

DELTAOIL GROUP



A Group of privately held independent companies, with global perspective and reach



Delta Oil International (Deltaoil)

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Delta Oil International (Deltaoil)

Deltaoil Group consists of privately held independent companies operating worldwide and having offices in Sweden, Singapore, Hong Kong, Taiwan, Peoples Republic of China and Nigeria. The Group is actively focused on oil trading, refining, exploration and production activities worldwide and in Nigeria. Thanks to the organizational structure and international network consisting of highly qualified and dedicated professionals, the group can penetrate important markets, establishing good relationships with many companies. The success is attributed to business concept of “Cooperation” instead of competition; “Consultation” instead of confrontation; and “Contribution” to common objectives on a win-win basis. Our goal is to provide services and values to our clients cost effectively and with high professionalism.

History

Delta Oil International (Deltaoil) is a company registered in 1994 and operating under the company laws of the Royal Kingdom of Sweden. From its beginning as a Sole Trader, Deltaoil primarily focused on acquisition and trading of oil products, such as crude oil, diesel, jet fuels, gasoline, marine fuels and lubricants. Later during 1998 - 2000, Deltaoil's interest and focus shifted to acquisition of crude oil for joint-processing under strategic partnerships with refineries. Our approach and business philosophy is to establish cooperation with other companies and maintain global network that includes many agencies and organizations; and this affords us access to key refineries and major oil companies.

In 2006, **Delta Oil International (Singapore) Pte Ltd (Deltaoil SG)** was formed to take advantage of the growing oil trading market in the Asian pacific region.

In 2007, **Delta Oil International (Hong Kong) Ltd (Deltaoil HK)** was formed to focus attention and expand oil business into Mainland China, which was becoming the fastest growing oil market.

In 2008, **Delta Oil International Co. Ltd, Taiwan (Deltaoil TW)** was formed to take advantage of the two major oil refineries and highly developed technical and industrial base in Taiwan.

In 2008 Deltaoil intensified efforts to supply crude oil; and in 2009 established a strategic presence in Mainland China, PRC by forming JV Company, **Delta Oil Technical and Services (Shanghai) Co. Ltd (Deltaoil SH)**.

Encouraged by the positive developments in China, Deltaoil focused attention to Nigeria, where the Group will play significant role and in 2009, formed;

Delta Oil International Development Co. Ltd (Deltaoil DC) to focus on strategic aspects of upstream and downstream business in the Nigerian oil industry as related to relationship with local communities and environment, however, with wider scope of investing and developing projects worldwide.

Delta Oil Global Energy Resources Ltd (Deltaoil GE) to focus and pursue exploration and production activities of oil and gas, including mining of coal, which is an untapped resource in Nigeria and beyond; biomass and fuel from renewable resources.

Delta Oil Refining & Marketing Co. Ltd (Deltaoil RM) to engage in downstream business of refining and marketing of oil products in the Nigerian and international market.



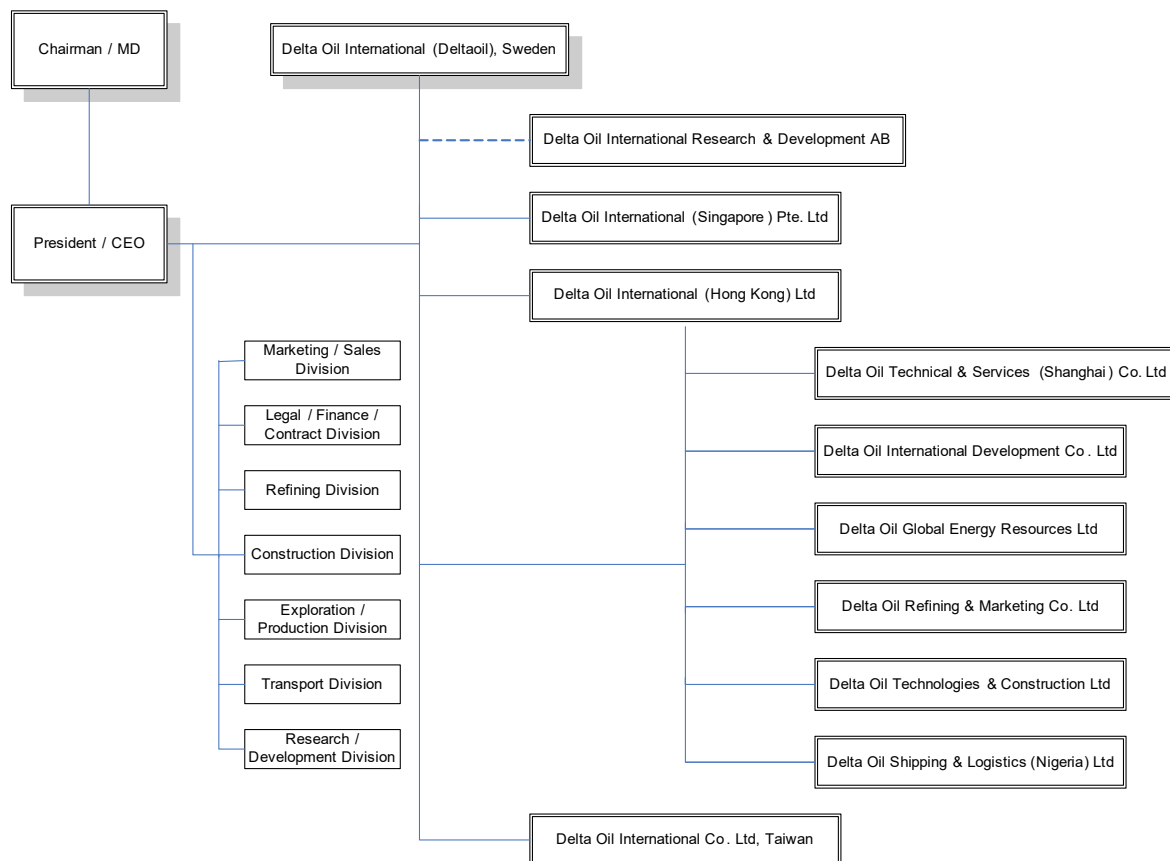
Delta Oil International (Deltaoil)

Delta Oil Shipping & Logistics (Nigeria) Ltd (Deltaoil SL) to focus on handling crude oil and oil products transports and logistics requirements.

Delta Oil Technologies & Construction Ltd (Deltaoil TC) to provide technology and innovation to the Group's operations worldwide and Nigeria and West Africa; and is the Lead Company for the Consortium organized to handle construction projects.

Organizational Structure

Deltaoil is led by the Chairman/Managing Director of the Group. Each company maintains a President's/CEO's Office, General Manager's Office for each Division and Plant Manager's Office for each plant. Each company is independent and operates own account, administration, transportation, etc.; however, the companies maintain effective interaction and share resources and opportunities to be efficient; and plans to diversify into several businesses thru research, development and innovation.





Delta Oil International (Deltaoil)

Principal Information

Company Name:	Delta Oil International (Deltaoil), reg. Nr.: 560320-1491
Address:	Spexarevagen 40 SE-224 71 Lund Sweden
Tel:	+46 76 249 476
Email:	info@deltaoil.se
Year of incorporation:	1994
Country of incorporation:	Sweden
Membership:	Chamber of Commerce & Industries, Southern Sweden. Reg. Nr.: 16628



Delta Oil International (Deltaoil)

Delta Oil International (Singapore) Pte. Ltd



Delta Oil International (Singapore) Pte Ltd is the petroleum hub city of Far East Asia and one of the World's most important oil trading centers.

