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1 About OCN

OCN International was established in 2012 as a group of specialist companies to form a multidiscipline entity to provide clients with a complete project management, engineering, construction, commissioning and maintenance service for the oil and gas, refining, petrochemical, power generation, bio-diesel, water treatment, pharmaceutical, metal ore smelting / refining and other hitech industries.

The combined strengths and professional experience of the constituent companies in working with, and for, major international clients and EPCC contractors are made available to our clients through a one stop solution. OCN provides a professional project management, design, engineering, procurement, construction commissioning and maintenance service to our clients without the need to engage multiple contractors thereby minimising interface difficulties, and ensuring a single point responsibility.

As an ongoing development of OCN capabilities we have recently established two companies dedicated to meeting the clean and green energy needs of the region and have acquired licenses to import, trade and distribute LNG.

With offices in Singapore and Malaysia, and a wealth of experience and technical know-how in the major engineering disciplines, OCN is well placed to deliver one stop technical and management services to multi-national clients within the East Asia Region.

OCN Constructors Sdn., Bhd., is the lead company within the Group providing overall management services through a structured framework. OCN Constructors also provide full project management, EPCm, and self-perform services using the complementary resources of the OCN Group companies who are specialists in their respective disciplines.

KIM Technology & Systems Engineering Pte., Ltd. Is one of the two founding companies of OCN, is an ISO 9001 certified EPC company specialising in commercial, industrial, biomedical and pharmaceutical projects. Established in 1982, the company designs and installs both metallic and non-metallic industrial piping systems for: potable and de-ionised water, industrial gas and compressed air distribution systems; hose reel, hydrant, sprinkler and deluge fire detection / protection systems; vacuum piping, process and chemical waste, and double containment piping systems.

GDS Engineering Pte., Ltd. The second of OCN's founders, is registered with Singapore's Building and Construction Authority (BCA), and for over three decades, has provided a fully integrated project management service for: design and build projects; servicing and maintenance of mechanical and electrical services for various industrial complexes including cleanrooms and bio-laboratories.

OCN Global Sdn., **Bhd.**, provides a complementary service to other Group members and the wider Malaysian industrial and construction sectors as a whole by providing maintenance, manpower supply, consultancy and business development services.

OCN Consulting Engineers Sdn., Bhd. With more than 25 years' experience in design engineering, and using the latest engineering software, OCN personnel bring design and detail engineering expertise to projects to provide clients with cost effective engineering solutions in the structural, civil, and mechanical engineering disciplines.



OCN Energy Resources Sdn., Bhd., addresses the clean and green energy needs of the region and is active in importing and distributing LNG, developing LNG / CNG virtual pipelines, the design and installation of virtual pipeline mother and daughter stations, small scale LNG regassification units, CNG bottling, supply and distribution services, and together with its sister companies provides engineering and construction services to the green energy sector including solar energy design and installation services

OCN Energy International (Hong Kong) Ltd., was established to provide an energy supply service to clients within China using the complementary services of our Malaysian sister company.

OCN - Ritma Sdn., **Bhd.**, started operations in 2003 and provides mechanical engineering design and construction services to agro-based industries, oleo chemical, oil and gas, and other related industries. OCN Ritma's main area of expertise is with the provision of design and build services to the green energy sector, where its experience with the design and construction of bio-diesel, biogas, and bio-mass fuelled power plants is widely recognised.

OCN Technology Sdn., **Bhd.**, was initially established to develop an in-house enterprise management system specifically catering for the needs of engineering and construction projects. After its successful implementation within the group, OCN are now able to offer either standard or tailor made enterprise management and project management solutions to suit the individual requirements of other small and medium size enterprises.

1.1 Associate Partners

Zhejiang Supcon Technology Co., Ltd. Supcon is a China based instrumentation and control system design and build company with whom OCN has an exclusive installation and servicing agreement within Malaysia. Their Chinese major domestic clients include CNOOC, Mingshui Chemical, Zhejiang Petrochemical Corporation, Anhui Huayi Chemical Co., and their overseas clients include: KDPL India; Dinh Vu - Cat Hai Economic Zone, Vietnam; Vientiane Hongshi Saythirath Cement, Nepal; Mongolia Erdenet Power.; etc.

cavAsia Pte., Ltd. Based in Singapore cavAsia is a multi-national design and build contractor with the capability to deliver advanced technological solutions to ensure hygienic and disturbance-free production primarily in the electronic, solar renewable energy, pharmaceutical and other high tech industries.

