

Corporate Presentation Sample Slides

(MAR, 2019)



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Brand Image Introduction

About CTCI

CTCI is a global provider of reliable engineering services.

Founded in 1979, we have over 40 subsidiaries in 15 countries with 7,400 employees around the globe.

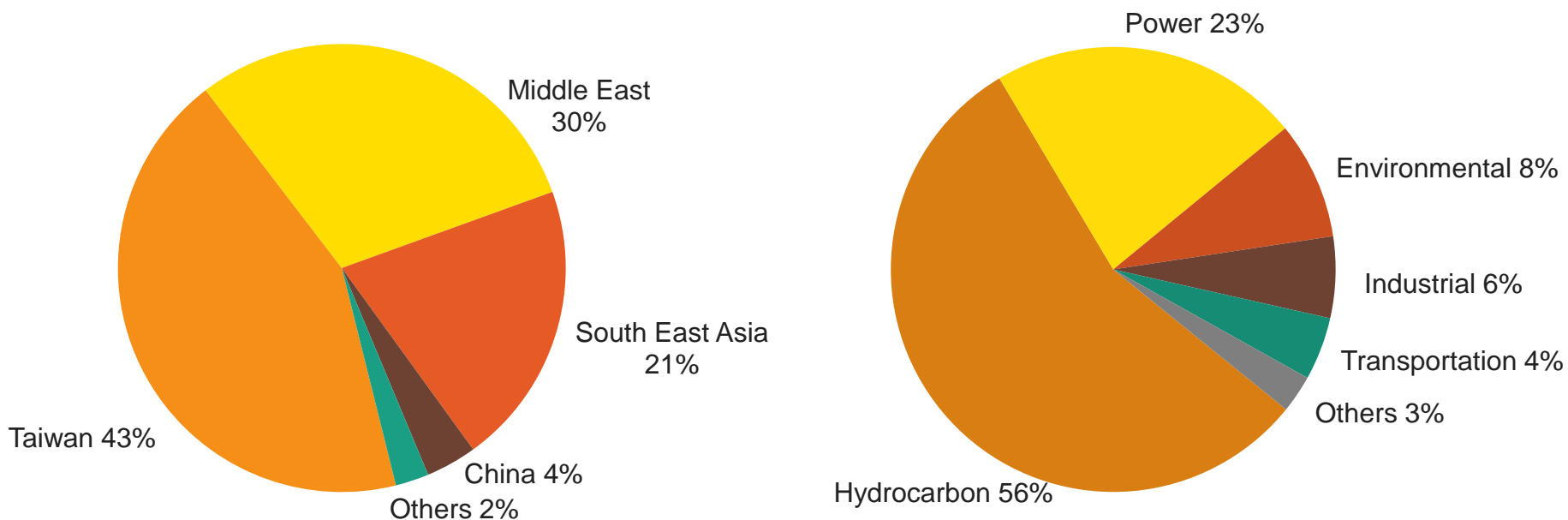


We serve the world's major markets

Founded in the 1970s at the onset of Taiwan's rise as a major global economy, CTCI emerged as the national leader in the hydrocarbon processing industry and an active player in the power, environmental, transportation, and industrial markets.

CTCI Annual Revenues 2017

Base value: USD 2.4 billion (TWD 71.6 billion)



- "Discover Reliable" defines the way we work, and is the essence of our drive to become the world's most reliable engineering services provider.



Reliable means
effectively
communicating
with clients around
the globe.

Reliable means
using the latest
smart tools.

**I am CTCI
I am Reliable**

You embody the Values that make CTCI
one of the most reliable engineering
service providers in the world.