As many major oil companies and traders maintain presence or offices in Singapore, Deltaoil SG was established to interface and cooperate with these companies to enhance oil trading opportunities and capabilities of the Group.

Deltaoil SG is establishing strategic partnerships with major Refining Groups from the CIS countries

to provide platform and gateway into China market and other important areas, e.g., Taiwan, where Deltaoil Group maintains strong presence and ties.

Deltaoil SG trades oil products, such as Gasoil, fuel oil, petroleum coke, bitumen and lubricants.

Principal Information

Company name:	Delta Oil International (Singapore) Pte. Ltd, reg. Nr.: 200618070W
Email:	info@deltaoil.se
Year of incorporation:	2006
Country of incorporation:	Singapore



Delta Oil International (Deltaoil)

Delta Oil International (Hong Kong) Ltd



Located in the commercial and banking hub of the Far East Asia, Delta Oil International (Hong Kong) Ltd is strategically designed and located to provide the Group a gateway into Mainland China and Pacific Rim.

With excellent banking and corporate Laws of Hong Kong, Deltaoil HK plays unique roles for the Group, actively focusing on oil trading and acquisition of other commodities.

Deltaoil HK has established network, with important Hong Kong based consulting and shipping logistics companies, which provide the Group with necessary business support.

Principal Information

Company name:	Delta Oil International (Hong Kong) Ltd, reg. Nr.: 1 035 020
Email:	info@deltaoil.se
Year of incorporation:	2007
Country of incorporation:	Hong Kong, SAR



Delta Oil International (Deltaoil)

Delta Oil International Co. Ltd., Taiwan



Located in the major industrial city Kaohsiung, Delta Oil International Co. Ltd, Taiwan is designed as a technology company offering specialized know-how and equipments for the energy resources in Taiwan, e.g. Power, Petroleum, Chemical, Steel, Civil Engineering and construction companies. It specializes in the fields of processing oil products at refinery and petrochemical plants and marketing products such as; crude oil, diesel and jet fuels, gasoline, marine fuel oils, LPG and Lubricants in local oil market in Taiwan and surrounding countries.

Deltaoil TW has formed strategic partnerships, with major refineries, chemical and petrochemical companies; and very important relationship with shipping & logistics companies in the region.

On Civil Engineering and Construction, Deltaoil TW derives strength from association and joint-cooperation, with major construction companies and architecture firms in Taiwan.

Principal Information

Company name:	Delta Oil International Co. Ltd., Taiwan, reg. Nr.: 28620071
Tel:	+886 935 691 691
Email:	info@deltaoil.se ; daniel.tseng@deltaoil.se
Year of incorporation:	2008
Country of incorporation:	Taiwan



Delta Oil International (Deltaoil)

Delta Oil Technical & Services (Shanghai) Co. Ltd



Located in the beautiful city of Shanghai, Delta Oil Technical & Services (Shanghai) Co. Ltd is an important and strategic member of the Deltaoil Group providing precision technical & logistics services in and from China.

Despite its young age, Deltaoil SH is managed by experienced and very successful President supported by a team of professionals in the oil industry.

Principal Information

Company name:	Delta Oil Technical and Services (Shanghai) Co. Ltd, reg. Nr.: 310115400254077
Email:	info@deltaoil.se ; daniel.tseng@deltaoil.se
Year of incorporation:	2009
Country of incorporation:	China



Delta Oil International (Deltaoil)

Delta Oil International Development Co. Ltd

Delta Oil International Development Co. Ltd is established to focus on all aspects of businesses, within the oil and gas sectors oil industry as well as civil society, taking local communities and environment into serious consideration. Deltaoil, although formed overseas in Sweden, and for many years operated elsewhere, but in Africa and, Nigeria; it has gained considerable knowledge on how to be “**Agent of Good and Progress**” in the Niger Delta and Africa at large. Therefore, “Development Co. Ltd” is added to the name Delta Oil International. Niger Delta is home to Deltaoil; and we are very committed to developing the area, Nigeria and West Africa in the process.

With the support from our overseas subsidiaries, the task will be easier to accomplish.

Deltaoil Development will focus on acquiring oil and gas; and other infrastructural assets in Nigeria and elsewhere, developing and exploiting the resources in partnership with local communities. As a habit that we have acquired working overseas, the Group will also implement our “**three Cs principle**”, i.e., **Cooperate** with the local oil industry and communities, **consult** with the local oil industry and communities and **Contribute** to the local oil industry and communities.

Our Group’s HSE and communities’ programs will be run and managed by Deltaoil Development.

Principal Information

Company name:	Delta Oil International Development Co. Ltd, reg. Nr.: RC 860226
Address:	44 Circular Road Elekahia Housing Estate Elekahia, Rivers State, Nigeria
Tel:	+234 703788 1097; +234 706 094 1707, +234 813 318 7535
Email:	info@deltaoil.se ; internationaldevelopment@deltaoil.se
Year of incorporation:	2009
Country of incorporation:	Nigeria



Delta Oil International (Deltaoil)

Delta Oil Global Energy Resources Ltd



Delta Oil Global Energy Resources Ltd is established to focus and pursue exploration and production activities of oil

and gas, including mining of coal, which is untapped in Nigeria; biomass and fuel from renewable resources, steam power and electricity for the Group. With the robust support from the Group's subsidiaries in terms of technologies and services, Deltaoil Global intends to bring innovation to the Nigerian market.

Deltaoil Global is focused on providing new ways of developing and exploiting marginal fields. A major strategy is using the abundant natural gas in combined cycle IPPs (independent power plants) to produce electricity and steam energy resources, which will power and promote key industries, whose potentials have been neglected in Nigeria.

Presently, huge amount of heat energy is lost thru gas flaring and discharging into the atmosphere of hot turbine exhaust gases from gas power plants, which are consuming large quantities of natural gas. The heat energy from the gas turbines can be used to produce steam to drive steam turbine, which will generate additional electricity and supply the excess to a host of industries.

Deltaoil Global will focus on harnessing steam from combined cycle power plants for use in fermentation/distillation plants for biomass, cassava, sugar cane, vegetable oils, breweries, etc, processing, which require considerable amount of heat energy. Most of these industries are not well developed in Nigeria. All the resources are cheap and in abundance in the country.

Principal Information

Company name:	Delta Oil Global Energy Resources Ltd., reg. Nr.: RC 853289
Address:	44 Circular Road Elekahia Housing Estate Elekahia, Rivers State, Nigeria
Tel:	+234 703788 1097; +234 706 094 1707, +234 813 318 7535
Email:	info@deltaoil.se ; globalenergyresources@deltaoil.se
Year of incorporation:	2009
Country of incorporation:	Nigeria



Delta Oil International (Deltaoil)

Delta Oil Refining and Marketing Co. Ltd



Delta Oil Refining & Marketing Co. Ltd is established to engage in downstream business of refining and marketing of oil products in the Nigerian market.

Deltaoil Refining is focusing on using innovative technology for small deep refining units (SDRU) for hydrocarbon feed stocks to produce high yield and quality petroleum products. The technology is unique in the sense that normal crude oil and refinery residuals such as fuel oils; low (LPFO) and high pour (HPFO) fuel oils, are subjected to gas phase chemical refining producing high grade gasoline (PMS), diesel fuel and residual dark oil (Heating Oil). The same technology is used to refine vegetable oils to produce light end oil products. This way overall yield of white petroleum products is improved by conversion of the residual products.

