

Qualitech Engineering & Construction Co., Ltd.



Head Office:
Bangkok



Factory:
Rayong

QTEC has been operated since 1991

**Qualitech Engineering & Construction Co., Ltd. (QTEC)
is a Construction Company providing services of**

- ⊗ Mechanical Works Fabrication Installation, Piping systems,
Structural Steel, Storage Tank & Pressure Vessels, Plate Works,
Pipeline, Equipment Installation**
- ⊗ Building & Civil works**
- ⊗ Electrical & Instrumentation, HVAC and Utilities Systems**

HISTORY



Our fabrication facilities are located in Maptaphut, which can provide every steel fabrication works such as structural steel, piping, plate, tanks and small pressure vessels.

QTEC has financial supports from Domestic Commercial Banks and Financial Institution approx. 300,000,000.00 Baht upon request.

AREA OF SERVICES

-  **Oil and Gas**
-  **Refinery**
-  **Petrochemical**
-  **Energy & Power Plant**
-  **Water and Waste Treatment Plant**
-  **Environmental Protection**
-  **Industrial Plants, Facilities and Warehouses**

ACCREDITATION AND SYSTEMS

QTEC is certified ISO 9001:2015 that ensure International Standards for Quality Assurance and Control.

QTEC fabrication shop is also certified ASME “U”, “R”, “S” and “NB” (National Board) to fabricate and services pressure parts for Heater, Boiler including Piping spools.

Project Management is using computerized tools;

- ⚙ Primavera Contractor: for scheduling
- ⚙ Excel and Access: for Progress monitoring and Material Control
- ⚙ AutoCAD and X-Steel: for Shop Drawings
- ⚙ Barcode for Material Control System

Safety: **QTEC** has been striving under the lead of International Company to reach International Standard level.

Factory / Fabrication Shop



RAYONG Facility (Area)		
Total Area	212,800	m ²
Office	2,000	m ²
Warehouse	1,800	m ²
Fabrication Shop	15,000	m ²
Lay - Down Yard	183,300	m ²
Blast /Paint Shop	3,320	m ²
Others	7,380	m ²

RAYONG Facility (Number of Shops)		
Fabrication	10	Shop
Detail Part Shop	1	Shop
Blasting	2	Shop
Painting	1	Shop
Warehouse	2	Shop
Maintenance	1	Shop

HUMAN RESOURCES

Management	5
Project Managers and Engineers	30
Construction Supervisors	50
QC / Technicians / Draftsman	60
Finance and Accounting Staff	15
Procurement and Material Control Staff	20
Other Administrative and Support Staff	60
Foremen and Direct Workers	1,500

SERVICES CAPACITY for 1 Year

MECHANICAL WORKS

Equipment Installation	5,000	Tons
Vessels and Tanks Fabrication and Erection	1,000	Tons
Steel Structures Fabrication and Erection	6,500	Tons
Piping Works	500,000	di

Major Projects YEAR 2015 - 2020

MLGC (DOW)	Carbide Chemical (Thailand) Ltd. (DOW Group)	56 MB
Thai Oil CFP (Piping Spool Fabrication)	Sinopec Engineering Group (Thailand) Co., Ltd.	65 MB
Main Steel Structure Services(Top Side) for PTTEP Project	Thai Nippon Steel Engineering & Construction Corporation LTD.	150 MB
PTTGC GC3 T/A 2020	PTT Global Chemical Public Company Limited (GC)	45 MB
Mixed C4 GC7	GC Matntenance and Engineering Co., Ltd.	50 MB
Dow Chemical Group Small Project	DOW Chemical Thailand Limited	52 MB
Improving Refinery Energy Efficiency GC6 (Pinch Project)	PTT Global Chemical Public Company Limited (GC)	218 MB

Major Projects YEAR 2015 - 2020

GC Oxyrane Propylene Oxide Project	Samsung Engineering(Thailand) Co., Ltd.	58.5 MB
FCC Reliability Improvement Project	Star Petroleum Refining PCL.	103 MB
NGD WHA # 4 Gas Pipeline & M/R Station	Gulf Energy Development Co., Ltd.	191 MB
DOW Chang Project	DOW Chemical Co., Ltd.	165 MB
NGD WHA # 2 Gas Pipeline & M/R Station	Gulf Energy Development Co., Ltd.	151.5 MB
LPG & NG Pipeline Project	Kabinburi Glass Industry Co., Ltd.	28 MB
IRPC Turn Around 2016	IRPC Public Company Limited.	155 MB
UHV Unit 52 PRS MOV's (IRPC)	GS Engineering & Construction Corporation	38 MB