Danex Sdn., Bhd. Danex has been providing plant shutdown and turnaround services for major oil and gas multinationals in South East Asia and Europe since 1986. Danex specialises in rotating and static equipment installation, maintenance and insulation services, and have successfully completed numerous plant shutdowns and turnarounds for major international oil and gas and power companies throughout South East Asia, Europe and Russia.

NAEC Malaysia Sdn., Bhd. A subsidiary of Nanjing Auto Electric Company in China with an automated piping fabrication facility in Johor, which is conveniently situated for projects in both Malaysia and Singapore, and for the export market. OCN has a strategic collaboration agreement with NAEC and as such has access to their state of the art facility. Clients within China and Malaysia include major oil, gas and petro-chemical companies.

P.T. Apeco Kencana. Based in Indonesia, Apeco Kencana work with OCN in providing construction, maintenance and management services for the power generation, LNG, fertilizer, and pulp and paper industries. These services include tank construction, civil and structure design and installation, static and rotating equipment installation and maintenance, electrical and instrumented control systems, piping installation, and commissioning and testing.



2 Licenses



OCN International Group Companies registered in Malaysia are CIDB G7 Contractors, allowing us to undertake projects of unlimited value.

Similarly, our Singapore entities, are registered with the Building and Construction Authority and have pre-qualified based on high standards of safety and building quality excellence.

Malaysia

CIDB G7

Petronas License 1095603-D for numerous categories including:

- Consultancy services civil and structural engineering.
- Instrumentation maintenance, cabling and wiring works.
- General instrument maintenance.
- Manpower supply various trades
- Mechanical engineering maintenance floating roof / fixed roof storage tanks / metallic structures / piping.
- Offshore facilities fabrication onshore: structural, mechanical, electrical and instrumentation.
- Civil and structures construction and maintenance.
- Instrumented shutdown and safety systems.
- Instrumented process control and monitoring systems.
- Mechanical corrosion protection.

TNB License K22163892101492554

Singapore

BCA Registered Contractor, ME15, L6, 198305358E

EPPU Registered Contractor.

Qualified Electrical Contractor Certificate.

ACES / IES Registered Electrical Contractor.

Singapore Electrical Trade Commission.



3 Q-HSE Integrated Management System







OCN takes pride in having established integrated management systems to deliver projects that meet customers' expectations in terms of quality, safety and the environment. Our commitment is reflected by allocating resources to develop, maintain, and continuously improve management systems which comply with or exceed recognised international standards. In recognition of this, OCN has been "Green Banded" by both Petronas and Shell enabling OCN to bid for and execute work on any of their projects.

3.1 Q-HSE Policy Statement

The Senior Management of OCN Constructors Sdn., Bhd., believe that it is our duty to our employees, our clients, the general public, and the environment to ensure that our business is conducted safely, with integrity, and with respect for people and the environment.

To meet these obligations, OCN has developed an integrated Health, Safety, Environment and Quality (HSE-Q) Management System which complies with all statutory regulations and meets or exceeds major international norms.

This management system, which is fully supported by OCN Directors and the Chairman, puts in place procedures to enable and encourage all employees to make a positive contribution to the welfare and well-being of their colleagues, our clients, the public, and the environment.

Our specific policy is to:

- Do no harm to people, property, or the environment.
- Identify, analyse, and effectively manage all hazards associated with our business activities.
- Promote the ideals of providing services and products that meet, or exceed our clients' HSE and quality expectations.
- Continually monitor and improve our HSE-Q systems and performance through feedback from employees, third parties and internal and external audits.
- Promote an HSE-Q culture to ensure the full commitment and participation of all our employees, irrespective of their position within the organisation.

All employees are expected to share the responsibility in maintaining these policy objectives:

- Management is accountable for preventing workplace injuries and illnesses and will consider all employee suggestions for achieving a safer, healthier workplace.
- Management will keep itself informed about workplace safety and health hazards and regularly review the Company's safety and health program.
- Supervisors are responsible for supervising and training workers in safe work practices.
- Supervisors must enforce company rules and ensure that employees follow safe practices during their work.



• Employees are expected to immediately report hazards, unsafe work practices, and accidents to supervisors as soon as they arise, wear the required personal protective equipment, and participate in safety and health programme activities.