At the heart of this technology is deep gas phase thermo-chemical refining not employing catalyst system; and this simplifies and eliminates costs/difficulties with catalyst handling and plants shutdowns.

Principal Information

Company name:	Delta Oil Refining and Marketing Co. Ltd., reg. Nr.: RC 853172
Address:	44 Circular Road Elekahia Housing Estate Elekahia, Rivers State, Nigeria
Tel:	+234 703788 1097; +234 706 094 1707, +234 813 318 7535
Email:	info@deltaoil.se ; refining-marketing@deltaoil.se
Year of incorporation:	2009
Country of incorporation:	Nigeria



Delta Oil International (Deltaoil)

Delta Oil Shipping and Logistics (Nigeria) Ltd

Delta Oil Shipping and Logistics (Nig) Ltd is focused on handling crude oil and oil products transports and logistics requirements of the Group.

Having secured a major crude oil supply contract for five years by the Group for a large monthly volume, Deltaoil Shipping will undertake chartering of several VLCC; and with time purchase some, including normal size vessels for crude and products. At present, the Group has shipping and logistics agreement, with some major shipping companies.

As the Group is engaging in both upstream and downstream sectors of the oil industry and coupled with the improving Maritime Laws and Petroleum Bill, our choice of Nigeria as the base of our shipping operations will help boost the economy and provide employment opportunities

Principal Information

Company name:	Delta Oil Shipping and Logistics (Nigeria) Ltd., reg. Nr.: RC 853333
Address:	44 Circular Road Elekahia Housing Estate Elekahia, Rivers State, Nigeria
Tel:	+234 703788 1097; +234 706 094 1707, +234 813 318 7535
Email:	info@deltaoil.se ; shipping-logistic@deltaoil.se
Year of incorporation:	2009
Country of incorporation:	Nigeria



Delta Oil International (Deltaoil)

Delta Oil Technologies and Construction Ltd



operations in Nigeria and neighboring regions.

Delta Oil Technologies and Construction Ltd is established to provide technology, innovation and know-how to the Group's

Supported by the Group's subsidiaries, Deltaoil Technologies will undertake to build for the Group and communities, major infrastructures such as, oil terminals, storage depots for crude and oil products, office and residential buildings, refineries, power plants, roads and bridges; and industrial plants, etc.

A key function will be to provide technical and services to the local oil companies.

This way, Deltaoil Group will be contributing to boost technical and service know-how in the local economy and industries.

Principal Information

Company name:	Delta Oil Technologies and Construction Ltd., reg. Nr.: RC 859551
Address:	44 Circular Road Elekahia Housing Estate Elekahia, Rivers State, Nigeria
Tel:	+234 703788 1097; +234 706 094 1707, +234 813 318 7535
Email:	info@deltaoil.se ; technologies-construction@deltaoil.se
Year of incorporation:	2009
Country of incorporation:	Nigeria



Delta Oil International (Deltaoil)

Deltaoil Technologies and Construction Consortium (Deltaoil TCC)

Deltaoil TCC is a technology innovations and construction “concern”, designed to operate in concert with Delta Oil International (Deltaoil) existing subsidiaries, Delta Oil Technologies & Construction Ltd (Deltaoil TC), Delta Oil International Co. Ltd (Deltaoil TW), Delta Oil Technical & Services (Shanghai) Co. Ltd (Deltaoil SH) and local content partners in areas of our operations. Deltaoil TCC will undertake to provide technical, engineering and construction services to Governments, private & public companies projects; designing and building major infrastructures such as, office and residential buildings, roads and bridges, power and industrial plants, oil terminals, storage depots for crude and oil products and refineries, etc.

Short History of Deltaoil TCC

The concept of forming a Consortium results from many years of cooperation and representation by Uni-World Engineering Co. Ltd in business dealings between Deltaoil and major oil refineries, CPC Corporation and Formosa Petrochemical Corporation in Taiwan. This relationship helped Deltaoil to integrate activities of both companies under the platform, Deltaoil TW. Today, Deltaoil TW has the capacity to deliver businesses in the technology and construction industries in addition to core activities in oil, gas and energy.

In 2009, Deltaoil established Deltaoil TC, with the focus to participate in urban and infrastructure developments and construction, e.g., the Greater Port Harcourt City Development Authority projects; and oil services activities due to the growing business opportunities in Nigeria in the oil sector, e.g., the Petroleum Bill and Nigerian Gas Master Plan. These projects require strong and capable Consortium to execute them successfully; therefore, Deltaoil TCC has been organized, with Deltaoil TC at its core.

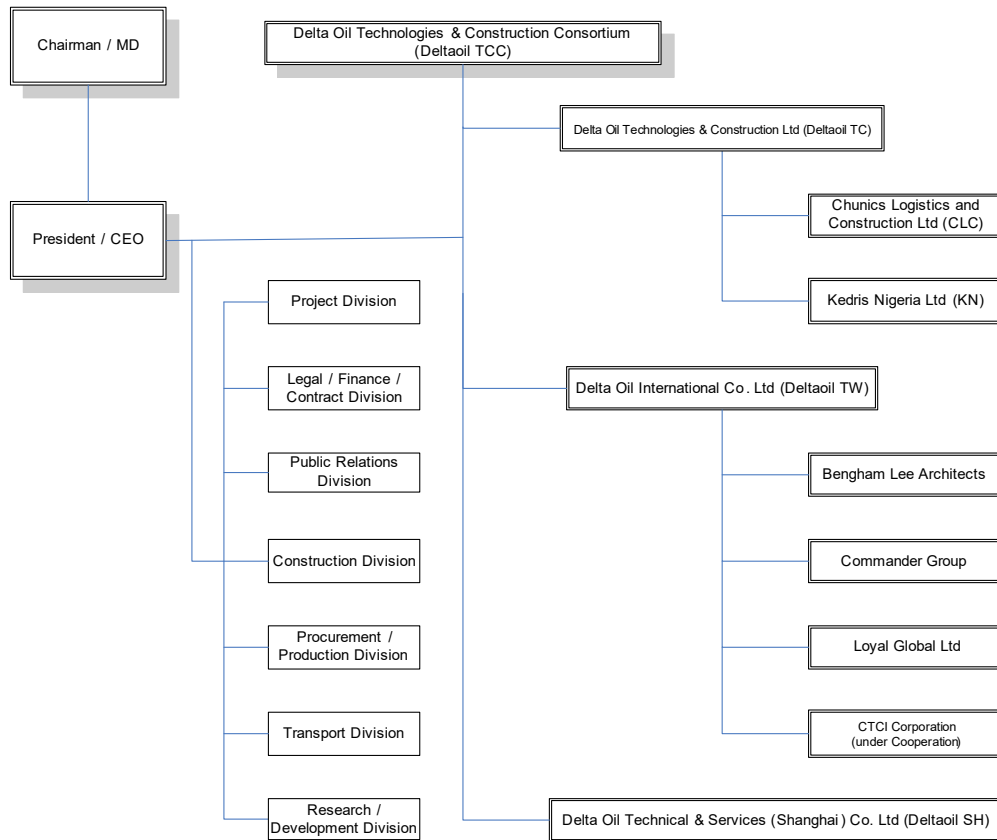
Organizational Structure of Deltaoil TCC

Deltaoil TCC is designed as a growing “Concern” comprising of local content and large integrated foreign architect, engineering and construction companies working in concert with Deltaoil’s subsidiaries.

