipment and services to customers worldwide.

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POSH Semco Pte Ltd

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A member of the Pacific Carriers Limited Group, PACC Offshore Services Holdings Pte Ltd (POSH) was incorporated as a wholly owned subsidiary of Pacific Carriers Limited in 2006 to diversify into the offshore oil & gas industry.

Today, we are a fully integrated offshore solutions provider, and a leading vessel operator in Southeast Asia operating a fleet of more than 110 vessels comprising anchor handling/towing & supply vessels (AHTS), anchor handling tugs (AHT), accommodation vessels, crane barges, offshore utility vessels, azimuthing terminal tugs, oil storage barges and submersible barges, catering to different phases of oil and gas fields development.

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Promor Pte Ltd

Booth No: 746

Promor Pte Ltd is based in Singapore and was established as an independent provider of services and products to the offshore oil and gas industry.

Promor commenced operations in early 2011 with an experienced and knowledgeable core staff team. The Promor team has over 60 years of combined experience and proven track record in successfully completing projects for both FPSOs and FSOs including integration of topside facilities, utility systems, turret mooring systems, spread mooring systems, offloading systems and supply of proprietary technology.

The company specialises in creating and developing innovative solutions supported by our range of services including design engineering, component supply, project co-ordination, interface co-ordination and turnkey package delivery.

Promor staff are able to work alongside the client team or independently depending on the service to be provided and are often called upon to interface with the classification society, shipyard, vendors and fabricators.

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Sembcorp Marine Ltd**Booth No: 746**

Sembcorp Marine provides one-stop engineering solutions to the global offshore and marine industry, drawing upon more than 50 years of track record. Our customers include major oil companies, drilling contractors, shipping companies as well as owners and operators of floating production units.

We focus on four key capabilities: rigs & floaters, repairs & upgrades, offshore platforms, specialised shipbuilding.

Sembcorp Marine operates shipyards strategically located in Singapore, India, Indonesia, the United Kingdom and Brazil.

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Seng Heng Engineering Pte Ltd**Booth No: 746**

Seng Heng Engineering Pte Ltd (SHE) is an ISO 9001, OHSAS 18001 and API Spec Q1 9th edition, API 20E certified manufacturer in Singapore.

We manufacture and specialise in petrochemical studs and nuts, API 20E subsea bolting, turbine bolting, turnkey machining items, and corrosion resistance coatings.

Our customers are OEM, EPC contractors and oil & gas companies. These included Bechtel Corporation, KBR, Pemex, JGC Corporation, Shell Group, GE Oil & Gas, Saudi Aramco, KNPC, ADNOC Group, FMC Technologies, OneSubsea, Petrobas, GASCO, etc.

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Sensitron Singapore (Sensing) Pte Ltd**Booth No: 746**

Sensitron Singapore (Sensing) Pte Ltd is the branch office of Sensitron srl, an Italian leading manufacturer of industrial grade gas detection systems for toxic and explosive compounds.

Control panels and gas detectors are fully certified according to both the ATEX 94/9/CE directive and the standard EN50402. SIL 3 certified GALILEO SMS and GALILEO 8-32 control panels and the hi-tech SMART S-MS, S-SS, S-IR and S-IS rated to SIL 2 (3) have been designed for harsh environments and fulfill the requirements of EN50402 and IEC 61508 part 1-7. Along with IR, EC and catalytic sensors, detectors employing innovative Hybrid technology sensors and laser technology to provide an even more precise reading of the detected gas.

Sensitron is ISO9001:vision 2008 certified.

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TEHO International Inc Ltd is the holding company of TEHO Group with subsidiaries offering products and services under 3 main business units:

Rigging, Mooring, Lifting & Safety Systems

Products: Wire and fibre ropes, chains and fittings, synthetic slings, EAL lubricants, Wirelock and other related fittings

Companies: TEHO Ropes & Supplies Pte Ltd, TEHO EuROPE B.V., TEHO International (USA), LLC, TEHO (Shanghai) Co., Ltd
Electrical & Mechanical Engineering Systems

Products: Fire/shut off dampers, space and water heaters, storm louver, gallery hood, heat tracing cable and other engineering equipment

Company: TEHO Engineering Pte Ltd

Reverse Osmosis Watermaker, Water & Environmental Solutions

Products: RO watermaker, CAT pumps, hydrophore system, hot water calorifier, sewage treatment plant and other water treatment systems

Company: TEHO Water & Envirotec Pte Ltd

We have established offices in Singapore, Rotterdam, Houston and Shanghai as well as overseas logistics points and agencies to serve customers at different parts of the world. Together with our technical expertise, robust inventory and value pricing combine to make us an ideal one-stop shop for international companies seeking reliable partners for their supply chain.

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Transvictory Winch System Pte Ltd**Booth No: 650**

Transvictory Winch System Pte Ltd is a manufacturer and supplier of winches, crane & hydraulic power units based in Singapore. As one of the largest stockist in Asia, Transvictory Winch System is your immediate solution to whatever winching and lifting application.

We have stock standard winches ranging from 5 to 300Ton winches in single or multi drum configurations. We can also manufacture other deck equipment & accessories including spooling winches & under-roller coiling machine, capstans, shark jaw & towing pin, running line monitoring units and electrical & wireless remote control systems. For Cranes, we are specialized in types including fixed boom, knuckle boom, flow boom, telescopic, provision, etc. Over the years, we have gained extensive experience not only in winching & lifting systems but also provide marine deck equipment related services.

In the relatively short history of the company, Transvictory Winch System has gained a strong local and international presence in Australia, Japan, Middle East, Africa, Europe, United States, Indonesia, Malaysia and etc. We have also kept our prices down by ordering everything in large production and stock quantities while giving our customers quality machinery. Besides direct sales, we also provide short term rental or long term lease for our equipment.

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Tri-Star Industries Pte Ltd**Booth No: 650**

Tri-Star Industries Pte Ltd is a global leader in the manufacture of engineered, specialty, high criticality and MASTERCOTE corrosion resistant stud bolts and fasteners, including bespoke hydraulic torquing and tensioning equipment and solutions; M*RAK metallic and FRP/GRP cable support systems; and DIMET cathodic protection designs and systems.

We are a one-stop center, from design, engineering, material analysis to manufacture, testing (our laboratory is ISO/IEC 17025 accredited), certification and commissioning.

With nine manufacturing locations throughout the Asia-Pacific and the Middle East and a distribution network in the USA. We bring our quality products and services closer to our customers. In addition to being on the preferred manufacturers' list of most oil and gas majors, asset owners, subsea OEMs and EPCCs, we are also the Enterprise Frame Agreement supplier of fasteners to Shell globally.

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Zicom Pte Ltd**Booth No: 746**

Zicom Pte Ltd is a total engineering solutions provider with core competencies in mechanical, hydraulics, electrical engineering and their integration. A regional leader in the design and manufacture of marine and offshore equipment for over 35 years, we believe that

understanding of our client needs, coupled with convictions to safety and reliability is paramount to the delivery of a successful engineering solution. Forging strategic partnerships with research institutions, operators, hydraulic/electric drive makers, we are committed to continual engineering development to keep pace with evolving market demands.

Total Solution Delivery: Professional project management team, engineering design team, service team, manufacturing facilities

Design and Manufacture: Marine deck machinery, AHTS winches, mooring system, harbour/ocean/escort towing winches, offshore spooling winch, customised winch & engineering solutions and bunkering crane

Services: Winch refurbishing and conversion and marine and offshore equipment servicing

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