CTCI

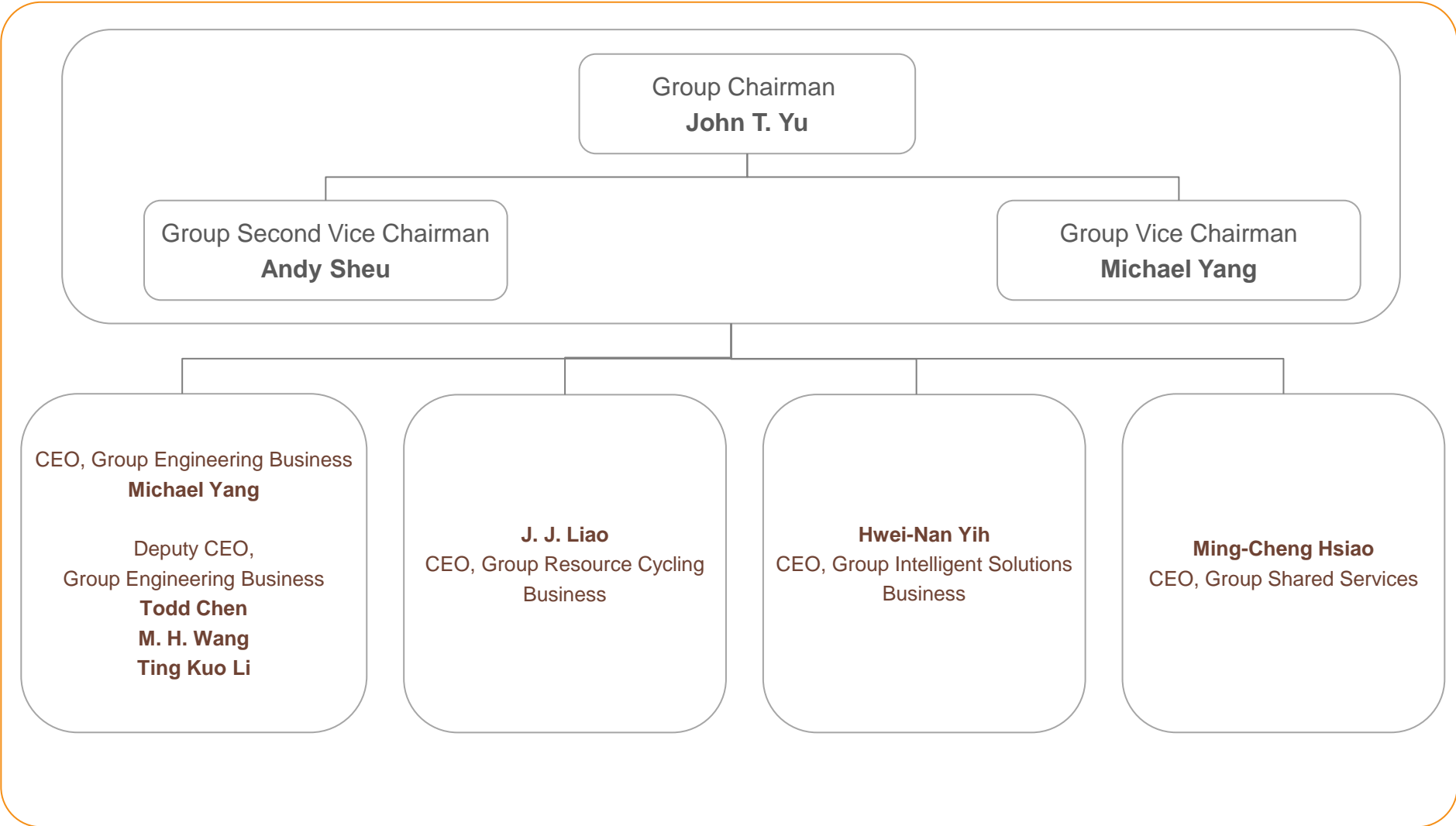
Company Overview

CTCI

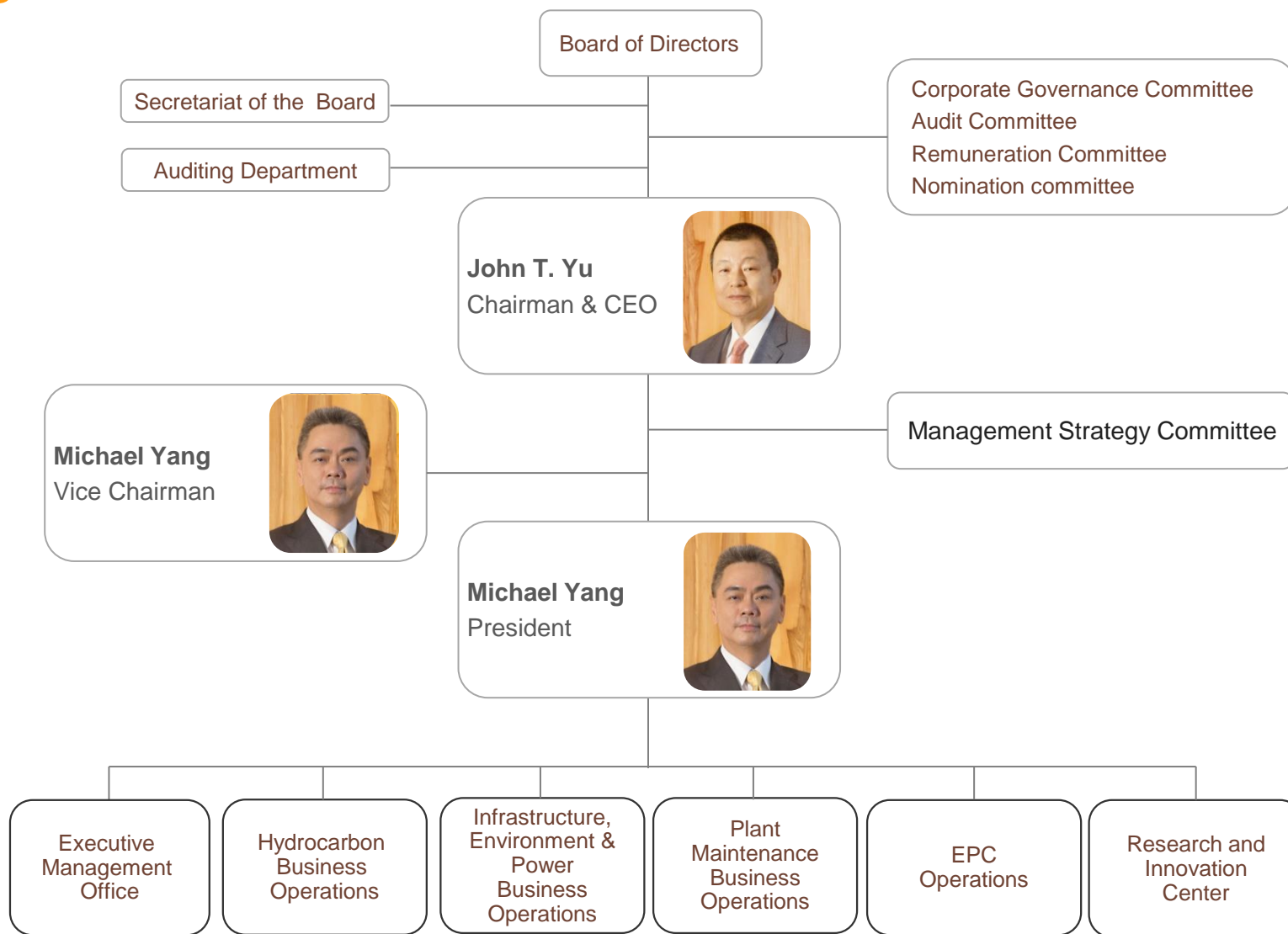
CTCI (TWSE: 9933, TPEX: 5209, TPEX: 6803) is a global engineering services provider that offers a comprehensive range of services, products, and solutions. Since its founding in 1979, CTCI has strived to deliver the world's most reliable engineering, procurement, fabrication, construction, commissioning and project management services. Headquartered in Taipei, Taiwan, CTCI serves the hydrocarbon, power, environmental, transportation and industrial markets. The company is Taiwan's leading EPC services provider, with 7,400 employees in more than a dozen local offices worldwide, and is a member of the Dow Jones Sustainability™ Emerging Markets Index.