3.2 ISO Certification

ISO 9001 : 2015 Quality Management Systems:

Provision of Project Management, Design and Build Process Industries: Biomass Fuelled Power Plant, Biodiesel Plant, Oleo chemical Plant and Similar Industries and Systems.



Global Group Registration No - 44Q14230

Design & Installation of Piping System for Petrochemical & Pharmaceutical Industries EQAICC Registration No - QU120041

· Construction of Civil, M&E and Building Works QEC Registration No - 21679516/13/Q

ISO 14001 : 2004 - Environmental Management System

 Construction of Civil and M&E Works QEC Registration No - QEC41422062

ISO 45001 : 2018 (ISO-14001) - Occupational Health and Safety Management System:

- Design and Installation of Civil and M&E Works QEC Registration No - QEC 87201580/13/O
- Design & Installation of Piping System for Petrochemical & Pharmaceutical Industries Registration No - OA120106

SS 506 : Part 1 : 2009: Occupational Health and Management System

- Design & Installation of Mechanical & Electrical Engineering System GIC Certificate No - 683138
- Design & Installation of Utilities, Gas, Plumbing & Sanitary Systems GIC Certificate No - 683640

Singapore WSH Council

 Biz SAFE Star Certificate No - E03692





4 Our People



OCN is managed by experienced professionals drawn from a wide range of engineering, construction, and industrial disciplines who understand the operational needs of a client and the complexity involved when undertaking large projects.

As leaders in their respective fields, OCN personnel provide assurance that clients' projects and undertakings will be managed in a professional, safe and ethical manner, whilst ensuring compliance with the client's particular requirements for quality, cost and schedule.

OCN can number the following key personnel among its staff:

Ir. Dr. Michael Tang Khai Hing

Dr. Michael Tan's experience extends from basic, conceptual and detail engineering design of offshore substructures, including foundations, jackets and piles, modular and integrated topsides, pipeline riser design, onshore facilities including steel and R.C. storage tanks, heavy equipment and tank foundations, jetty, large steel structures and their foundations.

Dato' Ir. Wan Hassan Wan Mamat

Dato' Wan Hassan has more than 30 years' experience in instrumentation and control engineering with Petronas and has been responsible for several high value on shore and off shore gas field development projects both in Malaysia and overseas. Other experience includes broadcasting, telecommunications and semiconductor / integrated circuits manufacturing experience which was acquired prior to joining Petronas.

Ir. Patrick Lim Chung Pet

Patrick Lim has more than 15 Years of engineering experience in the oil and gas Industry, serving both the onshore and offshore sectors for oil majors such as Shell, Petronas, Cabot, BASF and others. He has gained extensive design experience working with several Malaysian oil and gas contractors, and has undertaken design and engineering work for refineries, petrochemical plants, hydro-power generation, pharmaceutical and offshore structures.



Ir. Yong Tan Heang

Yong Tan Heang, has over 30 years of experience in the industry. His project portfolio includes the design and construction of telecommunication towers, bulk storage tank farms, boilers, pressure vessels, process equipment, biodiesel plants, biomass fuelled power plants and palm oil mills projects.

Ng Aik Hock

Ng Aik Hock has over 26 years of project management and execution experience in design, engineering and construction within the Oil & Gas industry, refineries, petrochemical plants, LPG spherical tanks, pharmaceutical plants, cement plants, infrastructure projects, airports, mass rapid transit, sewerage treatment plants, water treatment plants, water cooling towers, chilled water plants and other general industries.

Lee Hock Hwa

More than 30 years of experience in providing rotating and static equipment installation and maintenance services to the oil and gas and petro-chemical industries, Lee Hock Hwa can also demonstrate significant expertise in providing turnaround services and management in live plant situations in refineries and petro-chemical installations. Clients include: Shell, Exxon, Petronas, and major international EPC contractors.

Leslie Ayre

Leslie Ayre has more than thirty years of experience on major onshore oil, gas (LNG), and petrochemical projects for Shell and Shell affiliated companies. He has worked for several international oil and gas contractors and a nuclear engineering consultant, and has held senior management and project management positions on major projects with Toyo Kanetsu KK, Japan (TKK), and the Shell Group of Companies on major projects within Asia.

