



# PORATHA GROUP OF COMPANIES

**CORPORATE PROFILE**

**MECHANICAL  
ENGINEERING &  
CONSTRUCTION  
WORKS**

*Oil & Gas  
Power Generation  
Petrochemical  
Renewable Energy  
General Industries*





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**T**he Poratha Group of Companies comprise several entities with a collective experience of over 20 years in the Oil & Gas, Renewable Energy, PetroChemical and Power Generation sectors.

**We provide a multitude of services with high standards of multi-disciplinary engineering, procurement, construction and commissioning for turnkey projects.**

Our global locations include,

- Kuala Lumpur, Kuantan, Bintulu, Kota Kinabalu, Melaka, Gurun & Johor Bahru, Malaysia
- Chennai, India
- Bangkok, Thailand
- Singapore

- Duqm, Sultanate of Oman
- Fujairah & Abu Dhabi, United Arab Emirates
- Sydney, South Australia

### MAIN AREAS OF SPECIALISATION

Our expertise and services include,

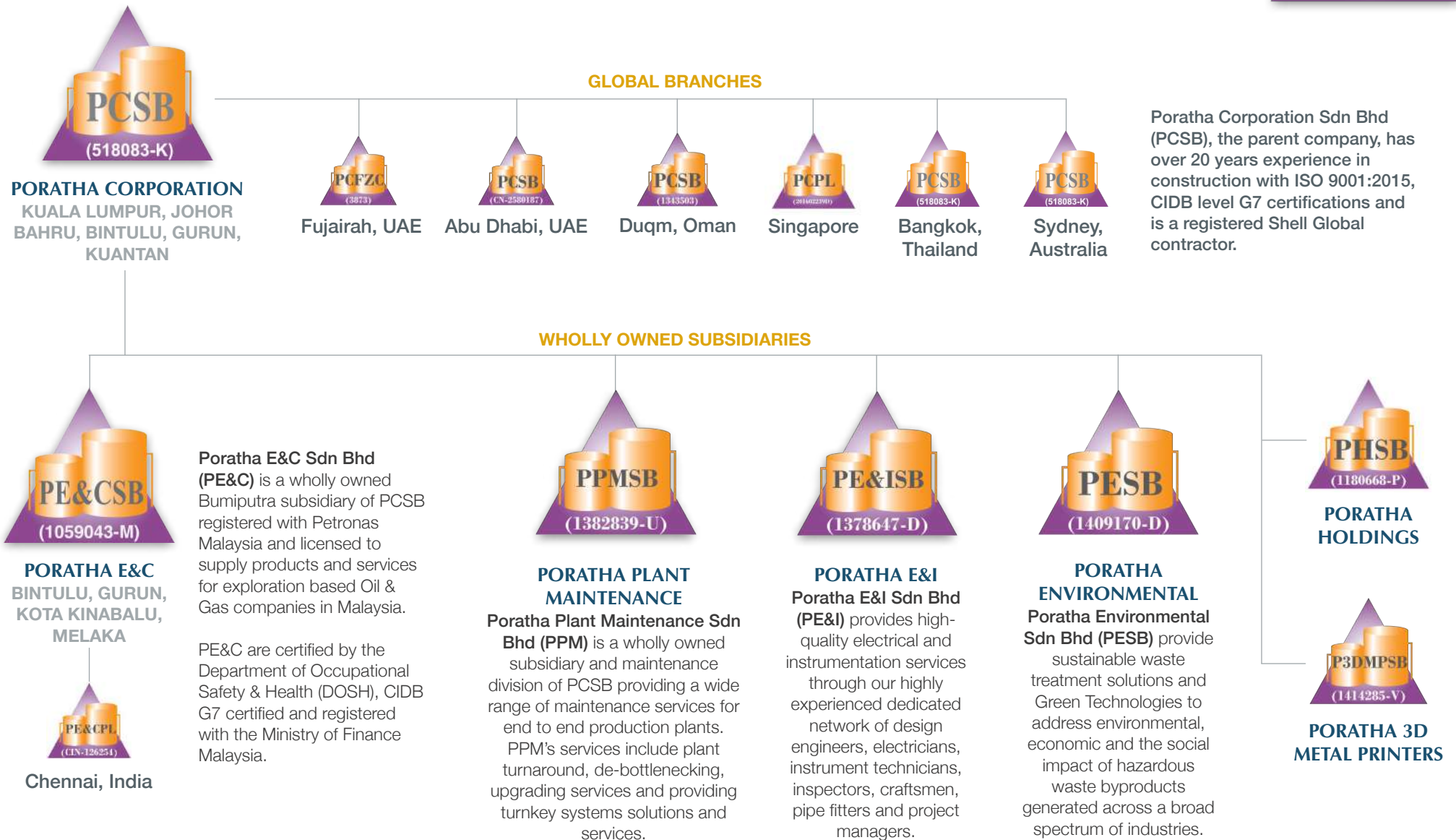
- Steel Structure Fabrication & Erection Works
- Storage Tank Construction
- Piping Fabrication & Installation Works
- Static & Rotating Equipment Installation
- Blasting & Painting
- Electrical & Instrumentation
- Plant Maintenance Services

Our achievements and success are attributed to a workforce of over 1,800 highly skilled craftsmen who bring with them exceptional trade skills and global experience that has put us at the forefront of cutting edge project execution and completion.

We continue to grow and evolve as a preferred partner due in part to our commitment and dedication to our craft and our excellence on deliverables to our clients.



