



Leaders in Onsite Abrasive Blasting and Protective Coatings



**Abrasive Blasting • Protective Coatings • Thermal Spray Application •
Non-skid Coatings • Coating Inspection Services**

L10-8, Menara Sentral Vista, 150 Jalan Sultan Abdul Samad, Brickfields, Kuala Lumpur 50470 Malaysia

www.ashmarine.com.sg

Quality & Safety Assurance



Ash Marine as an ISO 9001:2015 certified company is fully committed to provide high quality and best services to our clients. We achieve this by meeting procedural and contractual requirements.

Ash Marine is responsible to comply with the Management policies, procedures and operational work instructions. Our personnel are certified under NACE & SSPC. Our inspection equipments are up to date and are calibrated annually.

Ash Marine strives to maintain a high standard of occupational health and safety within the company. Ash Marine is certified under ISO 45001:2018 and are awarded BizSAFE STAR. Ash Marine is committed to providing a workplace that is hazard free, safe and a healthy environment that safeguards personnel and environment.

Major Clients

Singapore

- Keppel Shipyard
- Dyna-mac Engineering Services Pte Ltd
- US Navy
- Punj Lloyd Pte Ltd
- Aker Kvaerner MN (S) Pte Ltd
- UTOC Engineering Pte Ltd
- Asia Projects Engineering Pte Ltd
- Petrong I Pte Ltd
- Seadrill Offshore Singapore Pte Ltd
- Singapore Takada Industries Pte Ltd
- Hiap Seng Engineering Limited
- Jurong Shipyard Pte Ltd
- SMOE Pte Ltd
- SES Marine Services Pte Ltd
- Cyclelect Electrical Engineering Pte Ltd
- HQSM Engineering Pte Ltd
- Aerostar Corporation Pte Ltd
- SR Engineering Pte Ltd
- ExxonMobil
- APECO
- Oglaend Systems
- Transocean Offshore Deepwater Holdings Limited

Malaysia

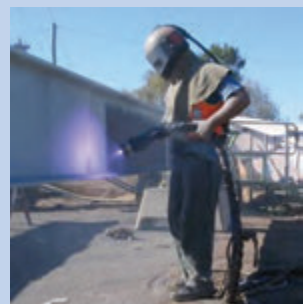
- RM Leopad Sdn Bhd
- Nomad Engineering Sdn Bhd
- Mach3 Engineering Sdn Bhd
- Kencana HL Sdn Bhd
- MMHE Sdn Bhd
- Shell Federation of Malaya
- Petronas Dagangan Berhard
- Favelle Favco Sdn Bhd
- Best Wide Engineering Sdn Bhd
- FLUOR
- Andritz Hydro
- SMEC
- Tenaga Nasional
- Sapura Energy Berhad
- Brooke Dockyard

India

- Gujarat State Petroleum Company
- Larsen & Toubro Limited
- Oil and Natural Gas Corporation (ONGC)

Indonesia

- PT Saipem Indonesia



Major Projects

- Mumbai high South Redevelopment Project – ONGC
- Malikai TLP Project – SHELL
- Wheatstone Project – CHEVRON
- SK316 Project – PETRONAS
- Ivar Aasen Project – DET NORSKE
- Stones Project – SHELL
- Gumusut Kakap – SHELL SABAH
- Pipeline Repair Project – SHELL
- Heat Exchanger Project – SHELL
- Quad 204 Project – Dyna-Mac Engineering
- Deen Dayal Wellhead Jacket Project – L & T, GSPC
- SPT Refinery Project – ExxonMobil
- Offshore Crane Boom Project – British Petroleum
- Halfdan Phase IV FPSO Project – MAERSK
- SPT Refinery Piping Project – Foster Wheeler
- Skarv Turret – SBM
- ICHTHYS Project – INPEX
- Ulu Jelai Projects - TNB
- US Navy Projects
- Keppel Shipyard Projects
- CPF Module EPC Of The Culzean Field Development Facilities Project - Maersk Oil North Sea UK
- Exhaust Pipe of Drillship Hull 1116 & 1117 - Transocean
- JET A1 Project - Petronas
- Provision of Procurement And Construction (PC) of Topside And Jacket For SK310 B15 Development Project - Petronas
- Bitumen Loading Production Arm - Shell
- EPCC Anjung Facilities - Petronas Carigali
- EPC Of Hull And Living Quarters Fabrication For Johan Castberg Development Project - Equinor ASA
- Tyra WHRP Fabrication Project - TOTAL E&P DANMARK A/S
- Offshore Process Platform (CPP & LQUP) Project For Development of KG-DWN-98/2 - ONGC
- EPC for North Field Production Sustainability - Qatargas