The Executive Committee



Organization Chart



Manpower Resources

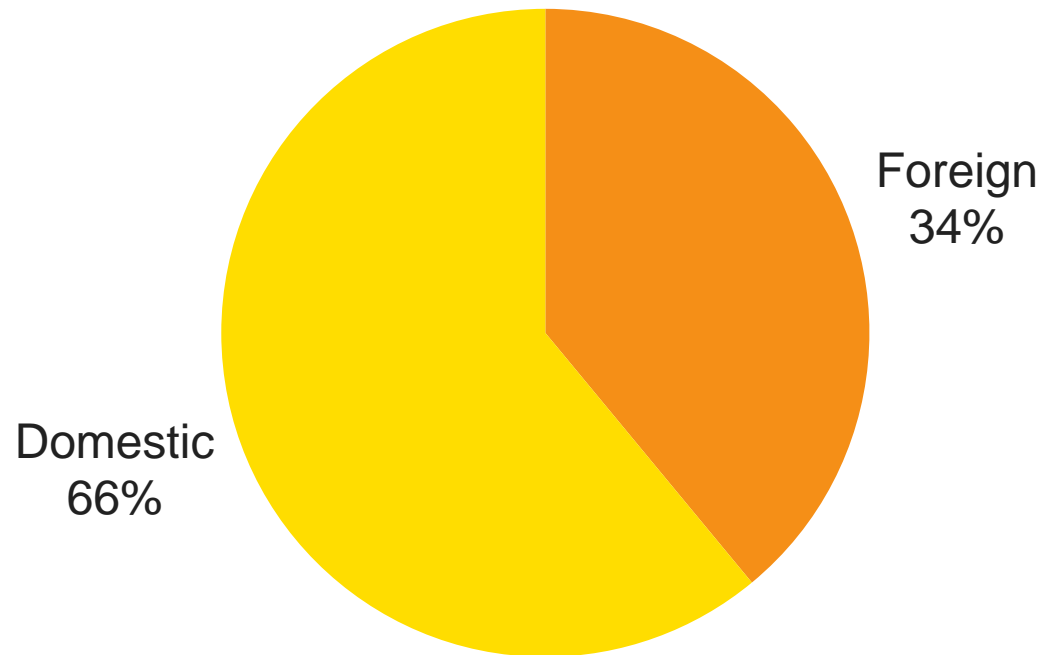
Domestic	Manpower
CTCI Corporation	3,035
CTCI Smart Engineering Corporation	443
ECOVE Environment Corporation	839
CTCI Advanced Systems Inc.	280
CTCI Resources Engineering Inc.	304
CTCI Machinery Corporation	419
CTCI Chemicals Corporation	60
Sub-total	5,380
Overseas	Manpower
CTCI (Thailand) Co., Ltd.	539
CIMAS Engineering Company Limited	191
CTCI Beijing Co., Ltd.	530
CTCI Shanghai Co., Ltd.	95
MIE Industrial Sdn. Bhd.	88
CINDA Engineering & Construction Pvt. Ltd.	212
Sub-total	1,655
Total	7,035

As of Jan. 2019

Shareholders Structure

Market Cap. : USD 1.2 Billion (TWD 37 Billion)