## HIERARCHY OF COMPANIES





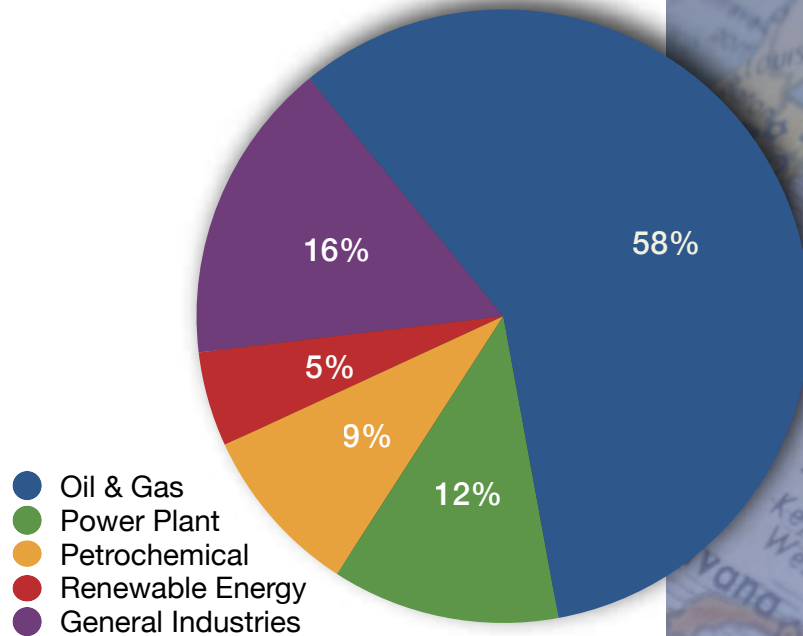
# CORPORATE OVERVIEW

Our familiarity and knowledge of these geo-locations and work environments allows us to further expand on our industry leading services and support for our international clients.

## SUMMARY

Poratha Group provide solutions using its expertise and knowledge to successfully complete projects to our client's satisfaction and expectations. Our integrated capabilities and technical understanding allows us to offer project execution and completion in a cost effective manner.

## INDUSTRIES



## MALAYSIA

- Poratha Corporation Sdn. Bhd.
- Poratha E&C Sdn. Bhd.
- Poratha E&I Sdn. Bhd.
- Poratha Holdings Sdn. Bhd.
- Poratha Plant Maintenance Sdn. Bhd.
- Poratha 3D Metal Printers Sdn. Bhd.
- Poratha Environmental Sdn. Bhd.

## WORLDWIDE

### AUSTRALIA (Sydney)

- Poratha Corporation Pty. Ltd.

### INDIA (Chennai)

- Poratha E&C Pvt. Ltd.

### SINGAPORE

- Poratha Corporation Pte. Ltd.

### THAILAND (Bangkok)

- Poratha Corporation Ltd.

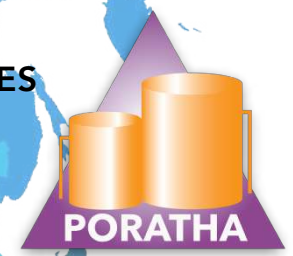
### SULTANATE OF OMAN (Duqm)

- Poratha Corporation Sdn. Bhd.

### UNITED ARAB EMIRATES

- Poratha Corporation Sdn. Bhd. - Abu Dhabi
- Poratha Corporation FZC - Fujairah

# PORATHA GROUP OF COMPANIES



## MIDDLE EAST

- UAE
- FUJAIRAH
- ABU DHABI
- OMAN
- DUQM
- QATAR
- SAUDI ARABIA

## SOUTH EAST ASIA

- MALAYSIA
- KUALA LUMPUR
- JOHORE BAHRU
- KUANTAN
- BINTULU
- KOTA KINABALU
- GURUN
- MALACCA
- THAILAND
- BANGKOK
- SINGAPORE

- INDIA
- CHENNAI

- AUSTRALIA
- SYDNEY

OVER **20** YEARS EXPERIENCE



OVER **1,800** STAFF WORLDWIDE



**14** OFFICES ACROSS THE GLOBE

OVER **200** PROJECTS COMPLETED WORLDWIDE

## VISION

To be a major player in our area of specialty and a leading turnkey systems provider for the Oil & Gas, Power, Petrochemical, Renewable Energy and Biotechnology industries across the Globe.

## MISSION

To ensure complete client satisfaction through continuous improvement on quality, safety and deliverables. To be a one stop service provider capable of meeting and exceeding client requirements.

To provide sound and cost effective engineering solutions whilst constantly seeking alternative measures and solutions to best suit our client needs.

**W**e are registered, accredited and licensed by internationally recognised governmental agencies and industry specific authorities and companies who are leaders in their respective fields.

## MALAYSIA (Including Sabah & Sarawak)

Locally we are registered with several agencies and the country's national oil and gas company.

- **Petronas Malaysia** (National Oil Company), licensed for the supply of products and services for exploration based Oil & Gas companies;
- **Shell Global Contractor**;
- **CIDB** (Construction Industry Development Board) with a G7 rating placing us in the highest tier of construction companies in Malaysia,
- **JCCD** (Johor Centre for Construction Development);
- **TNB** (Tenaga Nasional Berhad), registered contractor and supplier for the leading energy supplier in the country;
- **DOSH** (Department of Occupational Safety & Health);
- **Ministry of Finance** Malaysia.







### UNITED ARAB EMIRATES

In the UAE our operations and services are registered and recognised by several local energy authorities,

- **ADNOC** (Abu Dhabi National Oil Company),
- **ADWEA** (Abu Dhabi Water & Electricity Authority),
- **FEWA** (Federal Electricity & Water Authority),
- **DEWA** (Dubai Electricity & Water Authority),
- **ICV** (In-Country Value) certification.

### SULTANATE OF OMAN

In Oman, we are registered with the following authorities,

- **JSRS** ((Joint Supplier Registration System), Oman Ministry of Oil & Gas.;
- **Oman DryDock Company.**



## SERVICES & EXPERTISE

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PIPING FABRICATION & INSTALLATION  
STEEL STRUCTURE FABRICATION & ERECTION  
STORAGE TANK CONSTRUCTION  
STATIC & ROTATING EQUIPMENT INSTALLATION  
BLASTING & PAINTING  
ELECTRICAL & INSTRUMENTATION  
PLANT MAINTENANCE







## PIPING FABRICATION & INSTALLATION

Over the years we have gained vast experience and honed our skills and expertise in the areas of pipe fabrication & installation works.

Our dedicated and highly skilled team are able to fulfil client requirements by applying highly innovative engineering techniques and solutions during the fabrication process and installation with key focus on:

- Equipment layout;
- Pipe rack detailing, analysing, sizing and installing as per isometric drawings;
- Analysis of piping specifications which include line study and pipe routing;
- Conducting clash check of various pipes, stress analysis of high pressure-temp lines;
- Carrying out re-routing of pipes to suit stress analysis, generation of general arrangement and elevation drawings which include sections and line number marking;
- Isometric generation;
- Bill of material extraction for various materials.

We constantly strive for excellence to elevate our expertise and experience in this field.