Deltaoil TCC is led by the Chairman/Managing Director of Deltaoil Group and operated thru a President's/CEO’s Office, General Manager’s Office for each Division and Project Manager's Office for each project. Deltaoil TC is responsible for the accounts, administration, transportation, etc., of the Consortium to maintain effective interaction and share of resources and opportunities.



Delta Oil International (Deltaoil)



Chunico Logistics & Construction Ltd – Nigerian company with good knowledge of local construction industry and conditions for handling projects.

Kedris Nigeria Ltd – Nigerian company experienced in local construction of water supply and treatment plants, sewage system, laying of pipelines, reservoir and elevated water tanks; security and telecommunication.

Benham Lee Architects – A leading Taiwanese Architect firm experienced in professional designing and planning, who has completed all kinds of public and private projects in the field of Urban, Environment, Industrial Zones, Recreation, Gymnasium and Community Parks since 1974.

Commander Group – The group is founded in 1978 and has executed various Civil and Constructions BT/BOT Government projects in Taiwan, e.g. MRT, Seaport, Airport, Highway, Bridge, Building, Hydro power plant, etc.

Loyal Global Ltd – A Taiwan company group, with over 15 years of working experience in power engines and generators; and on the technical servicing and equipment supply business. The core members of the group are from Wartsila Group (Germany) and CATIC (China).

CTCI Corporation – Taiwan's largest integrated engineering and construction firm designing and building plants for Governments and major corporations worldwide; with history dating back as 1958 and today industry leader and one of the largest in South Asia.



Delta Oil International (Deltaoil)

Key Technical Partners Support Letters



安義雄建築師事務所

BENGHAM LEE
ARCHITECTS, PLANNERS, ENGINEERS & ASSOCIATES

Date: Feb. 3 , 2010

The Managing Director

Deltaoil Group
c/o Delta Oil Technologies and Construction Ltd

44, Circular Road, Elekahia Housing Estate
Port Harcourt, Rivers State
Nigeria

To Whom it May Concern:

Technical support for Greater Port Harcourt Development Project & Civil Engineering Constructions in Nigeria

Dear Sirs,

We refer to our discussions and meetings with Mr. Daniel Tseng, President of Delta Oil International Co. Ltd, Taiwan on the above subject matter.

We, Bengham Lee Architects, Planners, Engineers & Associates, hereby confirm our interest to provide your Deltaoil Group and Co., Kedris Nigeria Ltd and Chunics Logistics & Construction Ltd., all necessary technical support relating to architectural planning and design for construction projects in Nigeria, especially The Greater Port Harcourt Development Project.

Our company is one of the leading Taiwanese Architect and world's renowned Architect Companies; and we have carried out many important projects in Taiwan and around the world. We herewith enclose relevant documents and company brochure demonstrating our capability.

We look forward to cooperating with you on projects of mutual interests provided that the terms and conditions are acceptable to both parties.

Thank you.

Yours Sincerely,

Bengham Lee

Bengham Lee Architects, Planners, Engineers & Associates

台北市信義路四段155號8F-3 TEL:(02)2703-8850(代表號) FAX:(02)2704-4226
高雄市明華路 317 號 17 F-2 (07)552-8085 (07)553-8681
(台北) E-mail : lcearch.urban@msa.hinet.net (高雄) E-mail : lcearchk@ms22.hinet.net



Delta Oil International (Deltaoil)



統帥集團
Commander Group

Date: January 28, 2010

The Managing Director

Delta Oil International (Deltaoil) &
Delta Oil Technologies and Construction Ltd

44, Circular Road, Elekahia Housing Estate
Port Harcourt, Rivers State
Nigeria

Subject: Technical Support for Construction Projects in Nigeria

Dear Sir,

We are pleased to inform you that we are very willing to provide your Deltaoil Group and its partners, Kedris Nigeria Ltd and Chunics Logistics & Construction Ltd., as the necessary technical support and experience for construction projects in Nigeria.

Our company is one of the leading Taiwanese Construction Companies and we have carried out many important construction projects in Taiwan. e.g. Urban land consolidation, Building, National housing, Road, Highway, Rapid Rail transit, Bridge, Harbor, Coal fire and Dam Power plant projects over 30 years. herewith enclose our company brochures for your reference.

We look forward to cooperating with you on projects of mutual interests provided that the terms and conditions are acceptable to both parties.

Thank you and good luck in your efforts to secure suitable construction projects.

Yours Sincerely,

Mrs. Tina managing Director

高雄縣鳥松鄉本館路427巷12號
12, Lane 427, Pen-Kuan Rd., Niao-Soun Hsien, Taiwan, R.O.C
Tel. 886-7-370-3111-3 Fax 886-7-370-3115



Delta Oil International (Deltaoil)



香港商合郡有限公司台灣分公司

Hong Kong Loyal Global Limited Taiwan Branch

高雄市 80794 三民區鼎中路 45 號

45 Dingzhong Rd, Sanmin Dist., Kaohsiung 80794, Taiwan, R.O.C.

TEL: +886(0)7-381-3977 FAX: +886(0)7-381-7047

Date: 2010/2/20

The Managing Director

Delta Oil International (Deltaoil) &
Delta Oil Technologies and Construction Ltd

44, Circular Road, Elekahia Housing Estate
Port Harcourt, Rivers State
Nigeria

Subject: Cooperation for the Power & Distribution Projects in Nigeria

Dear Sir,

We refer to our discussion and meetings with Mr. Daniel Tseng, President of Delta Oil International Co. Ltd, Taiwan, on the above subject matter, we are happy to inform you that we are pleased to cooperate with you, the Deltaoil Group and its partners, Kedris Nigeria Ltd and Chunic Logistics & Construction Ltd., for the cooperation and necessary technical support on the power and distribution projects in Nigeria.

Our company is one of the leading Taiwanese Diesel Power Generation engineering and equipment supplies. We have carried out many important Power plant projects in Taiwan and around the world. Herewith please enclose our company brochures for your reference.

We look forward to cooperate with you on the GPHCDA projects of mutual interests provided that the terms and conditions are acceptable to both parties.

Thank you for your efforts to secure suitable Power and Distribution projects.

Yours Sincerely,

Loyal Global Ltd.

Wei - pang Ou
Director



Delta Oil International (Deltaoil)



達奇港灣工程股份有限公司
TOUCH CONSTRUCTION CO., LTD.
TEL:(07) 5870468 - 9 FAX:(07) 5872050

高雄市鼓山區翠華路 497 巷
3 號 11F-1
11F-1, 3, Lane 497, Tsui Hua Rd.,
Ku-Shan Dist, Kaohsiung, Taiwan.

Date: February 22, 2010

To: Mr. Jonathan Otamiri
The Managing Director

Delta Oil International (Deltaoil) &
Delta Oil Technologies and Construction Ltd

44, Circular Road, Elekahia Housing Estate
Port Harcourt, Rivers State
Nigeria

Subject: Business Cooperation for Marine Construction Projects in Nigeria

Dear Sir,


We, Touch Construction Co., Ltd. hereby confirmed by this letter that we are honor and willing to cooperate with Deltaoil Group and its partners, Kedris Nigeria Ltd and Chunics Logistics & Construction Ltd., for the necessary technical support and experience for the marine construction projects in Nigeria.