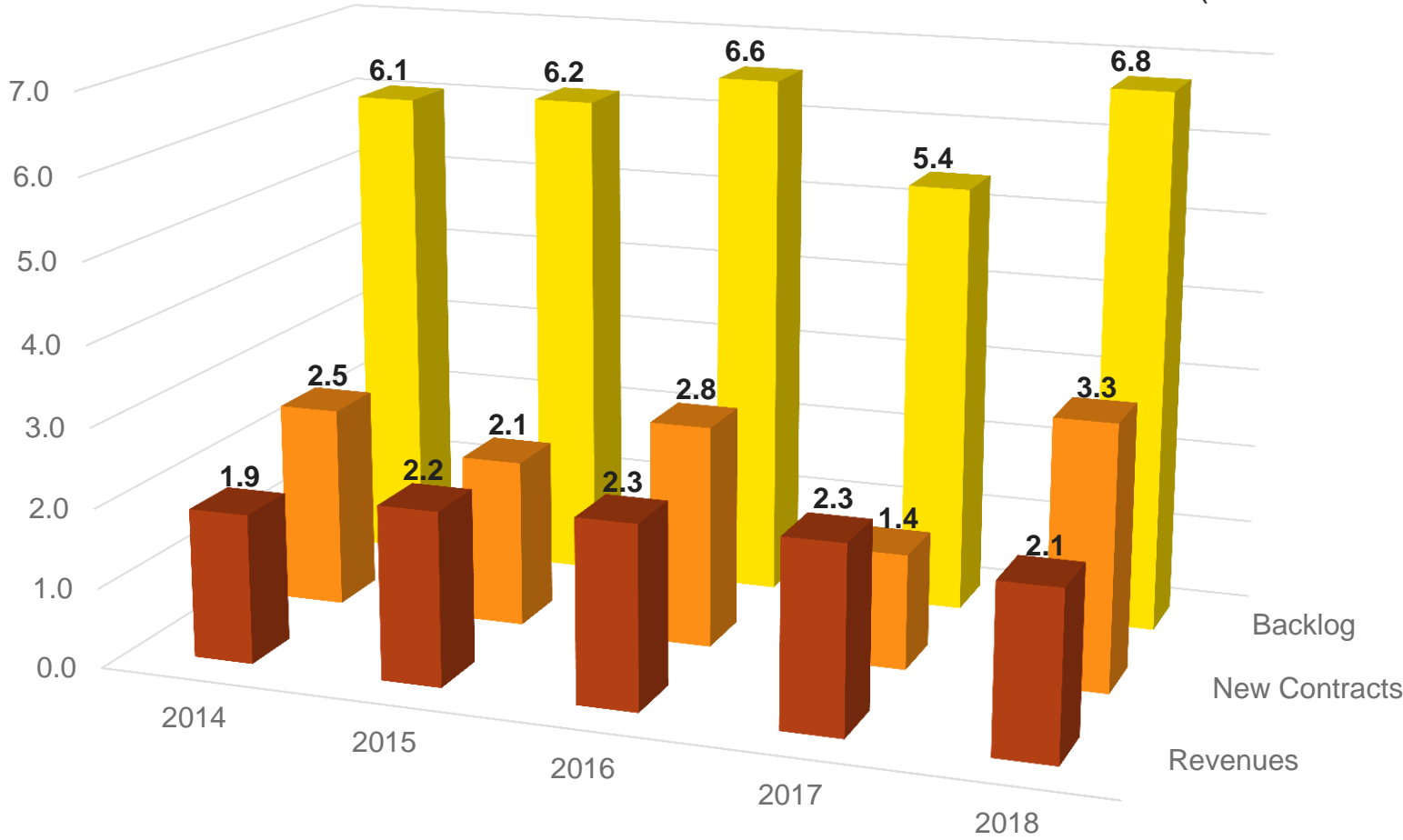
TWSE: 9933



2019/03/22

Financial Performance

(USD Billion)



Honors

- 2018 ENR Rankings

Items	Ranking
Top 225 International Design Firms	75
Top 150 Global Design Firms	146
Top 250 International Contractors	76
Top 250 Global Contractors	126

Industry	Item	Ranking
Manufacturing	Top International Contractors	36
Industrial Process	Top International Design Firms	45
Steel and Non-Ferrous Metals	Top International Contractors	19
	Top International Design Firms	14
Refineries and Petrochemical Plants	Top International Contractors	16
	Top International Design Firms	12
Sewer & Solid Water	Top International Contractors	43

- 2017 Taiwan CommonWealth Magazine Rankings

By Sector	Company	Ranking
Top 650 Service Enterprises	CTCI Corporation	25
Contractor	CTCI Corporation	1
	CTCI Smart Engineering Corporation	41
	CTCI Machinery Corporation	39
Investment Holding Company	ECOVE Environment Corporation	8
Environmental Services	ECOVE Environment Services Corporation	2
IT Equipment Sales & Services	CTCI Advanced Systems Inc.	33

Quick Facts

Established

CTCI in 1979

ECOVE in 1999

CTCI ASI in 1987

Listed

CTCI (TWSE:9933) - 1993

ECOVE (TPEX:6803) - 2010

CTCI ASI (TPEX:5209) - 2002

Capital

CTCI :USD 253Mn (TWD 7.6 Bn)

ECOVE :USD 23Mn (TWD 0.7 Bn)

CTCI ASI :USD 7Mn (TWD 0.2 Bn)

Market Value

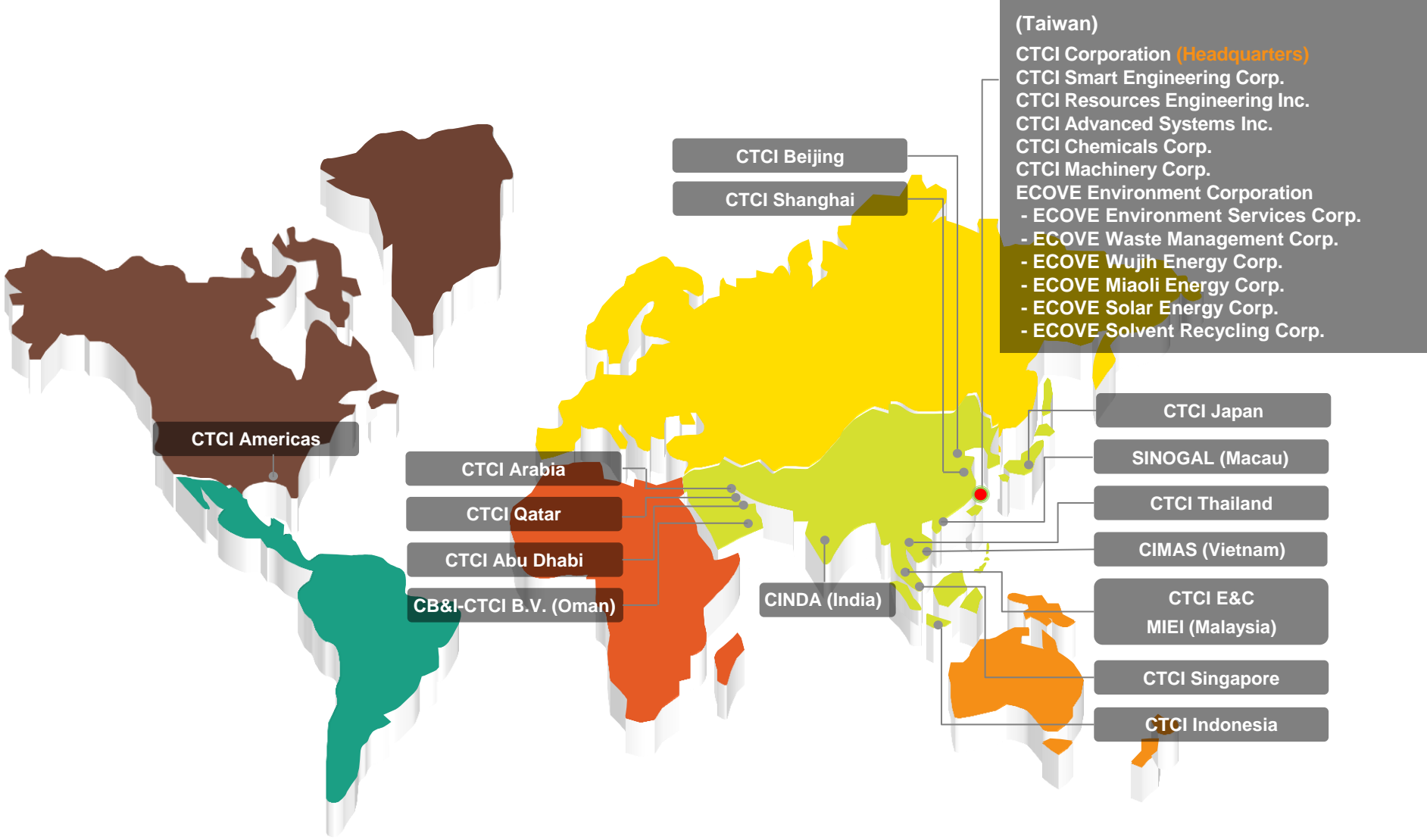
CTCI :USD 1.2 Bn (TWD 37 Bn)