# CORE COMPETENCIES

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## STEEL STRUCTURE FABRICATION & ERECTION WORKS

**W**e are a leading engineering firm handling services in the areas of design, fabrication and erection of structure steel works for power plants, refineries, pharmaceutical plants and other industrial projects.

We fabricate and install RCC and steel structure work based on domestic and international standards.

The efficiency and high quality in which we carry out fabrication and erection of steel structure works has dictated our success in this field.



## STORAGE TANK CONSTRUCTION

Our services include design, fabrication and erection of various size tanks according to the exacting specifications and standards set by our clients. Our success rate speaks for itself.

We take pride in being classified as one of the best storage tank contractors in the region.







## STATIC & ROTATING EQUIPMENT INSTALLATION

**S**tatic Equipment  
We are also in the business of handling pressure vessels, columns, reactors, heat exchangers, air coolers, spheres and storage tanks in accordance with internationally applied codes and standards.

### Rotary Equipment & Mechanical Packages

Additionally, we carry out works on compressors, pumps and packages (desalination units, Nitrogen, cooling towers, DM Plants, flare systems etc.).

These too are in strict accordance with international codes and standards.



## BLASTING & PAINTING

We provide various types of blasting and painting services for the Oil and Gas Industry, including UHP (ultra high pressure), hydro blasting and more traditional grit and steel ball blasting.

We understand that surface preparation is essential for satisfactory performance of any paint system and employ the latest techniques in our prep and finish.



# CORE COMPETENCIES

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## ELECTRICAL & INSTRUMENTATION

The E&I team provide fully integrated electrical, control and instrumentation installation services. Our capabilities span the entire project life cycle from design to build, installation and maintenance. We deliver a fully integrated solution understanding our customers' needs and requirements. This philosophy runs throughout our business and is the reason why many of our customers view us as an integral partner. Our uncompromising view on safety allows us to boast that we have one of the market's most recognised safety records.

### Electrical & Instrumentation Services

Our specialist E&I services provide higher-grade electrical and control infrastructure to hazardous and highly regulated industries. From a single transformer to a complex substation build, you can depend on our first class professionals to safely deliver your project.



Electrical Control Panels



AC & DC Servo Systems, Drives, Instrumentation Control Valve and PLC integration



Valve Bank & Pneumatic Instrument Control

## ENVIRONMENTAL & GREEN TECHNOLOGIES

Our Environmental team provide sustainable waste treatment solutions and Green Technologies to address environmental, economic and the social impact of hazardous waste byproducts generated across a broad spectrum of industries.

Employing a holistic approach, our solutions are tailored to the specific needs of our clients for the treatment of industrial waste, carbon footprint reduction, emissions control and responsible repurpose, reuse or disposal of treated waste with the least practicable impact on the environment.







## PLANT MAINTENANCE

Our plant maintenance works and related services are wide ranging from maintenance for plant equipment to complete maintenance services for entire production plants in the LNG, Oil & Gas, Petrochemical, Power Generation and General Industry sectors.

We are a leading specialist in plant turnaround, de-bottlenecking, upgrading services and a turnkey systems provider.

We are a preferred partner for our internationally recognised clients due to our commitment and dedication to our craft, excellence on deliverables and our attention to detail.

Our portfolio of projects include high profile mega-projects as well as a variety of works tailored to specific client requirements.



Piping Modification Works



Cyclone Converter Installation



Furnace Feed Chute Cladding & Structure Strengthening Works



Stiffener Ring Rectification Works



Piping & Equipment Shutdown & Turnaround Works



Feed Chutes & Hydraulic Knife Gate Installation

## WORK REFERENCES

**P**rojects are well versed with the intricacies of the workings, procedures and protocols that are in place at typical project sites.

It is second nature for our workmen, Engineers and Project Managers to successfully execute and deliver on our project timelines as well as upkeep our safety standards without compromising the quality of our deliverables and work ethics.

We are keenly aware that the reputation of our clients rest on our shoulders and to this end we are confident that our years of experience and attention to detail coupled with our no nonsense work environment towards quality and safety are our strongest assets.

Over the years, we've been privileged to have worked alongside internationally recognised clients such as *Toyo Engineering, KBR, Siemens, Sankyu, JEL, IHI, Sato Kogyo, Ishi Power, Chiyoda, Dialog, PEC Singapore, Hiap Seng Singapore, Blue Scope Lysagth (Australia), Hamon (Belgium), Linde (Germany), Larsen & Toubro* and many more.

With over 200 successfully completed projects globally, our work references are extensive and diverse in scope. We approach all jobs with the same commitment and level of professionalism regardless of size or scope of works.





## PROJECT PORTFOLIO



**PETRONAS RAPID Project, Pengerang Johor**



**Jamex Power Plant, Jebel Ali Free Zone, UAE**



**Solar Park Project, Dubai, UAE**



**Larsen & Toubro Storage Tank Erection Project, Abu Dhabi, UAE**

Since incorporation, we have been involved in numerous high profile projects which include:

- LOTTE Chemicals, Larsen & Toubro, Johor;
- Tanjung Bin Power Plant Project, Johor;
- Petronas Methanol Plant, Labuan;
- Tokuyama Polycrystalites Project ;
- Shell Refinery, Port Dickson;
- Jimah Power Plant (Coal fired), Port Dickson;
- Samalaju Industrial Park, Bintulu, Sarawak;
- Hamriyah Power Plant, UAE;
- Bunge Loders Crocklaan Piping Project, Pasir Gudang, Johor;
- Larsen & Toubro Storage Tank Erection Project, Abu Dhabi, UAE;
- Allayyah Combined Cycle Power Plant Sharjah, UAE;
- Hassyan Power Plant GE Project, UAE;
- HQC GPS Refrigerated LPG terminal Project, Port Klang;
- HQC ATB Oil Terminal, Tanjung Bin, Johor;
- Petronas Chemicals MTBE Plant Piping Works, Kuantan, Pahang;
- BASF Petronas Chemicals Shutdown Works, Kuantan, Pahang.



# WORKSHOP FACILITIES

IN-HOUSE WORKSHOP  
GREEN FIELD  
BROWN FIELD





## FABRICATION WORKSHOPS

We operate 6 fabrication workshops with a total area of over 8 acres land space. All workshops are fully outfitted and equipped for Fabrication, Blasting and Painting works.