Lee Hoe Min

Lee Hoe Min has been managing procurement and contract related matters for over 17 years in building works, semiconductor wafer plants, oil and gas live plant revamp projects, as well as bio diesel and bio mass power plant projects. He has detailed knowledge of bid proposal preparations, development of project execution plans, management of prime and subcontracts, prequalification of subcontractors / suppliers, detail scope of work write-ups, bid documents preparations, bid analysis, contract negotiations, post contracts administration, contract billings, change order management, extension of time and claims settlements and contract close outs.

Josef Klebert

More than 25 years' experience in engineering, design and construction management of photo mask, semi-conductor and photo-voltaic manufacturing facilities within Europe and South East Asia including semi-conductor wafer fabrication facilities and clean room design and installation works for company's such as: Robert Bosch; IBM; Daimler Benz; and Telefunken all in Germany and Chartered Semi-Conductors; Infineon Power; DuPont; and First Solar in SE Asia.



5 Group Services

As projects have become more complex, there is ever increasing pressure to reduce costs and project schedules whilst maintaining safety and quality and limiting the environmental impact. This, together with competition for capital, and the demand for a more efficient use of that capital, requires a professional, qualified and experienced resource to meet the client's expectations.

OCN has the integrated corporate structure and resources to meet this challenge, and can draw upon the combined experience of our key personnel to provide a complete service to both major international and regional clients.

All of OCN's services can be offered as a complete package as an overall management, construction, and commissioning service, or may be provided as separate discrete services whereby OCN personnel integrate with the client's management team to provide specialist support.

5.1 Project Management



OCN provide a complete project lifecycle service from projects feasibility, through definition, planning, implementation, and close out providing a single point of responsibility for all phases of a project. In particular, our personnel are experienced in both managing and executing:

- design and detail engineering;
- authority and permitting;
- project control services estimating, cost, schedule, risk, change, and project close out;
- contracts and procurement management;
- construction management;
- start up and commissioning;
- operations and maintenance;
- · and shut down and turnaround works.

All project management services are delivered within a robust framework of procedures to deliver the Health, Safety, Security and Environmental performance and provide Quality Assurance and Control services that meet or exceed our clients' requirements.

5.2 Design and Engineering





Our professional engineers have the experience and capability to provide the full range of design services for civils, structures and architecture; piping; mechanical - static and rotating equipment; piping; electrical, Instrumentation and control; and life safety systems over a wide range of industries, including:

- petrochemical,
- power generation
- oleo chemicals
- palm fibre production plants; etc.
- BSL laboratories
- waste incineration

This expertise is available to our clients as a part of a complete design and build package, or as a specialist service to supplement their existing inhouse personnel.

OCN's engineers have access to the latest in structural steel, piping, pressure vessel and plant design software to ensure that a client's needs are accurately and economically translated into an efficient and ergonomic operating unit. Such software includes:

- Staad
- Intergraph
- CADworx
- Orthogen

- virtual pipelines LNG / CNG
- refineries
- biodiesel
- metal ore smelting / refining
- cleanrooms



- ProTekla
- Tanks Caesar II
- CADworx P&ID
- PVElite

5.3 Authority and Permitting



OCN personnel have a complete and full understanding of Malaysia and Singapore regulations, guidelines and requirements pertaining to facilities permits and licensing and provide authority and permitting services throughout the project, from feasibility to facilities start up. Our personnel provide efficient co-ordination of permit preparation, submission, processing, clarification and compliance guidance to secure approvals from the relevant government agencies.

5.4 Bio Diesel and Bio Mass Design

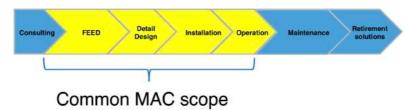
OCN work hand in hand with technology licensors and providers to develop and deliver efficient process and balance of plant designs for bio diesel, bio mass, and waste incineration plants.

The expertise gained over the past 20 years is available to our clients as a complete design and build package ensuring a cost effective solution.

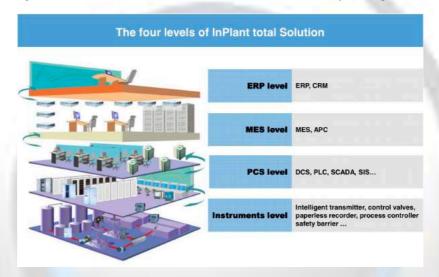


5.5 Instrumentation and Controls

OCN has an exclusive agreement with Supcon Zhejiang to support and install their products within Malaysia and have successfully demonstrated our MAC capabilities on a project for a major oil and gas producer within Malaysia



In addition, OCN and Supcon can provide total plant management solutions from individual field instruments through to ERP level, which can also be controlled remotely through web based solutions.