ECOVE :USD 406 Mn (TWD 12.5 Bn)

CTCI ASI :USD 32.5 Mn (TWD 1.1 Bn)

2019/03/22

Global Network



Business Operations

Business Lines

Hydrocarbon

Petroleum Refining



- Alkylation
- Amine treatment
- Catalytic reforming
- Crude distillation
- Fluid catalytic cracking
- Hydrocracking
- Hydrodesulphurization
- Hydrogen
- Hydrotreating
- Lubes and fuels
- Lubricating base oils
- Petroleum coke
- Isomerization
- Sulfur recovery
- Sweetening
- Vacuum distillation

Petrochemical Processing



- Olefins
- Aromatics
- Polyolefin: PE, PP
- OCU
- PDH
- Butadiene
- Elastomers
- Synthetic fibers
- Organics
- Plastics
- PTA

Chemical Manufacturing



- Fertilizers
- Phosphates
- Ion Exchange Resins
- Waxes
- Pharmaceuticals
- Polysilicon

Liquefied natural gas (LNG)



- Processing plants
- Terminals and storage

OR DISTRIBUTE

Business Lines

Non-Hydrocarbon

Power



- Coal Fired Power Plant
- Gas Fired Power Plant
- Nuclear power plants
- Renewable energy

Transportation



- Mass Rapid Transit systems
- Light Rail Transit systems
- High speed rail
- Airports

Industrial



- Metals & non-ferrous metal mills
- Hi-tech facilities
- Life science facilities
- Manufacturing facilities

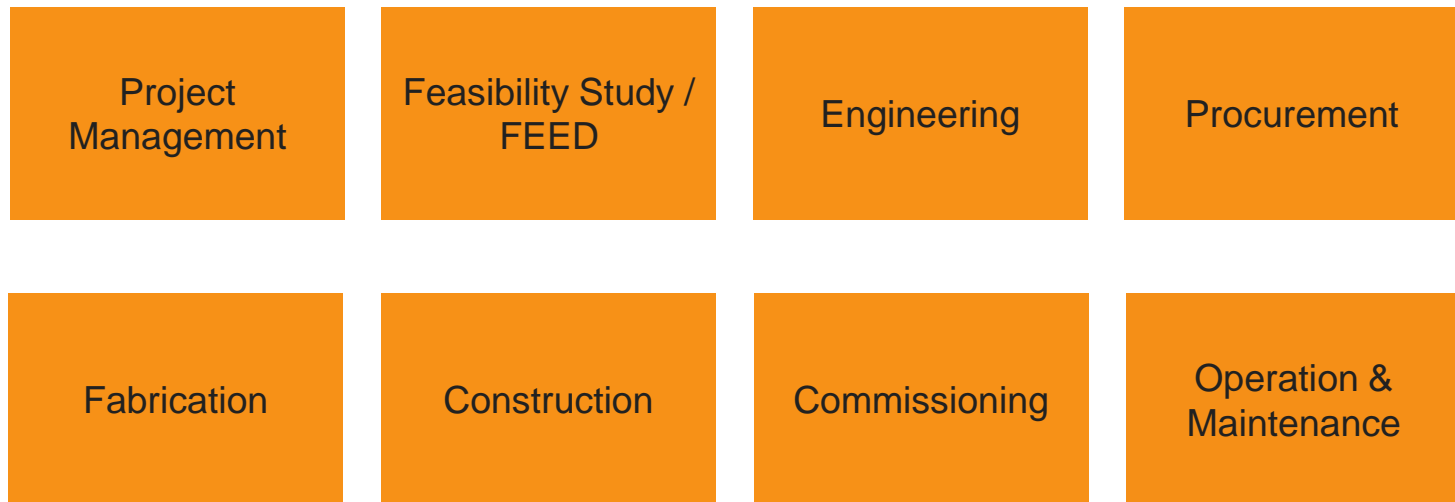
Environmental



- Drinking water treatment plant
- Raw water treatment plant
- Demineralized/pure water treatment plant
- Municipal wastewater treatment/reclamation plant
- Industrial wastewater treatment/reclamation plant
- Energy from municipal solid waste plant
- Industrial solid waste incineration plant
- Industrial waste liquid/off gas incineration plant
- Sludge incineration plant
- Air pollution control