The yards are strategically located to serve our clients and partners in the following locations:

- **Pengerang, Johor** : 2 yards close to the Petronas RAPID PIC Complex;
- **Kuantan, Pahang** : Serving the East Coast;
- **Port Dickson, Negeri Sembilan** : Serving the West Coast;
- **Melaka**;
- **Bintulu, Sarawak** : Covering our East Malaysian operations.

Our highly skilled workforce are committed to providing the best solutions, best methods, best quality and best value in areas such as: LNG Plants, Fabrication Facilities, Off-shore and On-shore Projects and more.



With state-of-the-art fabrication and welding workshops, our team includes welders, assemblers, technicians and engineers holding the highest levels of certification required for every scope of work.

From simple steel to exotic alloys and custom projects, no challenge is too complex for our team.

All our work is done exclusively in-house through our own hand picked manpower who are employed exclusively by Poratha.



- Pipe marking as per ISO drawings.
- Cutting, bevelling, fit-up, welding, NDT and send out for Blasting & Painting.



**Activities**

- Rigging of pipe
- Launching
- Fit-up
- Welding
- NDT
- Testing





## WORKFORCE

People are our greatest asset. Poratha employs, nurtures and retains the best workmen in the industry. Our people are hand picked for their skill sets and experience in their respective fields of expertise.

They are highly skilled individuals who have gained experience working on projects across the globe.





## MANPOWER

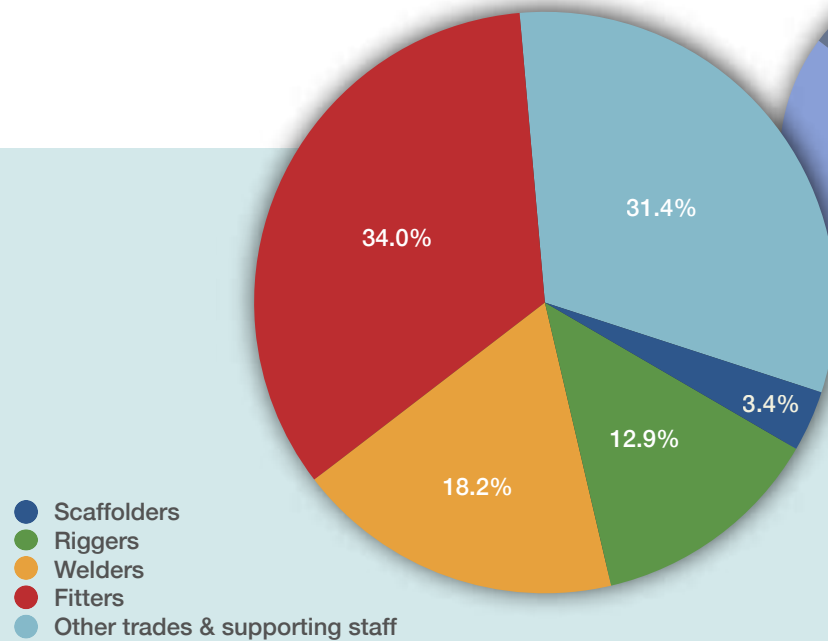
Our skilled manpower are dedicated professionals who bring both local and international experience to each project we undertake.

We ensure all our workmen have up-to-date government permits and we manage and deploy their expertise and skills through our Project Management Team (PMT) who oversee and ensure each project runs smoothly and according to the timelines set forth according to completion milestones.

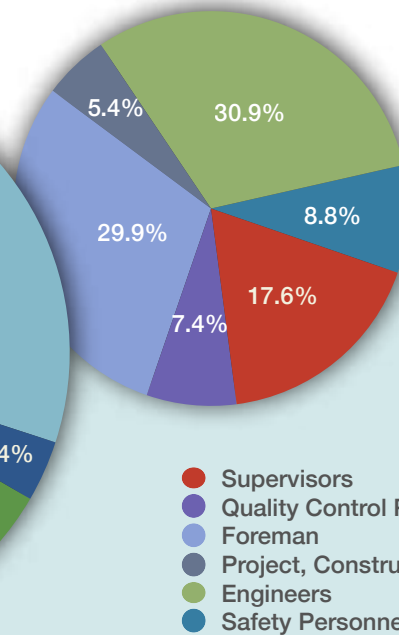
Our workforce continues to grow rapidly to fulfil the needs of the projects we undertake and to date we have over 1,800 workmen from several countries namely India, Bangladesh and Malaysia.

We provide our own housing and complete end-to-end staff welfare for our entire team of professionals.

SKILLED WORKMEN



MANAGEMENT & SUPERVISORY



# MACHINERY

Our investment in vehicles, machinery and tools is extensive. We fully understand that in order for us to be able to complete our projects with ease and deliver excellence in all our undertakings, the necessary tools and equipment must be at our disposal at all times.



We purchase, maintain and deploy our own equipment for projects and only resort to rentals in instances when it is for a one-off job or limited usage.

## ASSETS include:

- Concrete Drilling Machines
- High Frequency TIG Machines
- Inverter Welding Machines
- Pipe Bending Machines
- Scaffolding Material
- Magnetic Base Portable Drilling Machines
- Plasma Cutting Machines
- Grinding Machines
- Auto Cutting Machines
- 25 Ton Cranes
- Forklifts
- Telescopic Forklifts
- Transport Vehicles
  - 4x4 Pickups
  - 44 Seater Buses
  - 18 Wheeler Trailers



EQUIPMENT, TOOLS & ASSETS

PORATHA GROUP OF COMPANIES





**P**oratha's track record for safety is amongst the best in the industry. We take pride in no incident statistics we have achieved in the critically important area of Occupational Health & Safety.

Our Safety Officers and Supervisors take their jobs seriously and are constantly mindful of the safety of our workforce at all times on and offsite.

**W**e stand firm on our commitment to HSE with our day-to-day activities revolving around the following key areas:

Developing a safe & healthy workplace for employees.  
Improving & upgrading HSE awareness amongst employees.

Allocation of adequate resources that include:

- Developing a safe & healthy workplace for employees.
- Improving & upgrading HSE awareness amongst employees.
- Allocation of adequate resources that include:
  - Up-to-date Training
  - PPE & Equipment
  - Developing procedures & programs to achieve our HSE policies and to ensure enforcement and strict adherence at all times.