5.6 Contracting and Procurement

Contracting and procurement, unless carefully controlled, is one area of a project that can make a significant adverse impact on cost and schedule. OCN C&P personnel have the experience to control every aspect of the supply chain management process from vendor selection through to final delivery and warehousing, and have the ability to negotiate and monitor contractor performance and to recommend the appropriate actions to mitigate schedule and cost impacts.

5.7 Project Controls

Professional and timely project controls is key to ensuring a successful Project. OCN offers a complete project controls service, either as a stand-alone service whereby the OCN personnel are integrated into the client's organisation, or as a part of a complete Project Management Team. Our services include estimating, both pre-award and during project implementation, cost and schedule control, change and risk management.



5.8 Construction Management

OCN's experienced construction professionals offer clients a comprehensive construction management service, which draws on a technical manpower supply of specialists, field engineers, superintendents, supervisors, technicians and skilled tradesmen.

5.9 Start Up and Commissioning Assistance

Our commissioning personnel work closely with the main construction and management groups through every stage of the project to ensure an effective transition from construction to handover to reduce clients' costs while meeting schedule and specifications. This encompasses the systemisation process, through checks and audits to turnover management ensuring that every part of the plant is tested and commissioned to meet the clients' expectations for reliability, safety and performance.

5.10 Turnaround and Shutdown





Turnarounds and shutdowns, whether planned or unplanned, need to be efficiently executed to minimise cost and downtime for the client. This work is frequently performed under live plant conditions, or as a part of a major overhaul when the total plant is shut down. OCN has more than 20 years' experience in undertaking work of this type and has both the technical and physical resources to meet the client's cost and schedule constraints.

5.11 Health, Safety, Security, and Environmental Management



HSSE Management is an important aspect of project performance. Whist the safety of its employees is paramount, OCN considers that it has a wider responsibility to its client, other contractors, and to the community. As such, OCN implements a proactive Health, Safety, Security and Environmental Programme to meet both obligations to our client, the environment and the community at large. Our services include Hazard Identification and Risk Management, Training, Environmental Management and Compliance Programmes, HAZOP and Plant Safety Engineering, and Industrial Hygiene Programmes.



6 Industries Served

OCN International, through its Partner Companies has a reputation for reliability, efficiency, and quality as a specialist service provider to both international and local engineering, procurement, construction, and maintenance companies spanning multiple industries.

6.1 Oil, Gas and Petro-Chemical

OCN project teams have extensive experience working in refineries, petrochemical, bulk storage terminals for oil, LPG, chemicals and utilities.

Services include both management and execution of structural steelwork, tank farms, piping - metallic and non-metallic, static and rotating equipment installation, commissioning and maintenance, electrical, instrument and control installation and maintenance, and shut down and turnaround work.

Our personnel are fully conversant with safe working practices and operational requirements in both Green Field and Live Plant Conditions, and are fully experienced in developing the requisite Job Method Statements, Job Hazard Analyses, Permit to Work Systems, and Quality Plans.



6.2 Power Generation



The power generation and distribution sector is served through the provision of support services both directly and indirectly to the construction and commissioning of new power plants and other related power generation and distribution infrastructure.

OCN provide a full range of services to execute new construction and modification works in all areas to major power generation installations, including: structural steel, tank farm, piping, static and rotating equipment, electrical, instrumentation and control systems.

6.3 Renewables

Working with internationally recognised technology providers, OCN has a proven track record in providing turnkey design and build solutions for bio diesel and bio mass power plants and oleo chemical plants.



6.3.1 Bio Diesel Processing Plant

OCN, together with our technology partners, provide turnkey design and build solutions for bio diesel plants. OCN provide engineering, procurement, construction and commissioning of all related systems in this sector, covering bulk storage tank farms for process and waste materials, process piping, water treatment, heating, cooling, fire detection and protection, utilities, and electrical, instrument and control systems.



6.3.2 Biomass Power Plant

OCN's experience in the biomass power plant industry is unparalleled in that we have designed, constructed and commissioned a number of biomass power plants and have considerable experience with fuel processing, fuel handling, conveyor and feed systems, boiler installation, sludge and oil recovery systems, systems integration, and utilities.