Major Projects YEAR 2015 - 2020

Bent Steel LACC EP Project (USA) and Upper F104 & F106 (RAPID)	CBI (Thailand) Ltd.	70 MB
DPEX Project (TPE) Mechanical and Piping Works	ThyssenKrupp Industrial Solution (Thailand) Ltd.	347 MB
THEP Project Mechanical and Piping Works	BASF Chemcat (Thailand) Limited.	110 MB
LCNG Station Project Civil, Piping, Mechanical and E & I Works	PTT Company Limited.	50.8 MB
SE Loading Station	Dow Chemical Thailand Ltd.	70 MB
Thai MMA C-1400 Improvement Project	Thai MMA Co., Ltd. (SCG Group)	15.7 MB

Major Projects YEAR 2015 - 2020

PPC & PPE Project (IRPC) Reactor Modification, Warehouse & U/G Piping Works	SINOPEC Engineering Group (Thailand) Co., Ltd.	28 MB
ARDB Aromatic II (PTTGC) Piping Tie-in Work	PTT Maintenance and Engineering Co., Ltd.	21.5 MB
Manpower Supply for IRPC UHV Plant	GS Engineering & Construction Corporation	45 MB
Gas Pipeline & Metering and Regulation Station	Bowin Clean Energy Limited.	71.3 MB
Mechanical Services to ESSO SRIRACHA REFINERY	Esso (Thailand) Public Company Limited.	58 MB
VGOHT Recovery (IRPC) Piping & Mechanical Work	IRPC Public Company Limited.	325 MB
UHV Plant Project (IRPC) 72 & 73	SK Engineering & Construction Co., Ltd.	427 MB

Major Projects YEAR 2012 - 2014

TOC GC EO/EG Expansion – II	Samsung Thai Engineering Co., Ltd.	188 MB
Phenol Plant Train II (PTTGC)	Posco Engineering (Thailand) Co., Ltd.	310 MB
UHV Plant Project (IRPC)	GS E&C Corporation	137 MB
PTT PHR – 3 (ESP)	Samsung Engineering Co., Ltd.	93 MB
Bibiyana Expansion (BANGLADESH) / Modules Work	Chevron / FW.	620 MB
B.V. (PTTGC) / Offsite Area Package # 3	PTT GC / PTT ME	405 MB
ZCT 1301 (Main Piping Work, Steel Structure & Equipment Installation)	Shinko Plantech (Thailand) Co., Ltd.	110 MB

Major Projects YEAR 2010 - 2012

B.V. (PTTGC) / Piping & Steel Structure Work	Toyo-Thai Corporation	185 MB
Rung Tawan	Toyo-Thai Corporation PLC.	155 MB
EI & PSA-3 Project (Early Mechanical Work)	Thai Oil Public Company Limited.	551 MB
Anaerobic Treatment Project/ Mechanical Works	Purac (Thailand) Ltd.	65 MB
Thailand PV Film – Compounding Bldg. / Mechanical Works	Dow Chemical Thailand Ltd.	60 MB
TMP Project – Malaysia / Piping Fabrication Work	Shinko Plantech Japan	48 MB
New TLB Product Tank / Mech+Pipe Installation	Thai Lube Base Pcl.	89 MB

Major Projects YEAR 2010 - 2012

IRPC/GHU Technology Revamp / Structure/Piping & Eqm. Install	IRPC Public Company Limited.	130 MB
DBN3 (UBE) D-155 (Piping Works)	Toyo-Thai Corporation Public Co., Ltd.	65 MB
NG Underground Pipelines for VDU & Hot Oil Heaters	Thai Lube Base PCL.	35 MB
Gas Pipeline Metering & Regulation Station (EPC Contract)	Amata B. Grim Power 3	83 MB
Sriracha Clean Fuels / Mechanical Works	Foster Wheeler International (Thailand)/ Exxon Sriracha	172 MB
Windmill-ABT (Viny Thai)/HPP00-HP (EVCC)	Toyo-Thai Corporation	120 MB