Our approach to safety is "*nothing is more important to us than the health and welfare of our people.*"

We are fully committed to ensuring that safety measures and precautions are undertaken in order to prevent accidents and damage to public and private properties, health and environment. It is our responsibility to protect our employees and the general public from any harm and injury at our work place.

In line with our goal to achieve *ZERO ACCIDENT*, we ensure that our operating activities are meticulously planned and implemented in compliance with "*Acceptable Risk Factor*".

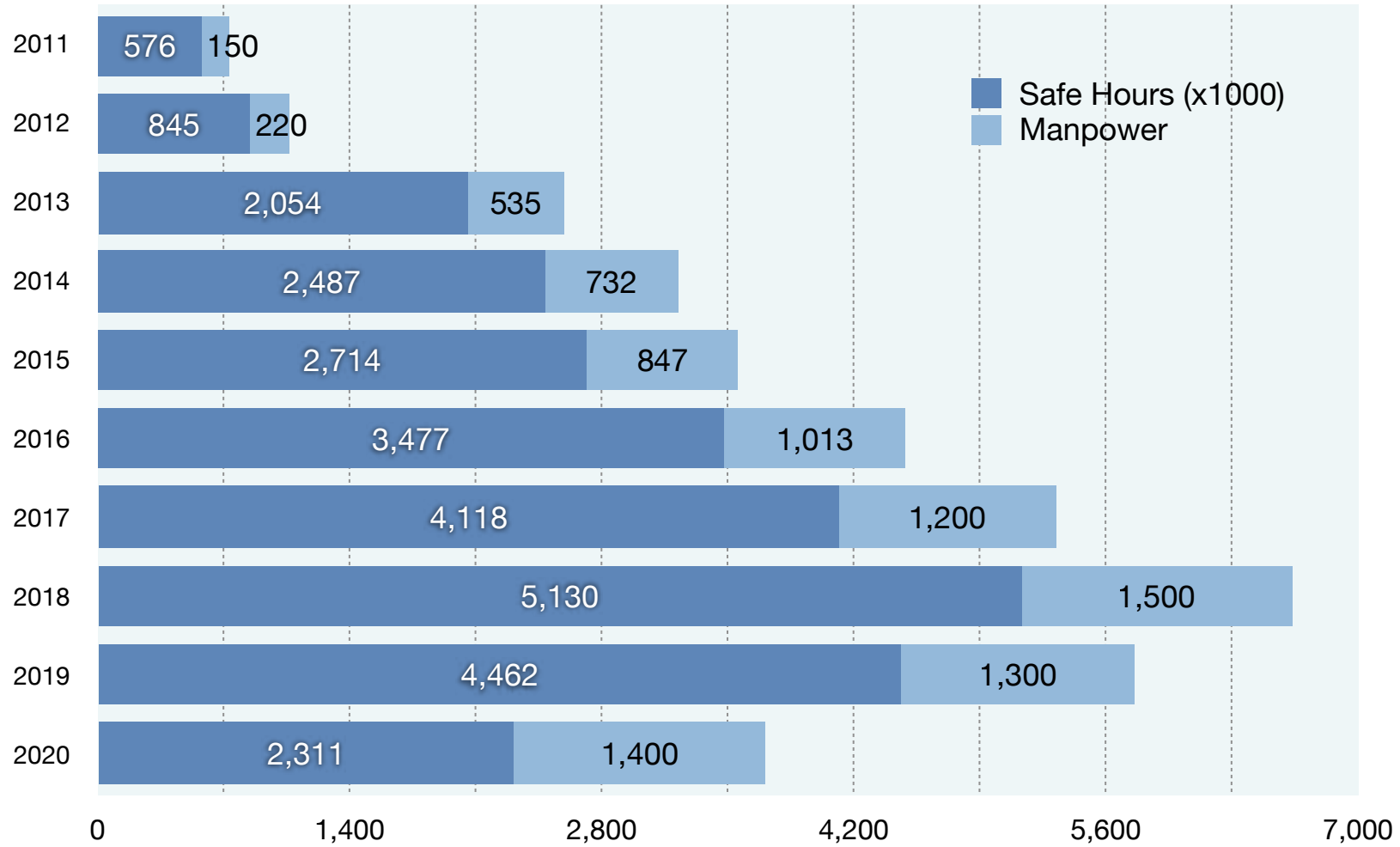
We constantly instil a "*Safe Working Culture*" among our staff at all times and ensure that they are trained and well equipped to handle any emergency situations in the work place should it arise.





**HEALTH, SAFETY, & ENVIRONMENT**

**HSE SAFE MAN-HOURS**





## QUALITY STANDARDS

Our internationally recognised certifications prove our credibility to the market, our clients and business partners.

To deliver on that credibility, Poratha maintains extensive global accreditations and recognitions for our Quality Management System, Environmental Management System and Occupational Health & Safety Management System.





## POLICIES & STANDARDS

As global markets grow and expand, consumers increasingly seek safe, reliable and competent partners. With both international and local proficiency, Poratha brings accountability and compliance for all our suppliers and project partners.

### MALAYSIA & SULTANATE OF OMAN

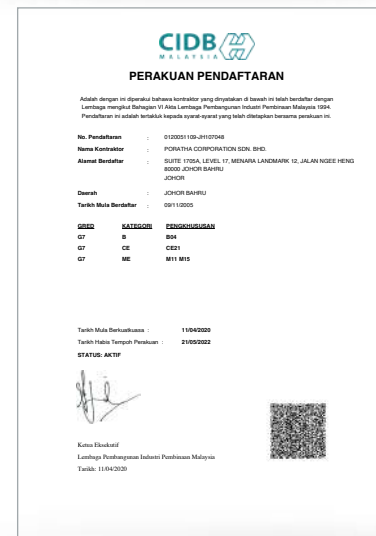
- Intertek UKAS & Standards Malaysia ISO 9001:2015 Quality Management System;
- CIDB Level G7 Certification;
- DOSH (Department of Occupational Safety & Health), Ministry of Human Resources Malaysia;

### INDIA

- ISO 9001:2015 Quality Management System;
- ISO 14001:2015 Environmental Management System;
- ISO 45001:2018 Occupational Health & Safety Management System;

### UNITED ARAB EMIRATES

- ISO 9001:2015 Quality Management System;
- ISO 14001:2015 Environmental Management System;
- OHSAS 18001:2007 Occupational Health & Safety Management System.