Our Services

Our services are dynamic and versatile. We are experienced in carrying out works in fabrication yards, refineries with stringent safety regulations, cramped conditions with limited mobility such as inside ships and FPSOs, confined spaces as well as at height of 30m or more.

- Abrasive Blasting according to relevant ISO, ASTM, SSPC and NACE standards
- Hydro jetting according to NACE 12/ SSPC CS-23, NORSOK M-501 or client requirements.
- Airless and conventional spray painting of protective paints.
- Thermal Spray Coating according to SSPC CS-23 NORSOK M-501 or client requirements.
- Design and execution of semi-automatic abrasive blasting, thermal spray application or spray application.
- Full documentations for projects related to quality and safety and provision of certified AMPP coating personnel.

Thermal Spray Application

Thermal Spray Application Technology is widely recognised & preferred method across many industries that improves or restores the surface of a solid material. This process can be used to apply coating to a wide range of materials and components in diverse climate conditions with no curing period, greater hardness, superior adhesion and provide resistance to abrasion, corrosion, cavitation, erosion, heat or wear by extending the coating life of an average of 30 years which is superior to conventional coatings with a proven performance history.

Thermal Spray Application are adopted in controlling Corrosion in various industries like the Marine, Oil & Gas Industries, Land Transport, Ports, Wharfs, and many more.

The corrosion in the Structural Steel works, Marine Environments, Oil & Gas industry is a particularly important issue. Low carbon steel is commonly used as a structural material for marine applications, despite its relatively poor corrosion resistance. Due to the high chloride levels present in marine environments, coupled with erosion and microbial effects, extensive material loss occurs in offshore platforms, pipelines, and ships. It has been estimated that the cost of corrosion is high along with environmental damage. In industrial environment such as in freshwater, marine environment, under thermal insulation or hot surface area, thermal spray aluminium is the most chose due to its superior performance. Aluminium is an outstanding material found as the most effective for steel protection. Aluminium performance can withstand either in acidic or alkaline condition. Aluminium coating advantages comes from its ability to form a passive film formation & sacrificial protection, thus giving a lower corrosion rate. Aluminium also offers less weight and cheap in price compared to zinc. One of the key factor aluminium is more preferable because of its high temperature resistance. This coating system is effective for immersion, splash-zone, and atmospheric services. This coating offers a tough barrier coating, it is economical, it provides effective protection for refinery and process plant vessels, tanks and steel fabrications, against corrosion under insulation with less maintenance-free service.

Transport infrastructure truly adds speed, efficiency and economy growth to a country's progress. Land transport infrastructures are composed of fixed installations for canals, highways, railways, roads and terminals. These infrastructures in such corrosive environments naturally poses constant threats



of damage from atmospheric conditions, road debris, density of traffic, as well as increased emission. Unfortunately, the maintenance cost against corrosion for these platforms are very high. To combat this inevitable challenge, Thermal Spray Aluminium coating can be applied for structures built with stainless steel & Thermal Spray Zinc which can be applied directly in concretes and replaces galvanized coating used in bridges, MRT Lanes & barriers. These coatings are offering excellent resistance against corrosion and at minimum maintenance cost to improve friction and wear, its results enhance the life span of materials and machine parts, simultaneously reducing efforts on maintenance or repair work.

In the UK, Forth Road Bridge is coated with Thermal Spray, while at Hurst Green Railways, the footbridge is coated with Thermal Spray Zinc.