6.3.3 EFB Long Fibre Production Plant

Design and build solutions are available to our clients for the production of long fibre from oil palm empty fruit bunches (EFB), as well as short fibre and pellets / briquette by products. OCN can design and install conveyor, feed, decorticating, drying, sieving, cooling, baling, pelletizing / briquetting systems whilst providing pollution control, storage and transport solutions.

6.3.4 Solar

In keeping with the need to develop more sustainable forms of energy, OCN can offer the design and installation of commercial solar energy systems to suit individual requirements. This can take the form of solar farms in open countryside, solar panels in mixed arable / livestock farming environments or by utilising the space on the roof of commercial properties in urban areas.

6.4 Metal Ore Smelting / Refining





OCN provide a full range of services to execute new construction and modification works in all areas of this sector, including: structural steel, tank farms, piping, static and rotating equipment, electrical, instrumentation and control systems.

6.5 Industrial Manufacturing, Pharmaceuticals and Life Sciences

OCN serves the industrial manufacturing, semiconductors, biomedical, pharmaceutical and life science sectors with a complete range of project services and execution of work. Working under clean room protocol and GMP conditions, OCN supply, install and commission the full range of facility mechanical and electrical including:

- natural gas / fuel gas piping
- · process and vacuum piping
- chilled, de-ionized and ultrapure water piping
- fire detection and protection
- · compressed air piping
- bulk and specialty gas piping
- process and chemical waste double containment piping
- electrical, instrument and control.

6.6 Energy Supply and Virtual Pipeline (LNG / CNG)





OCN Energy addresses the clean and green energy needs of the region and is active in importing and distributing LNG, developing LNG / CNG virtual pipelines, the design and installation of virtual pipeline mother and daughter stations, small scale LNG regassification units, CNG bottling, supply and distribution services, and together with its sister companies provides engineering and construction services to the clean and green energy sector including solar energy design and installation services. OCN services include:

- complete design and build for LNG / CNG tanker loading facilities (virtual pipeline);
- licensed import and storage of LNG for power generation;
- bottled LNG / CNG supply and delivery.



6.7 Water Industry

A core capability of OCN is the provision of a wide range of solutions to cater for the various Industrial water requirements, and as such provide cost effective engineering and project management services for water and process technologies in the following areas:

- municipal water treatment plants;
- · sewerage treatment plants;
- industrial waste water treatment;
- rain water collection and treatment;
- ultra-high purity water system;
- · seawater desalination plant;
- potable and process water clarification and filtration;
- surface water, waste water and ground water filtration and treatment;
- drilling / development of beach / ground water wells and monitoring;
- re-engineered process filtration membranes and cartridges;
- oil and grease removal for water or process stream based on proprietary coalescing technology;



- precision chemical injection systems for industrial applications such as oil and gas, petrochemical and semiconductor sectors;
- upgrading and refurbishing water and waste water plants; and
- side stream filtration equipment for cooling water systems.

OCN also provides re-engineering services to upgrade or improve existing process filtration based on latest technologies to achieve higher purity, and filtration systems for seawater injection systems on offshore platforms.

6.8 Commercial and Industrial Building









Since the establishment of its parent companies, OCN has been a leader in providing commercial and industrial building clients with a complete design, supply, install, commission, and maintenance service for the following M&E disciplines:

- ACMV, HVAC, AHU, ventilation systems;
- · chilled water plants;
- · cooling towers;
- · intelligent building management;
- fire detection and protection;
- electrical and control systems.





7 Construction Capabilities

OCN is a CIDB G7 registered company and as such can undertake projects with an unlimited value.

Construction works can be completed as prefabricated components for site erection, as skid mounted modular process units ready to be tied in to existing facilities on site, or completely built up on site. Whatever the case, OCN has the resources, facilities and capabilities to provide clients with the most cost effective and efficient solution.

Our construction management teams have a wealth of experience which enables them to identify and correct potential problems before they occur, and to provide the necessary leadership to ensure a safe and efficient completion of a project. OCN's tradesmen are fully experienced in their respective disciplines, and where appropriate, are qualified to recognised international standards, e.g., ASME for welders and inspectors, CSWIP for NDT personnel, certified competent persons for electrical installations, etc.