Our company is one of the leading Taiwanese Marine Construction Companies and we have carried out many important construction projects in Taiwan. e.g. Tso Yin Naval base, An Ping port, Ma Kon harbor, FPC at Mai Liao Industrial Harbor, CPC at Yu An LNG Terminal and Oil Drilling Platform projects for more than 30 years. Herewith enclose our company brochures for your reference.

We look forward to work with you on the projects of mutual interests under the terms and conditions that are acceptable to both parties.

Thank you for your offer and secure of the construction projects.

Yours Sincerely,


Mr. Chen Yuch-Chun
Director



Delta Oil International (Deltaoil)

Services

Deltaoil TCC intends to provide services on EPC contract basis and under strategic partnerships, which form important part of our business philosophy and strategy as these are cost and supply effective, enabling us to serve our customers at very competitive prices and with high level of professionalism.

Our range of services includes;

- Project Management
- Feasibility Study and Planning
- Engineering Design
- Procurement
- Fabrication
- Construction
- Commissioning and Maintenance
- Environmental
- Computer Resources

Project Management

For Deltaoil TCC, each project originates from the Project Division designed by a project team assembled and led by a Project Manager. From initial proposal until completion, the project team is responsible for the entire;

- planning and monitoring
- quality assurance and control
- budget and costs control
- supervision of engineering designs
- supervision of procurement
- supervision of all constructions, fabrication, installation,
- testing, plant commissioning, operation and maintenance



Experienced project team overseas project from start to finish

Deltaoil TCC ensures that a comprehensive understanding of the diverse issues involved in the project is clearly articulated; dividing the project team into task force groups, each responsible for area. This way, delays, miscommunications and worries about bringing the project to smooth and successful conclusion are avoided, and the project can be completed cost effectively and on-schedule to the client's satisfaction.



Project team involved in every phase of a project, from engineering design to construction work



Delta Oil International (Deltaoil)

Feasibility Study and Planning

Deltaoil TCC places emphasis on careful feasibility study and planning to be carried out for every project prior to implementation to ensure good start off. The feasibility studies are focused on;

- Site investigation
- Scenario assessment
- Environmental impact statement/assessment (EIS/EIA)
- Cost and profitability assessment
- Modeling and system analysis



Detailed and accurate information gathering before start of project and analysis using latest advanced engineering and information techniques and technology is carried out by Deltaoil TCC; and our Architects and Planners are very professional and innovative, providing the client with necessary information to assist in making the right decision about ;



Project teams visiting project sites

Engineering Design

Deltaoil TCC has advanced Architects, Engineering and Construction design teams offering detailed designs for various types and sizes of projects, including;

- Process design and engineering
- Piping design
- Civil and structural design
- Instrumentation design
- Electrical design
- Mechanical and equipment design
- Communication systems design
- Computer applications design

Our design teams are familiar with local and international design codes and standards; and are equipped with “state of the arts” computers and technologies, which allow them to deliver cost-effective and quality designs meeting client’s requirements.

Procurement

Deltaoil TCC member companies maintain trading departments and companies capable to procure almost all materials, equipments and services. The combined database of the Consortium covering material markets, prices, tariffs and import/exports regulations is extensive. Skillful traders equipped with latest information technologies and innovation rigorously pursue procurement of materials and equipments ensuring that quality is maintained at the most cost effectiveness and best terms.



Delta Oil International (Deltaoil)

Fabrication

Key strength of the Deltaoil TCC is that each member maintains well-equipped and advanced fabrication facilities. The Consortium's fabrication facility in Nigeria will be designed to be "state of the art", offering key advantages of quality, variety, flexibility and convenience.

Construction

Deltaoil TCC offers full range of construction services, maintaining high quality by adhering to strict construction standards and procedures using advanced techniques and technologies.

Commissioning and Maintenance

For startup and successful long-term operation of the project, providing critical finishing and follow-up services are essential. Deltaoil TCC commissioning services will include;

- Mechanical completion test
- Test runs
- Startup operation tests
- Examination for system performance and operational integrity

After completion of project, it is important to continue providing consultation, maintenance, emergency services, plant and equipment overhauls to keep shutdowns to absolute minimum.

Environment

Deltaoil TCC member companies are experienced in environmental issues and technologies, having carried out various large-scale projects and with expertise in;

- Environmental impact assessments
- In-plant pollution control:
Wastewater treatment, air pollution control and solid waste treatment
- Waste minimization methodology
- Energy conservation
- Noise abatement
- Hazard and risk assessment

Supported by the rich engineering resources and experiences in civil and industrial designs, the environmental team will ensure compliance to environmental regulations and propose cost-effective ways to minimize wastes.



Delta Oil International (Deltaoil)

Computer Resources

Deltaoil TCC boosts computer centers, which are state of the art and indispensable to the civil and industrial designs, project management, constructions and Corporate Affairs.





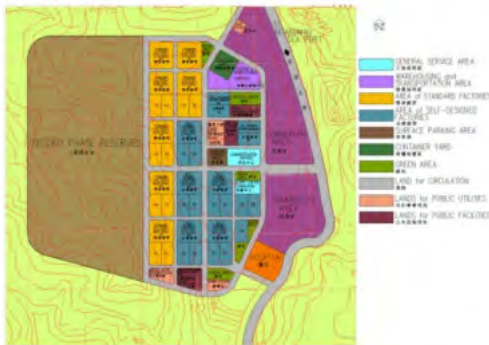
Delta Oil International (Deltaoil)

Design & Architecture - Bengham Lee

Deltaoil TCC member, Bengham Lee Architects & Associates have designed and executed wide range of civil, industrial and commercial projects. Good example is the design of Economic Free Zone Project for the Palau and Papua New Guinea Government. The design considered six key developments; i) commercial zone, for employment; ii) residential zone, for housing; iii) hospital, for treatment and cure; iv) golf course, for recreation; v) sea port, for sending and bringing in goods and

vi) refuse incineration, for getting rid of the waste produced by the citizens. Today, Deltaoil TCC has the capacity to deliver advanced designs for civil engineering and construction industries.

ECONOMIC FREE ZONE--LAND USE ZONING PLAN
經濟自由區-分區計畫圖



Economic Free Zone Project like Palau and Papua New Guinea can be designed and executed by Deltaoil TCC for Governments on private or partnership basis. The design will follow the six key development concepts; i) commercial zone; ii) residential zone; iii) hospital; iv) recreation; v) sea port and vi) refuse incineration.



Delta Oil International (Deltaoil)

ECONOMIC FREE ZONE-PERSPECTIVE 經濟自由區-透視圖(一)

• Custom & Warehousing Center/海關及儲運大樓



• Administration & Management Center/管理中心



PALAU ECONOMIC FREE ZONE PROJECT
帛琉經濟自由區(PEFZ)計畫

Free Zone Perspective:

In 1966, Taiwan established the world of first Export Processing Zone (EPZ) in Kaohsiung. For the past 44 years, EPZ successfully helped and developed the economic miracle and boosting the island into the ranks of developed Nations.

In the 21 century, EPZ has a new name "Value-added industrial parks" famous in the world. Many countries send their officers to Taiwan for learning this experience and knowhow.