## ORGANISATION CHART

**A**t every work site there are teams of dedicated professionals who are tasked with ensuring all aspects of the project run smoothly and with minimum disruption.

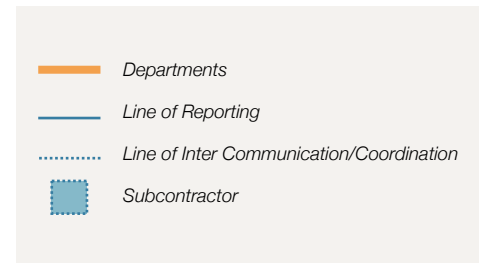
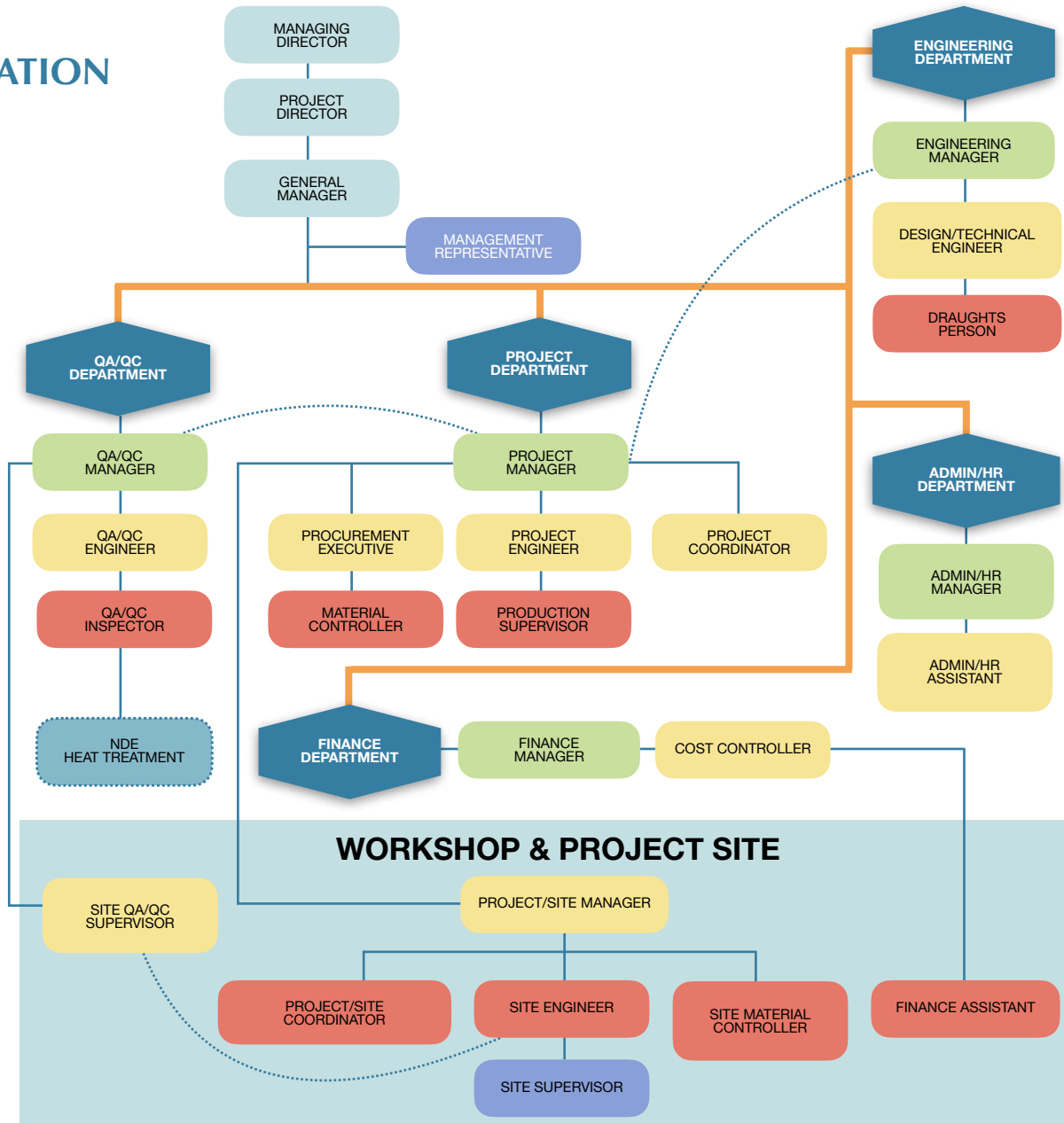
Problem solving and quick action are amongst the key responsibilities our Managers and Supervisors live by on a daily basis.







# SITE ORGANISATION



## AWARDS & TESTIMONIALS

**A**lways in pursuit of excellence, our team thrive on challenging situations and push the envelope each and every time delivering class leading solutions and services across the globe.







## CLIENT TESTIMONIALS

Our attention to detail and dedication to our craft are frequently reciprocated with appreciation and commendations from our clients. We are always humbled when recognised for a job well done.

This not only serves to drive us to further improve our work culture and deliverables to each and every client but strengthens our belief in our capabilities allowing us to approach every project with the same fervour and enthusiasm regardless of the size of project undertaken.