7.1 Our Facilities

OCN has several fabrication workshops at its disposal:

- · a fabrication yard in Klang, Selangor,
- equipment maintenance workshop in Port Dickson, Negeri Sembilan,
- and a pipe fabrication facility with our strategic partner NAEC, in Johor.

7.1.1 Fabrication Yard - Klang, Selangor

Our Port Klang facility is fully equipped with plate rollers and precision cutting equipment to enable a high throughput of structural steelwork, fabricated tanks and prefabricated tankage components, vessels, and silos





7.1.2 Equipment Maintenance and Fabrication Facility - Port Dickson

The Port Dickson facility has recently been expanded to include a 1,200 sqm working area complete with sufficient overhead crane capacity to permit the construction of modules weighing up to 20 tonnes.

This workshop also serves as our maintenance centre where a full range of site equipment is cleaned, repaired, tested and stored ready for site use. Typically, the equipment includes, compressors, welding generators, bundle pullers, laser alignment equipment, hand tools, lifting blocks, and specialised rotating equipment maintenance equipment





7.1.3 OCN Strategic Partner NEAC Pipe Fabrication Facility - Johor.

Through our Collaboration Agreement with NAEC, we are able to offer the services of their well-equipped piping fabrication workshop which is conveniently located to ensure good access to all major oil, gas, chemical and power generation facilities in Johor.



EOT Crane 3.2MT x 2 nos.

EOT Crane 5 MT x 4 nos.

EOT Crane 10 MT x 4 nos.

Gantry Crane 10 MT x 7nos.

Trolley 20 MT x 5nos

Auto Shot Blasting Line 1no.

Automated Pipe Spool

Fabrication Production 6nos. Line (1 million DI output)

A number of Storage Rack



7.2 Structural Steel Installation and Pre-fabrication Works





OCN Group Companies have the workshop facilities to pre-fabricate production modules, static process equipment, rotating equipment skids, piping spools - both metallic and non-metallic, storage tank components, structural steelwork, conveyor systems, etc.

7.3 Tank Farms and Distribution Systems





OCN has extensive experience in the design and installation of tank farms and associated piped distribution systems which comply with international standards.

Our construction teams are fully conversant with international construction and testing regulations for both installation and repair services in accordance with API-653 specifications.

7.4 Piping

OCN have extensive piping fabrication and installation capabilities for metallic and non-metallic piping, covering a wide range of materials and piping systems in both carbon steel and other exotic ferrous and non-ferrous metals for all types of applications, including:





7. Construction Capabilities

- oil and petrochemical processes,
- cryogenic and low temperature processes
- fire detection and protection.
- · natural gas,
- · utilities,
- fuel gas,

OCN also fabricates and installs non-metallic piping materials such as GRP, HDPE, in all grades for:

- · chemical distribution,
- · process waste,
- · desalination,

- · high purity water,
- · sea water cooling,
- and other special process systems.

7.5 Electrical

OCN installs, tests, commissions and maintains electrical systems, either in collaboration with major international vendors or self performs to in-house or client's engineering requirements.

Electrical works include internal power distribution systems for the oil, gas and petrochemical industries where the requirements are subject to strict control, and for general industrial applications



7.6 Instrument and Control Systems



Together with our strategic partner Supcon, OCN designs, installs, and commissions plant control systems across all industries to meet client's individual requirements.



7.7 Production Modules and Skid Assemblies





Our workshops have the capacity to fabricate and assemble skid mounted equipment packages to clients' design and drawings, or from in-house design packages to meet a client's specific requirements.

7.8 Equipment Installation and Maintenance





OCN has the capacity and experience to install and maintain both static and rotating equipment, including their power supplies and control systems.

Our experience extends to providing labour and materials for planned or unplanned shutdowns of rotating equipment at short notice and have the necessary tools to ensure perfect alignment of all rotating components.

7.9 Building M&E

OCN provides a fully integrated installation and maintenance service for mechanical and electrical works for all types of commercial buildings. This includes: ACMV, chillers, generators, fire detection and protection, pumps, electrical, communications and security systems installation, maintenance and servicing.





OCN International

OCN Constructors Sdn., Bhd.

OCN Global Sdn., Bhd.

OCN Consulting Engineers Sdn., Bhd.

OCN Energy Resources Sdn., Bhd.

OCN Ritma Sdn., Bhd.

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