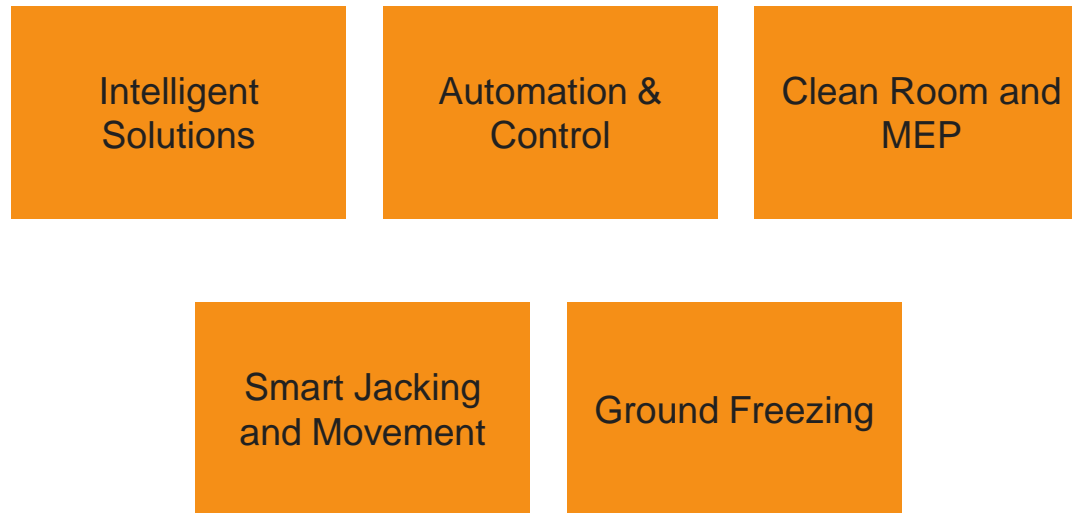
Services

CTCI offers clients full integrated service through engineering, procurement, construction and commissioning phases.



Services

Aside from offering full EPCC services to clients, CTCI also specializes in other engineering related solutions.



Products

CTCI products extend beyond quality materials to the knowhow and experience required to implement and operate them.