The function of EPZ is not only designed for improving the product quality and quantities, but also creates job opportunity and technical education for the citizens.

Buildings & Warehousing:

The administration and Management center oversees all the affairs e.g. investor reception and presentation, assistance of the manufacturer in marketing evaluation and analysis, introducing Modern Technology, sharing of trade information, upgrade of production capabilities etc.

The investor just brings their main equipment, production technology and funds, headquarter will assist them select the factory building, employee and the staff and training of workers, installation of equipment, purchasing of the raw material from zone or worldwide, wooden packing, custom, clearance, logistics and transportation etc.

All the import and export procedures are organized and finished through each department in the EPZ professional team works.

ECONOMIC FREE ZONE-PERSPECTIVE 經濟自由區-透視圖(二)

• Standard Factory Building/標準廠房



PALAU ECONOMIC FREE ZONE PROJECT
帛琉經濟自由區(PEFZ)計畫



Delta Oil International (Deltaoil)

COMMERCIAL ZONE

商業區

RESIDENTIAL AREA-SITE PLAN/住宅區-配置圖1/5



PALAU ECONOMIC FREE ZONE PROJECT
帛琉經濟自由區(PEFZ)計畫

COMMERCIAL ZONE-HOTEL & EXHIBIT HALL
商業區(一)-商旅中心與商展中心SITE PLAN配置圖



PALAU ECONOMIC FREE ZONE PROJECT
帛琉經濟自由區(PEFZ)計畫





Delta Oil International (Deltaoil)



LONG STAY區



湖岸-villa區





Delta Oil International (Deltaoil)

HOSPITAL 醫院



PALAU ECONOMIC FREE ZONE PROJECT
帛琉經濟自由區(PEFZ)計畫



GOLF COURSE 高爾夫球場

GOLF COURSE /高爾夫球場SITE PLAN配置圖



PALAU ECONOMIC FREE ZONE PROJECT
帛琉經濟自由區(PEFZ)計畫



SEA PORT 深水港

SEA PORT LAYOUT/深水港SITE PLAN配置圖



PALAU ECONOMIC FREE ZONE PROJECT
帛琉經濟自由區(PEFZ)計畫





Delta Oil International (Deltaoil)

Civil Engineering & Construction - Commander



統帥集團結構 Structure of Commander Group



統帥金融股份有限公司
Commander Finance Co., Ltd

統帥貿易股份有限公司
Commander Trading Co., Ltd

統帥營造工程股份有限公司
Commander Construction Co., Ltd

辦公室：中華民國台灣，高雄縣烏松鄉本館路427巷12號
Office: 12, Lane427, Pen-Kuan Rd., Niao-Soun Hsien, Kaohsiung, Taiwan, R.O.C.
Tel: 886-7-370-3111-3 Fax: 886-7-370-3115
E-mail: commande@ms38.hinet.net



Delta Oil International (Deltaoil)

Deltaoil TCC member, Commander Group, is a Taiwanese construction group consisting of integrated companies, Commander Construction Co. Ltd, Commander Trading Co. Ltd and Commander Finance Co. Ltd, with solid technical and financial base. Over the years Commander Group has designed and executed many notable projects in urban land developments, highway & bridges, building and housing, etc., and the group's reputation is well-known in Taiwan and beyond. Below are some of the projects performed by Commander Group.

Kaohsiung City Hall Building Project:

Built during 1990 - 1992, is a high-quality landmark office building with 3 floors underground and 10 floors above the ground. It has a center atrium with 10 stories high glass ceiling.



Box Style RC Elevated Bridge Project:

Constructed during 1994 - 1997, is a high-quality Box design that spans up to 80 meters and total length of 3,000 meters. The bridge foundation is concrete piled and the box beam constructed in steel.



Elevated Bridge Project:

Constructed in steel structure box beams, the above elevated RC surfaced roadway bridge has a width of 25 meters. The flyover section is a long and curved steel bridge.

Freeway Long Curve Steel Bridge Project:

Constructed with precision beam setting as it stands above a freeway requiring minimum construction time, the flyover steel bridge is 102 meters long.



Delta Oil International (Deltaoil)

Freeway Bridge wilding Project:



Second Freeway Loop Line Project:



City Area Connecting Highway Project:

Constructed during 1981 – 1985, this is a typical main street road work, which includes drainage ditches, underground channel system for waste water, underground channel system for communication and electricity system, road foundation works, AC street lights and plants. The width is 80 meters and length 12,000 meters.



Steel Bridge Crossing the River Project:

This River's width is 120 meters. This is a single span. It does not have any support in the river. Difficulty was encountered while the foundation pile was being constructed. Waste pieces of concrete and wood were obstructing the piling process. Deep excavation was required to clear the waste before construction can continue. This bridge was constructed during 1989-1991.





Delta Oil International (Deltaoil)

Harbor Project:

Kaohsiung Harbor is a world 5th largest port. It has deep water and ideal geographical shape for harbor. We constructed this portion during 1984-1986. The total length is 2,000 meters. This portion of the wharf has a depth of 8-12 meters with rocky seabed. We used the casing construction method. On the top we used concrete to place. Side protection shown is used to allow docking of larger cargo vessel.





Delta Oil International (Deltaoil)

Power Generation – Loyal Global

Deltaoil TCC member, Loyal Global Ltd has many years of experience in main engines, parts and services for power industry, worldwide, especially in Europe and Asia. The Taiwanese Branch, “Hong Kong Loyal Global Ltd” cooperating with Deltaoil TW was established in 2001 and incorporates core members of former Wartsila NSD Taiwan. It has the capacity and capability for commissioning, supervising, trial-running, engine adjustment, diesel power plant maintenance, etc. During 1990 – 2000 the team completed site service commissioning, performance test adjustment and maintenance works at major industries of many diesel power plants (DPP) in Taiwan. e.g. Formosa Petrochemical Corp (FPCC), Tung Ho Steel, Taiwan cement, Nan Ya Plastic etc. the capacity from 6,400 Kws to 26,000 KWs. The total of installation list are more than 40 units.





Delta Oil International (Deltaoil)

With over 15 years of working experience at maintenance and delivery of new equipment as well as repair the used Engine and Gernerator. incl. change the spare parts and problem solutions.



Today, more and more countries are undergoing rapid privatisation of their power industries to meet their growing energy demand,

We can supply the modular units and guarantee the use for operation as turnkey base for energy at competitive price.

No matter what kind of fuels, e.g. natural gas, light or heavy fuel oils, it can be used to generate the electricity, heat and steam service for Insustrial, Commercial and Residential applications.