### 2019 PETRONAS RAPID SSC PROJECT

*“Outstanding Excellence : Package 7 & 27 - 12.9 Million Safe Man Hours and 12.1 Million Safe Man Hours.” - PREFCHEM & TECNIMONTHQC*

### 2019 SHWE PROJECT

*“Poratha Corporation administered a high level of professionalism, talent and skills that ensured the project guidelines were met and the job successfully delivered to BHGE yard.”- MCDERMOTT ASIA PACIFIC*

### 2018 PETRONAS RAPID SSC PROJECT

*“Best Sub-Contractor for Welding Performance.” - TOYO ENGINEERING*



## REVENUE & FINANCIALS

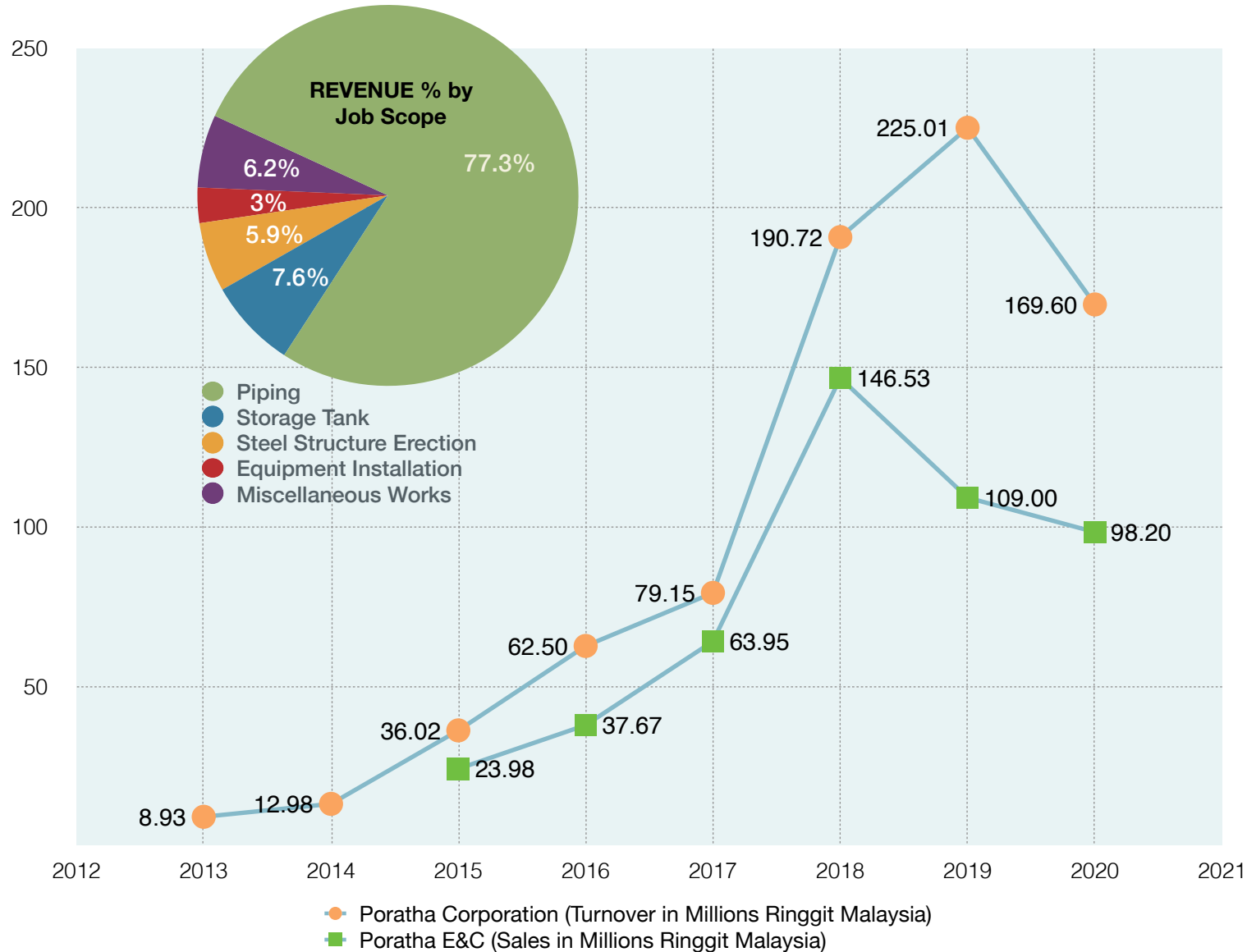
**P**oratha Group have seen exponential growth with a turnover of over US\$100 Million (MYR 400 Million) and continue to grow and evolve as a preferred partner due in part to our commitment and dedication to our craft and our excellence on deliverables to our clients.



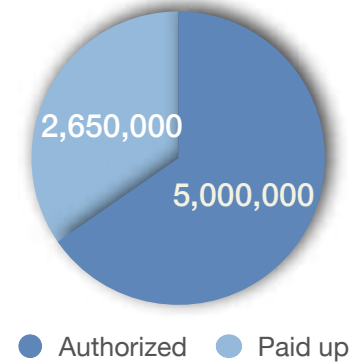




## GROWTH & TURNOVER



**AUTHORISED VS PAID-UP CAPITAL (RINGGIT MALAYSIA)**



### Directors

The Board of Directors comprise of the following:

- Naresh Nair A/L Surasan (79%)
- Sheila Dewi A/P Vadivaloo (21%)

## — CLIENTS & PARTNERS

**O**ur clients are not just customers to us, they are our partners. Leaders in their respective fields, they command international as well as regional presence.

Our track record and client satisfaction builds relationships that are long term ones. At Poratha we are privileged to continue working alongside with them.







## LOCAL & INTERNATIONAL CUSTOMERS

- Alstom
- Amalgamated Metal Corp
- ASSE Technologies
- ATB Sdn Bhd
- Audex Pte Ltd
- GE Power
- Hamon (Belgium)
- Hiap Seng Singapore
- HQC Engineering
- Matrix
- McDermott Asia Pacific
- Metix SMS Group
- MIE Industrial
- Mitrajaya
- MMHE
- Shell
- Shin Eversendai
- Siemens
- Sigma Water Engineering
- Sino Petrochemical
- SungChang E&C
- Bahru Stainless
- Blast & Peen
- Blue Scope Lysagth (Aus)
- Bunge Loders Croklaan
- IAQ Solutions
- Ice Petroleum
- IFFCO Malaysia
- IHI
- IPSB
- Ishi Power
- Paharpur Cooling Tower Ltd
- PEC Ltd
- Pertama Ferroalloys
- Petrofac E&C
- Powertium Engineering
- Technicas Reunidas
- Technip FMC-Rotary
- Technofit
- TecnimontHQC
- Toyo Engineering
- Toyo Kanetsu K.K.
- TTML Engineering
- Cenviro
- China Energy Engineering
- Chiyoda
- CPP Petroleum
- JEL
- Jurong Engineering Ltd
- Rotary Engineering Fujairah
- Sabah Ports
- Sakura Ferroalloys
- Samsung Engineering
- Sankyu S.A.
- Sapura Energy
- Sato Kogyo
- SDP Global
- UTOC Engineering
- DemcoTech
- Dialog Group
- Dyna-Mac
- KNM Process Systems
- KBR
- Larsen & Toubro
- Linde (Germany)
- Lotte E & C



SIEMENS



ALSTOM



# PROJECTS

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PETRONAS RAPID PROJECT  
LINDE MARLIN LNG  
TANJUNG BIN POWER PLANT  
JAMEX EXPANSION PROJECT  
SAKURA PROJECT







## PETRONAS RAPID PROJECT

**M**alaysian Oil & Gas company Petroliam Nasional Berhad (Petronas) has developed a refinery and integrated petrochemical project (RAPID) and other associated facilities in Pengerang, Southern Johor, Malaysia, through a project called Pengerang Integrated Complex (PIC).