Stationary Equipment



Chemical Additives

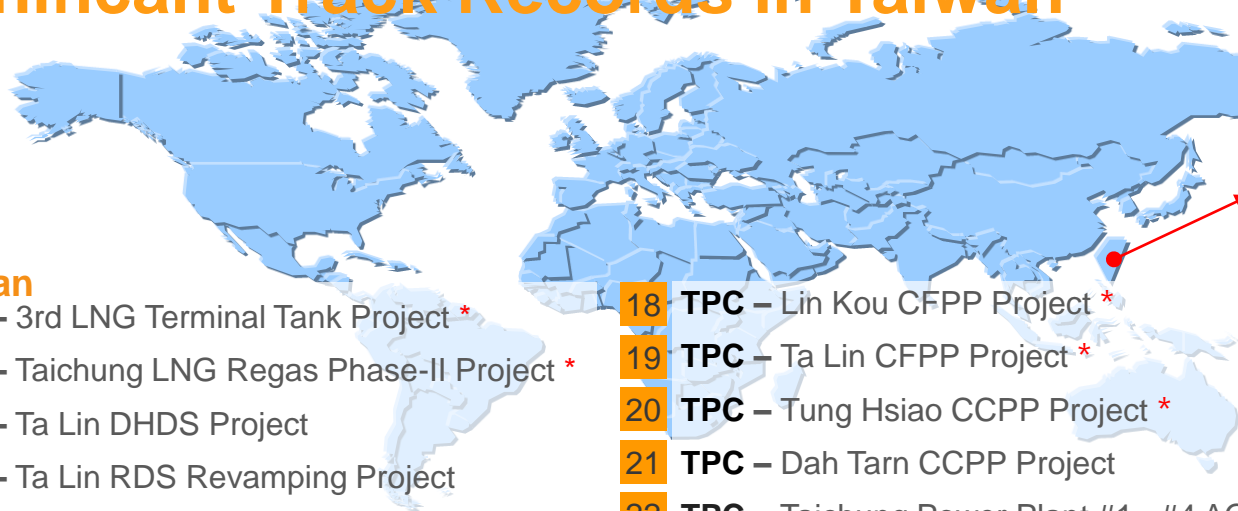


Energy Management Software



Major Projects Awarded

Significant Track Records in Taiwan

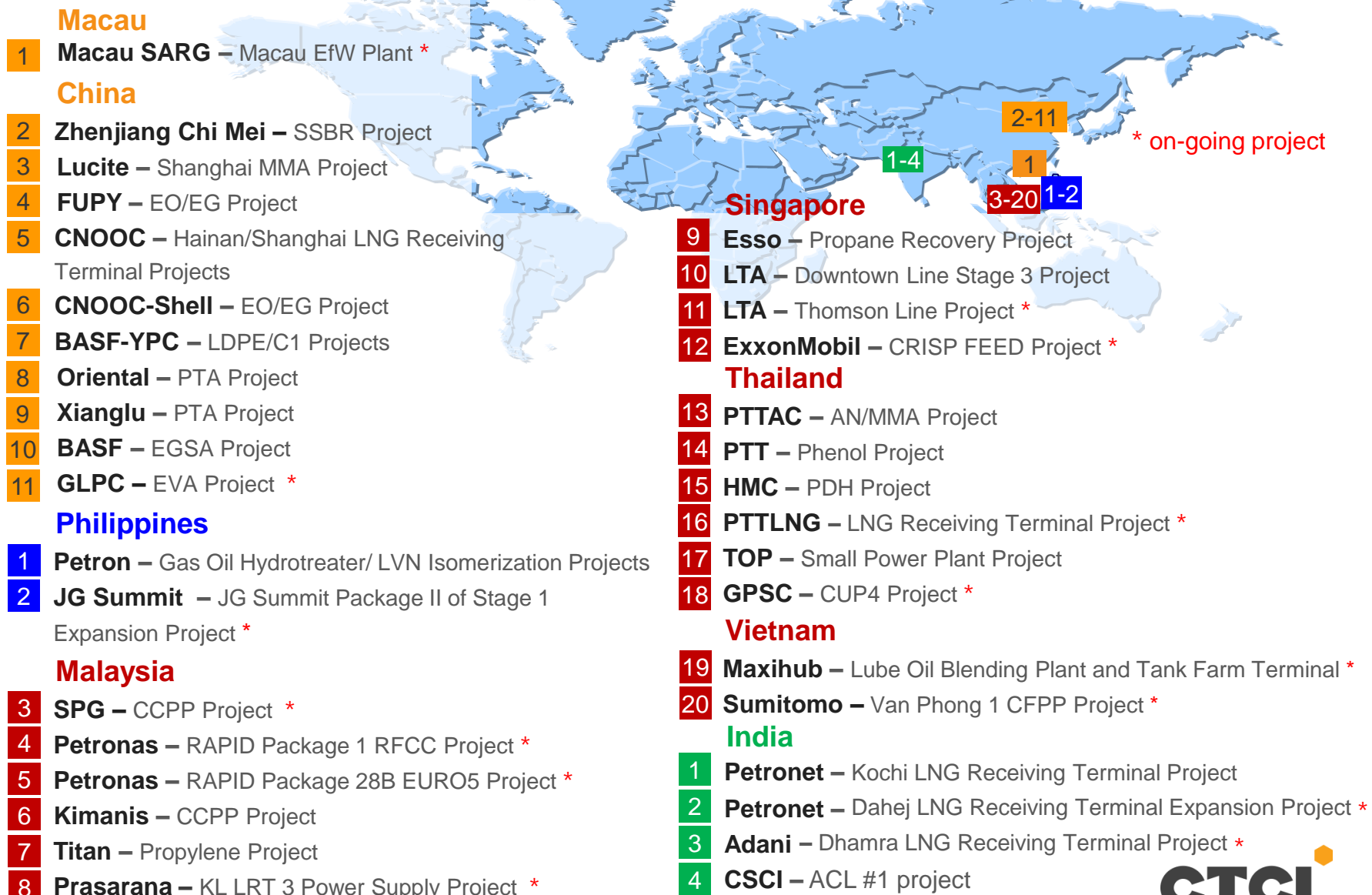


* on-going project

Taiwan

- 1 **CPC** – 3rd LNG Terminal Tank Project *
- 2 **CPC** – Taichung LNG Regas Phase-II Project *
- 3 **CPC** – Ta Lin DHDS Project
- 4 **CPC** – Ta Lin RDS Revamping Project
- 5 **CPC** – Ta Lin RFCC Project
- 6 **CPC** – #6 Naphtha Cracker Project
- 7 **CPC** – Taoyuan Alkylolation Project
- 8 **CPC** – Talin Refinery Plant WWRU Plant Project
- 9 **CAPCO** – #6 PTA Project
- 10 **OPTC** – PTA Project
- 11 **FPG** – Mailiao Refinery Phase I&II Projects
- 12 **FPCC** – Olefin-3 Project
- 13 **FPC** – MMA Project
- 14 **FPCC** – LBO Project
- 15 **FCFC** – Aroma-3 Project
- 16 **PTEC** – Polysilicon Project
- 17 **DSM** – Sleeping Beauty Project *
- 18 **TPC** – Lin Kou CFPP Project *
- 19 **TPC** – Ta Lin CFPP Project *
- 20 **TPC** – Tung Hsiao CCPP Project *
- 21 **TPC** – Dah Tarn CCPP Project
- 22 **TPC** – Taichung Power Plant #1~ #4 AQCS Retrofit Project *
- 23 **TPC** – Dah Tarn Emergency Gas Turbine Generator Project
- 24 **TPC** – Taichung Power Plant Coal Handling System Improvement Project *
- 25 **DSC** – #1 & #2 Sinter Plant AQCS Project
- 26 **Taipei DORTS** – Taipei MRT Orange Line Project
- 27 **Taipei DORTS** – Taipei MRT Red/Green Line Project
- 28 **Taipei DORTS** – Taichung MCT Green Line Project *
- 29 **Taipei DORTS** – Taipei MCT Light Green Line Phase1 Project *
- 30 **TYCG** – Biomass Center BOT Project *
- 31 **TYCG** – Chung Li WWTP BOT Project *
- 32 **KCG** – Linhai WWRU BTO Project *
- 33 **KCG** – Feng Shan Shi WWRU BTO Project *
- 34 **TCG** – Wu Jih EfW Plant BOT Project
- 35 **MCG** – Miao Li EfW Plant BOT Project

Significant Track Records in Asia



Macau

- 1 **Macau SARG** – Macau EfW Plant *

China

- 2 **Zhenjiang Chi Mei** – SSBR Project
- 3 **Lucite** – Shanghai MMA Project
- 4 **FUPY** – EO/EG Project
- 5 **CNOOC** – Hainan/Shanghai LNG Receiving Terminal Projects
- 6 **CNOOC-Shell** – EO/EG Project
- 7 **BASF-YPC** – LDPE/C1 Projects
- 8 **Oriental** – PTA Project
- 9 **Xianglu** – PTA Project
- 10 **BASF** – EGSA Project
- 11 **GLPC** – EVA Project *