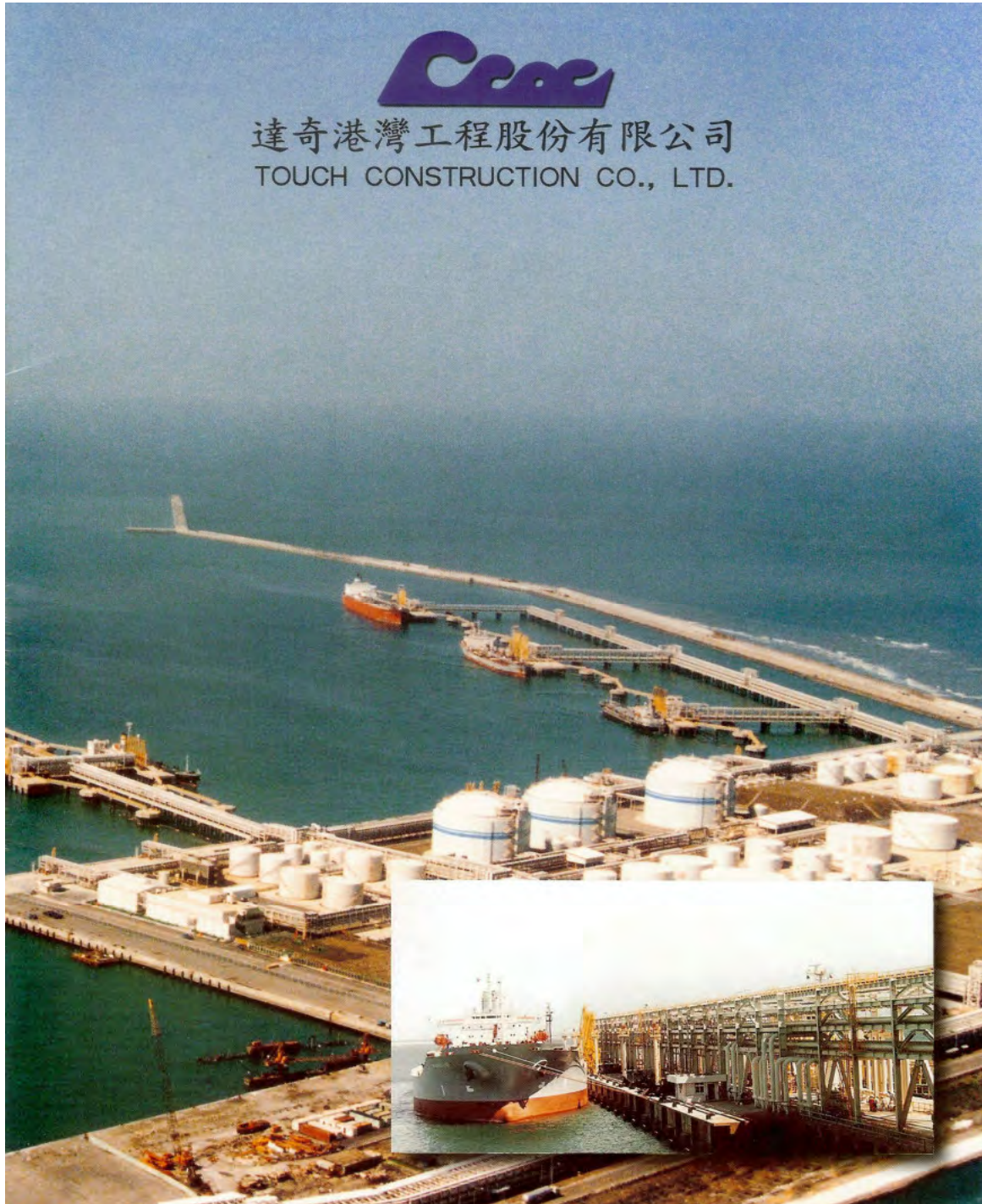
Also, we have assisted many neighborhood countries e.g. Vietnam, China, Solomon through our professional engineers for supervising of the equipments during the overhaul schedule.

Our scope and team works comprise of installation and conducting regular training of the local staff covering every aspect of plant operation and maintenance.



Delta Oil International (Deltaoil)

Engineering Technologies - Touch Construction





Delta Oil International (Deltaoil)

Consortium member, Touch Construction Ltd is one of Taiwanese top marine engineering and construction companies specializing in design, fabrication and construction of major marine engineering projects and with over 30 years of experience and expertise.

前言 Foreward

達利油公司參與臺、海峽工程，自開辦以來，一直秉持「誠信、專業、品質」之經營宗旨，以提供優質之工程服務為目標，並不斷學習及創新，使公司在設計、建造及營運管理等各方面，均能掌握第一手之經驗，為海峽工程之發展與繁榮，貢獻專業之力量。

Touch Construction has been undertaking substantial marine construction works with its business philosophy in devoting every effort towards the achievement of building with ratios as well as technical optimization for development of marine & coastal facilities, including dredging & reclamation, maintenance dredging & excavation, wharf structure construction, breakwater & revetment, submarine pipeline & cable laying, pipe & decommissioning of offshore oil drilling platform, installation of mechanical equipment and etc.

本公司參與臺、海峽工程，自開辦以來，自開辦以來三十餘年，一直秉持「誠信、專業、品質」之經營宗旨，以提供優質之工程服務為目標，並不斷學習及創新，使公司在設計、建造及營運管理等各方面，均能掌握第一手之經驗，為海峽工程之發展與繁榮，貢獻專業之力量。

Mr. Yuch-Chung Chen, the President has endeavored to the marine construction works for more than 30 years who acquired and completed numerous important projects in the value of multi-billion NT dollars. In addition to the water improvement of marine works developed within Taiwan Island and Kinmen, Matsu, Penghu offshore islands which covered under the Ten Major Development Projects, he has also devoted to full development period of Mai Liao Industrial Harbors formulated by Formosa Plastics Group (Sas Refineries Ltd). The following three (3) projects executed by Touch Construction are specially introduced.

董事長 陳昱宗
Chen Yuch-Chung, President

第一階段 WHARF 在 1

第二階段 WHARF 在 2

第三階段 WHARF 在 3

第四階段 WHARF 在 4

第五階段 WHARF 在 5

第六階段 WHARF 在 6

第七階段 WHARF 在 7

第八階段 WHARF 在 8

第九階段 WHARF 在 9

第十階段 WHARF 在 10

第十一階段 WHARF 在 11

第十二階段 WHARF 在 12

第十三階段 WHARF 在 13

第十四階段 WHARF 在 14

第十五階段 WHARF 在 15

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第一百階段 WHARF 在 100

經營實績表 Reference List

項目	說明
台南港防波堤擴充工程	Tainan Breakwater Extension, Tao-Yin Naval Base
台南港防波堤擴充工程第一階段 PC 樁打設工程	Phase 1 PC Pile Piling, Rehabilitation of Wharf, Tao-Yin Naval Base
安平遠東運河 RC 管橋工程	RC Shell Pipe Placement, An-Ping Long Distance Factory Harbour
六輕港防波堤工程	Daehseng & Cheen Dampping, Tao-Yin Naval Base
金門九宮碼頭擴充工程	Chiao-Kan Harbour Expansion, Kin-Main Island
台南港防波堤擴充工程	North Breakwater Extension, Tao-Yin Naval Base
台南港防波堤擴充工程臨時碼頭工程	Reclamation of Temporary Working Field and Berth Construction, Mai-Liao Industrial Harbour
馬公港防波堤工程	Dredging of Ma-Kon Harbour
新營工業區港池 國內港口碼頭堆棧(二)工程	Chang-Hua Coastal Industrial Park, Lin-Wai West Dredging-Dike and Dike Structure Land Reclamation Project
新營工業區港池堆棧工程	Site Levelling for Caisson Storage Yard, Mai-Liao Industrial Harbour
新營工業區港池工程	Wharf/ Pier Construction, Mai-Liao Industrial Harbour
新營工業區港池工程	Rock Dumping for North Retevment, Mai-Liao Industrial Harbour
新營工業區港池工程	Temporary Site Works for Caisson Raising Fabrication, Mai-Liao Industrial Harbour
新營工業區港池工程	FGD Sea Water Intake Pipelines Installation, Mai-Liao Power Plant
新營工業區港池工程	Civil Work for Cooling Water Intake System (Including Pump Station), Mai-Liao Power Plant
新營工業區港池工程	Design/Supply/Installation/Testing of Offshore Platforms for the CBK Field, Offshore Taiwan, ONP&E, Petrobras Corporation (Brazil)
新營工業區港池工程	Wharf/ Pier/ Jetty and Connecting Bridge New Construction, Mai-Liao Industrial Harbour
新營工業區港池工程	Revised Concrete Grouting for Seawater Cooling System, Mai-Liao Power Plant
新營工業區港池工程	FPS/FCD Sea Water Intake Pipelines, Mai-Liao Industrial Harbour
新營工業區港池工程	Berth 80 Structure Works, Mai-Liao Industrial Harbour
新營工業區港池工程	Decommissioning of Offshore Platforms for the CBK Field in offshore Taiwan
新營工業區港池工程	Rock Dumping for RS-E7 Retevment, Mai-Liao Industrial Harbour