Launched in May 2012, PIC is part of the larger Pengerang Integrated Petroleum Complex (PIPC) proposed by the Johor state government.

Poratha has been deeply entrenched and involved with the RAPID project since inception in early 2016.

Our involvement at several stages and parcels of the development for this project alone are evident of our vast experience at this site where our achievements and project completion activities are extensive.

- Completed piping fabrication of 53,000 DB and 265 MT special support for Steam cracking complex unit under Toyo Engineering Ltd Japan.
- Piping (25,000 DB) and its supports (480 MT) fabrication and erection in SRU (Sulphur recovery unit) and ARU (Amine recovery unit) under Petrofac Engineering Sdn Bhd.
- Completed turbine pressure piping and lube oil piping for 320 MW.
- Completed erection of fire water storage tank capacity of 25,400 cu mt (2 nos), 14,540 cu mt (1 no), 9,817.5 cu mt (2 nos).
- Completed fabrication and assembly of 15 nos pipe rack module and rigging platform for Exxon Mobil Singapore under Dynamac.



## LINDE MARLIN LNG

The PETRONAS LNG Complex in Bintulu, Sarawak comprises three LNG plants owned and operated by PETRONAS' joint venture companies - Malaysia LNG Sdn Bhd, MLNG Dua Sdn Bhd and MLNG Tiga Sdn Bhd respectively.

An integrated world-class LNG production complex spread over 276 hectares of land, it receives its gas supply from upstream facilities offshore Sarawak.

With a total of eight production trains and a combined capacity of 24 million tonnes per annum (MTPA), the complex is one of the world's largest LNG production facilities at a single location.

Poratha undertook this project and completed the following project tasks under PEC Singapore.

- Installed Air-fin cooled condenser and completed fabrication & installation of equipment, structure and piping in compressor house, boil of gas unit and Nitrogen generation unit.
- Completed piping erection of cooling water and heat exchanger stack.
- Piping fabrication and erection of 20,000 DB in Train 9.







## TANJUNG BIN POWER

**T**anjung Bin Energy (TBE) power plant in Kukup Johor Malaysia, also known as T4, is a super critical coal-fired power plant developed by Tanjung Bin Energy Issuer, a part of Malakoff Corporation.

The project is located at the southern tip of the West Malaysian Peninsula.

The 1,000MW newly constructed unit is an extension of Malakoff's existing Tanjung Bin Power Plant (TBPP), which has a generating capacity of 2,100MW.

The boiler has a main steam flow rate of 3,226t/hr, whereas the superheater has an outlet steam pressure of 282 barg at a reheat temperature of 600°C.

The plant uses STF 100 steam turbines with one high-pressure, one intermediate and two low-pressure turbines along with a two-pole gigatop hydrogen-cooling technology utilising turbo generator for high efficiency and reliability.

Poratha's work at the Tanjung Bin and Manjung Plants are as follows:

- Completed fabrication, assembly and installation of non-pressure parts such as fuel gas duct and air ducting.
- Completed erection of high pressure piping, turbine piping and balance of plant piping for Manjung #5 Power plant in Perak.



## JAMEX EXPANSION PROJECT

Jebel Ali M-Station, UAE's biggest power production and desalination plant, has an installed capacity of 2,060MW and 140 million imperial gallons of water per day (MIGD).

It is located within the Jebel Ali Power Plant and Desalination Complex, which accommodates six other stations and produces 7,800MW of electricity.

It is located along the shore of the Arabian Gulf, adjacent to the Jebel Ali Free Zone. Dubai Electricity & Water Authority (DEWA) is the operator.

Commissioned in April 2013 with a total investment of approximately AED10bn (approximately \$2.7bn), the Jebel Ali M-Station is the latest addition to the complex.

Its installed capacity is sufficient to serve the electricity needs of approximately one million households in Dubai.

Poratha was involved with the following works at this plant:

- Piping erection of balance of plant piping and HRSG mechanical installation work for 700 MW thermal boiler plant.



هيئة كهرباء ومياه دبي  
Dubai Electricity & Water Authority





## SAKURA PROJECT

The Sakura Project was a joint venture for the development of a smelter facility in Samalaju Industrial Park, Sarawak, Malaysia. The Project was a Green fields project, producing high-carbon-ferro-manganese and silicon-manganese products.

The facility operates two 81MVA furnaces complete with raw material handling, storage, proportioning, feed systems, furnaces, gas cleaning, alloy casting, slag handling, product crushing, screening and stockpiling, and associated ancillaries.

Our Scope of works included:

- Final product area Steel structure and Conveyor erection of 80 Tons with Idlers & Pulley, Vibrating feeders, Motors installation and Belt pulling & splicing works.
- Gas Cleaning Plant Steel Structure and Duct pipe erection of 170 Tons.
- Raw material handling area Steel structure and Conveyor erection of 360 Tons with Idlers & Pulley, Vibrating feeders, Motors installation and Belt pulling & splicing works.

- Plant Clinic and Training centre civil works of 1,780 meter square with all required doors, windows, tiles and Painting works.
- Dryer Plant Conveyor Steel structure Fabrication, Blasting and Painting works of 100 Tons
- Dryer Plant Conveyor Steel structure erection of 120 Tons with Idlers & Pulley, Vibrating feeders, Motors installation and Belt pulling & splicing works.
- Drying Plant Equipment Installation of 135 Tons.



## GLOBAL PRESENCE

- MALAYSIA
- AUSTRALIA
- INDIA
- SINGAPORE
- SULTANATE OF OMAN
- THAILAND
- UNITED ARAB EMIRATES







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