Philippines

- 1 **Petron** – Gas Oil Hydrotreater/ LVN Isomerization Projects
- 2 **JG Summit** – JG Summit Package II of Stage 1 Expansion Project *

Malaysia

- 3 **SPG** – CCPP Project *
- 4 **Petronas** – RAPID Package 1 RFCC Project *
- 5 **Petronas** – RAPID Package 28B EURO5 Project *
- 6 **Kimanis** – CCPP Project
- 7 **Titan** – Propylene Project
- 8 **Prasarana** – KL LRT 3 Power Supply Project *

Singapore

- 9 **Esso** – Propane Recovery Project
- 10 **LTA** – Downtown Line Stage 3 Project
- 11 **LTA** – Thomson Line Project *
- 12 **ExxonMobil** – CRISP FEED Project *

Thailand

- 13 **PTTAC** – AN/MMA Project
- 14 **PTT** – Phenol Project
- 15 **HMC** – PDH Project
- 16 **PTTLNG** – LNG Receiving Terminal Project *
- 17 **TOP** – Small Power Plant Project
- 18 **GPSC** – CUP4 Project *

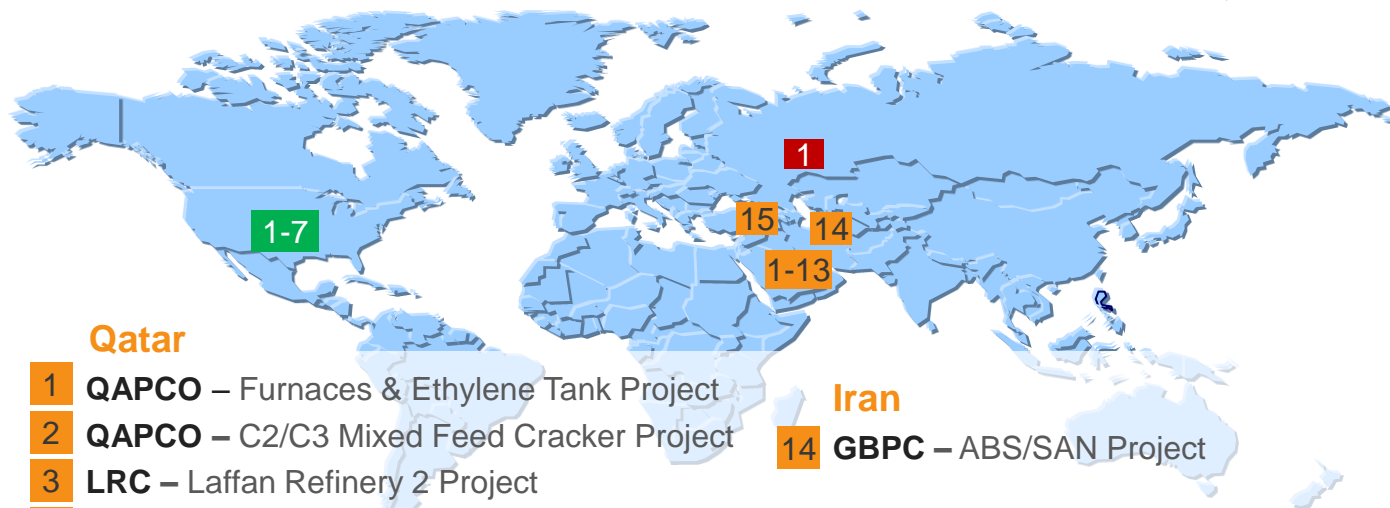
Vietnam

- 19 **Maxihub** – Lube Oil Blending Plant and Tank Farm Terminal *
- 20 **Sumitomo** – Van Phong 1 CFPP Project *

India

- 1 **Petronet** – Kochi LNG Receiving Terminal Project
- 2 **Petronet** – Dahej LNG Receiving Terminal Expansion Project *
- 3 **Adani** – Dhamra LNG Receiving Terminal Project *
- 4 **CSCI** – ACL #1 project

Significant Track Records in Middle East, US and CIS



* on-going project

Qatar

- 1 QAPCO – Furnaces & Ethylene Tank Project
- 2 QAPCO – C2/C3 Mixed Feed Cracker Project
- 3 LRC – Laffan Refinery 2' Project
- 4 QAPCO – EP1 Machines Replacement Project *

KSA

- 5 Ibn Rushd – PTA Debottleneck, ARO & U&O Projects
- 6 Saudi Kayan – Amines Project
- 7 Saudi Kayan – EO/EG Project
- 8 Saudi Kayan – EO/EG DBN Project, FEED
- 9 Saudi Kayan – Furnace No.10 Project
- 10 SAMAC – MMA/PMMA Project
- 11 YANSAB – Butadiene Project, FEED
- 12 AMIC & Toho – Ti-sponge Project

Oman

- 13 ORPIC – LPIC Project – Steam Cracker and U&O *

Iran

- 14 GBPC – ABS/SAN Project

Jordan

- 15 Jordan Fertilizer – Aqaba Fertilizer Project

USA

- 1 M&G – PTA Project
- 2 FPC USA – UT3 Project
- 3 FPC USA – LDPE Project
- 4 Nan Ya USA – EG-II Project
- 5 FPC USA – T3T4 PRM Project
- 6 Company USA – MEG Project *
- 7 Jupiter – Refinery Process Project *

Russia

- 1 SafPET – PTA Project *

