

GARDYON PTE LTD – FOCUSED ON INNOVATION IN FIRE PROTECTION



Spotlight on marine supporting industries

Gardyon Pte Ltd envisions itself to be a global protector of onshore and offshore oil and gas assets, focusing on innovation in the field of fire protection.

Gardyon is committed to pioneering solutions that outperform conventional systems in terms of efficiency and ultimately, profitability. It is inspired by the infinite possibilities of thermal science application in the global oil & gas and petrochemicals industry. Hence, its clients benefit from breakthrough technology which provides fire protection in a manner that allows for successful installations even in extremely harsh work environments. It ensures that the design, engineering, material selection, and integration of its safety-critical fire protection is provided accurately, correctly, and on time – the FIRST time.

Fire protection is one crucial aspect of its clients' overall projects. Gardyon was set up in 2010 as a solution and service provider of fire protection and insulation requirements for onshore and offshore installations. It has grown to become a thought leader in this field, transforming the way oil and gas facilities are safeguarded.

Gardyon joined ASMI as an Associate member in July 2015. The company prides itself on its ability to convert innovative ideas into actual life-saving and asset-saving solutions. Gardyon conducts detailed engineering and design to provide turnkey solutions, and ensures that the designs have the necessary national authority approvals and Classification Society certifications. Every engineered solution is approved and certified as appropriate for weather and environmental protection, durability, fire performance, insulation performance, corrosion protection, and aesthetics.

One of the most important developments Gardyon has achieved is to incorporate the ISO jet fire test standard in its comprehensive

programme of testing and certification. To this end, Lloyd's Register under their Type Approval scheme have certified the company's engineered pre-cast panel system, "Charcast@7", as well as its jacket system, "Gardyon Flexible ISO-JF180" as solutions for both fire and blast protection.

The company's specialised teams for research and development, engineering and design, and project management, offer its clients one-stop solutions for their global projects and challenges. By working closely with its international partners to integrate quality materials with its fire protection solutions, Gardyon is able to combine decades of in-depth know-how, expertise and experience with the latest technology to offer clients confidence in its solutions and a seamless flow from conceptualisation to final installation.

To ensure that these products and systems are manufactured and installed in accordance to the project requirements and standards of the certifying bodies, Gardyon's subsidiary, Thermal Limitec, plays a crucial role in completing this comprehensive execution plan. Thermal Limitec's extensive technical knowledge and many years of experience in providing engineering services in project and contract management bring together the specialised technology, assets and scale necessary to support Gardyon in successfully competing in the industry's fire protection business, a critical and fast growing market segment.

Gardyon is a firm believer in quality and reliability. It prides itself in the high level of finish of its fire protection technologies and solutions which has made them instantly recognisable as another quality product from Gardyon. It demonstrates the company's commitment to detail, and its endeavour to provide clients with the assurance that its products will continue to perform consistently at its peak from the beginning to decades later.

TECHNOLOGICAL CAPABILITIES

RESEARCH & DEVELOPMENT

ENGINEERING & DESIGN

INTEGRATION

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Gardyon is a one stop solutions provider in the field of fire protection.

PROJECT HIGHLIGHTS

NORTH AMERICA (USA)
Bullet Tank Fire Protection Upgrade Project

REMOVABLE INSPECTION POINT COVER

SOUTH AMERICA (OFFSHORE BRAZIL)
Riser Balcony Vertical Division

CUSTOMISED JF-45 FIRE RATED DOOR

SOLUTION FOR PIPING & STRUCTURAL PENETRATIONS

JF-45 FIRE RATED RISER BALCONY VERTICAL DIVISION

SOUTH AMERICA (OFFSHORE BRAZIL)
Process Modules, Supports, Risers, Shutdown Valves

STRUCTURAL COLUMN

RISER

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Some of the projects which Gardyon has worked on.