The experience and expertise of Touch Construction Ltd are centered on:

- Development of marine and coastal facilities
- Dredging and reclamation; maintenance dredging and evacuation
- Wharf structures construction
- Breakwater and revetment
- Submarine pipeline and cable laying
- New and decommissioning of Offshore Oil Drilling Platforms
- Installation of mechanical equipments



Delta Oil International (Deltaoil)

碼頭、航道浚挖及防波堤方塊吊排、沉箱安裝工程
Wharf, Dredging of Approach Channel, Lifting and Placement of Concrete Block and Caisson Placement







◎ 碼頭工程 - Wharf Construction Works:


- 1 安裝碼頭第一階段完成之鋼架架設 - Wharf No.1 of Ma-Lao Industrial Harbor completed after completion.
- 2 碼頭打樁完成後鋼架之架設 - Scaffolding work after completion of caissons piling.
- 3 鋼架架設後第一階段完成之鋼架架設 - Wharf No.2, Ma-Lao Industrial Harbor - completion.
- 4 碼頭鋼架及鋼樁架設完成 - Framework erection & assembly for wharf structure and pile head treatment.
- 5 碼頭鋼架及鋼樁架設完成後之鋼架架設 - Reinforcing bar arrangement for wharf construction and embedment.
- 6 安裝碼頭第一階段完成之鋼架架設 - Wharf No.1, Ma-Lao Industrial Harbor - foundation piling.

◎ 航道浚挖及防波堤方塊吊排工程 - Dredging of Approach Channel and Lifting / Placement of Concrete Block for Breakwater:


- 1 航道浚挖工程 - Dredging of approach channel.
- 2 防波堤方塊吊排及安裝工程 - Marine lifting and placement of concrete block for breakwater.
- 3 防波堤方塊吊排工程 - Lifting and placement of concrete block for shore protection.

◎ 沉箱安裝工程 - Caisson Placement:

- 1 沉箱安裝工程 - Caisson positioning and final placement.
- 2 沉箱安裝完成後之工程 - Completion of caisson placement.









Delta Oil International (Deltaoil)



海底管線安裝及鑽油平台拆除工程

Submarine Pipeline Laying and Demolishing of Oil Drilling Platform



◎ 海底管線安裝工程：
Submarine Pipeline Laying:

① 麥寮電廠取水頭海上吊裝施工實況。

Brine Intake Head, Mai-Liao Power Plant - marine lifting & placement.

② 麥寮電廠取水管陸上假安裝測試實況。

Cooling Water Pipeline, Mai-Liao Power Plant - temporary laying on landside and test.

③ 麥寮電廠取水管海上吊裝實況。

Cooling Water Intake Pipeline, Mai-Liao Power Plant - marine lifting & placement.

④ 麥寮電廠取水管膨脹接頭吊裝準備實況。

Expansion Joint, Mai-Liao Power Plant - preparation for lifting & placement.

⑤ 海上管線安裝 - 「旁桶」裝置作業實況。

Submarine Pipeline Laying - Pontoon installation.





Delta Oil International (Deltaoil)



© 國光1號(CBK11)、2號(CBK12)、3號(CBK13)鑽油平台拆除工程：
Demolishing of Oil Drilling Platform CBK11, CBK12 and CBK13:

6 鑽油平台拆除施工實況。
Demolishing operation of oil drilling platform.



7 飽和潛水裝備作業實況。
Operation of saturated diving facility.

8 1500T 級吊船起吊鑽油平台實況。
Lifting of demolished platform by shearleg (lifting capacity: 1,500 tons).

9 拆除之鑽油平台吊置於轉運船上實況。
Loading of demolished platform on transportation barge.



Delta Oil International (Deltaoil)

Engineering Technologies – CTCI Corporation

Consortium member, CTCI Corporation, founded in 1979, is the largest integrated Engineering and Construction firm in Taiwan. With many years of technical designing and managing experience, CTCI has undertaken and completed significant domestic and oversea projects for various Industries Applications as following:

Refinery, Petrochemical, Chemical, Hydrocarbon & non-Hydrocarbon, Fertilizer, Waste and Industry water treatment, Refuse Incineration, Steel industry, Power plants, Storage Tank & LNG Terminal, Infrastructure, Transportation, Environmental and Biotechnology.

The major scope of works executed :

- Plant Design
- Procurement of equipments
- Frabrication
- Construction
- Supervisiopn
- Operation and Commissioning.

CPC Tao Yuan Refinery



In the past years, CTCI completed large scale petroleum projects, e.g. CPC No.5 Naphtha Cracking unit at Zoyin Kaohsiung refinery, CPC Yuan An LNG Receiving Terminal , FPC No.6 Naphtha Cracking unit at Fomosa Group MaiLiao refinery. The total CTCI Group manpower: over 3,500.



Fomosa group MaiLiao Refinery



Delta Oil International (Deltaoil)

Kaohsiung Southern Refuse Incinerator



TaiPower Na Pu Combine Cycle Plant (CCGT)



CPC Yuag an LNG receiving Terminal plant



CPC Talinpu No.7, 8 Water Demineralizer



In recent years, CTCI has set up goals to work globally and diversify in the worldwide market, and to establish the Beijing and Shanghai office in mainland China in order to execute various projects, e.g LDPE plant, MMA plant, PVC plant, ABS plant, Power and Cogeneration plant, etc.

CTCI state-of-the-art technology in the field of gas/oil for refineries has made them become an international first class EPC contractor in Asia. Clients cover Thailand, Vietnam, Malaysia, Philippine, Indonesia etc. Now CTCI is making all out efforts in Qatar, Iran, Bahrain and Saudi Arabia; and in the future, African and South America to become main targets.



CTCI has much experience in the Government infrastructure projects, thus, in the MRT, High Speed Railway systems, they performed the contract in the field of civil construction, mechanical & electrical facilities are function well. The No.4 Nuclear Power Plant will become CTCI's main construction project in the decade.



Delta Oil International (Deltaoil)

CTCI has devoted the technology of De-Nox, SCR system in the steel, power and petrochemical plant for APC on the environment protection. Accompanied with the fast growth of Electronic and semiconductor industries, CTCI has engaged in the design for Hsin chu and Tainan Science-Based Industrial Park e.g clean room, IC package plant, and ASU plant for high-tech manufacturing corporations in Taiwan.



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