Ports are the central link between maritime and land transportation, serving as a central gateway for exports and imports that contribute to the prosperity of a nation. The concrete and steel structures in such sea-busy environments inherently require high costs for maintenance due to regular removal of corrosion products, sea-fouling and scale, and periodical painting as well. Pipelines and tanks at ports and wharfs also commonly experience pitted corrosions that reduces the strength and hardness of steel. Thermal Spray Aluminium is then aptly used to increase its thickness at pitted areas – which solidifies and strengthens the steel over time. Used for centuries as a protective coating, cathodic protection, Zebra Mussel protection and for cavitation damages in maritime environments such as ports, wharfs, bridges and other components, Thermal Spray Application demonstrates excellent results against corrosion & coating protection without the risk of heat distortion on components & also in concrete and steel structures.

In Japan, Thermal Spray Zinc Aluminium is applied to the Columns of a Floating Deck, Kanda Port (1990), and Thermal Spray Aluminium is used for Seaside Bridge, Kagoshima Port (1997).

Ash Marine has been actively involved in the application of thermal spray coatings on various industries throughout the region utilizing metals such as Zinc, Aluminium, Nickel, Zinc Aluminium Alloys (85/15), Stainless Steel and other alloys to provide long-term corrosion protection over conventional coatings. We have state of the art Arc Spray and Flame Spray machines along with highly trained and experienced personnel.



Protective Coatings

Ash Marine is proudly one of the leading companies in the region for protective coating applications. Ash Marine has performed various blasting operations using aluminum oxide, garnet, steel grit & shot, copper slag and other abrasives in various sizes in accordance to clients' requirements.

Ash Marine has the latest blasting pots, vacuum recovery machines, vacuum blast machines, spray pumps and other equipment's. Our large range of sophisticated modern equipment's and highly skilled personnel enables us to take on large projects and be able to complete them within the stipulated time without compromising quality or safety.

Comprehensive Solutions For Marine and Oil & Gas Corrosion Control



Ash Marine is a dynamic organization committed to providing innovative, economical and high quality abrasive blasting, thermal metal spray and painting solutions.

We have invested in our own research and development to continually identify new and improved application processes to improve productivity and quality.

We are dedicated to the success of every customer and associate. Our aim is to delight our customers with complete satisfaction through competitive pricing, fast delivery, outstanding technical performance and superb reliability for all our services.

ASH MARINE is an ISO 9001:2015 and ISO 45001:2018 certified company

- Patron Member with NACE (National Association of Corrosion Engineers)
- Patron Member with SSPC (The Society for Protective Coatings)
- BizSAFE STAR certified
- Patron Member with AMPP (Association of Materials Protection and Performance)





Make us Your Preferred Choice For All Your Abrasive Blasting and Protective Coating Needs.

At Ash Marine we simply try harder to meet and exceed the expectations of all our customers, both big and small. We work together with you to customize solutions to fit your company's individual requirements and most importantly, your budget.

That's because we regard you not just as a customer, but also as a partner. And as partners, our aim is to create long-term value which is mutually beneficial to both of us, and to you.

Our emphasis on research and development, outstanding quality, durability and excellent customer support are just some of the reasons why we are the preferred choice of many. So give us a call today, and make us your choice too.

Ash Marine Sdn Bhd

Malaysia 📍
Corporate Office
L-10-8, Menara Sentral Vista
150, Jalan Sultan Abdul Samad
Brickfields, 50470 Kuala Lumpur
☎ +603 2303 5751 / 2303 5752

Ash Marine Pte Ltd

Singapore 📍
Country Office
No. 34, Springside View
Singapore 786257
☎ +65 6776 6073

Ash Marine L.L.C.

UAE 📍
Country Office
4a Street,
Port Saeed-129
Dubai United Arab
Emirates
☎ +971 2621 4982

Ash Marine Inc.

USA 📍
Country Office
1500 Gulf Blvd
South Padre Island
Texas, 78597
☎ +1 956 7614951

PT Ash Marine Engineering

Indonesia 📍
Country Office
Gedung AMP Room H
Jln. Raja H. Fisabilillah, Batam Center
(Beside of One Batam Mall)
Batam - 29461 Kepulauan Riau
☎ +62 77-8416 2452

Ash Marine Private Limited

INDIA 📍
Country Office
No.91/30B, Koval Road, Ecr,
Mamallapuram, Chengalpattu,
Kancheepuram,
Tamil Nadu India, 603104
☎ +91 98431 72143

www.ashmarine.com.sg