(Major Projects YEAR 2003 - 2009)

Emerald /Mechanical+Structure	Purac (Thailand)	107 MB
VDU & Hot Oil Heaters Modification and Relocation Tank	Thai Lube Base	122.5 MB
TGTU 1 – ARU2 (IRPC)	Uhde Shedden (Thailand)	53 MB.
Karratha NRU Module Fabrication/Pluto LNG Plant	Linde AG/Woodside	370 MB.
MOC Cracker Project	Samsung Engineering	222 MB.
TOC EO/EG Exp. 1 Project	Samsung Engineering	50 MB.
RRC Upgrade Project	SKEC (Thailand)	240 MB.

PAST EXPERIENCES (2/3)



(Major Projects YEAR 2003 - 2009)

The Ethanolamine (TEA) Project	Thai Ethanolamine (PTT Chemical Group)	190 MB.
PTT Ethane Separation Plant	Samsung Engineering (Thailand) Co., Ltd.	830 MB.
NPCX Polyethylene Plant	Samsung Engineering Co., Ltd.	140 MB.
Truck Tyre Factory Extension	Siam Tyre Industrial Co., Ltd.	165 MB.
TOC EO/EG Plant	Samsung Engineering Co., Ltd.	85 MB.
Tyre Steel Cord Factory Expansion 2004 (SSC 4)	Siam Steel Cord Co., Ltd.	80 MB.
MIGP Air Separation Plant	Air Products / BIG	85 MB.

PAST EXPERIENCES (3/3)

(Major Projects YEAR 2003 - 2009)

ALCAN G3	ALCAN	480 MB.
Motorcycle Tyre Production Plant	Siam Tyre Phra Pradaeng	120 MB.
Vincent FPSO Project	Vetco Aibel	55 MB.
TPX Revamp Project / Steel Structure Fabrication	Bechtel International, INC	120 MB.
C4175 EGTL Nigeria Chevron Module Supply	Air Products PLC (UK)	320 MB.
ATC Reformer & Aromatic Complex II	SKEC (Thai)	134 MB.
Quienten /Mechanical works	Purac	40 MB



Chevron Bangladesh Block Twelve, Ltd. Bibiyana Expansion (Bangladesh)

Piping Work	100,000	di
Structural Steel Work	1,500	tons
Equipment Installation	446	tons
Electrical & Instrumentation work		

PTT Maintenance and Engineering Co., Ltd.
BV Project Offsite Area Package # 3 (PTTGC)



Civil Work including Engineering, Piping Work	30,000	di
Steel Structure and Equipment Installation Work	700	tons
Tanks and Pressure Vessels Work	9	Nos
Project Schedule	Nov. 2012	Nov. 2013
Final Contract Amount	405,000,000	Baht

Before



After



Demolish Work, Steel Structure Work	600	Tons
Equipment Installation Work	350	Tons
Piping Work	40,000	Di
Project Schedule	Sep. 2014	Apr. 2015
Final Contract Amount	352,900,000	Baht



Samsung Engineering Co., Ltd.
PTT PHR-3 (ESP) Project



Piping Work	14,500	di
Equipment Installation Work	1,400	tons
Piping Tie-in	1	Lot



Esso (Thailand) Public Company Limited.
HRSG-4001 Tube Replacement Project

**Primary & Secondary Superheater Tube and Evaporator Tube
Economizer Tube, Internal Steam Drum Replacement**



Esso (Thailand) Public Company Limited.
TK-970 & TK-6906 Repair and Cleaning Services

Tank Repair Work (Shutdown)





Thai Oil Company Limited.
EI & PSA-3 Project Early Mechanical Work

Piping Work	120,000	di
Structural Steel Work	2,200	tons
Project Schedule	Apr. 2012	Dec. 2013
Final Contract Amount	555,000,000	Baht



Thai Lube Base Public Company Limited.
NG Pipeline Installation for
VDU & Hot Oil Heaters Project

U/G Gas Pipeline 8"

1,200 meters

Structural Steel Work

1.4 tons

Electrical & Instrumentation work

**Thai Lube Base Pcl. /
VDU & Hot Oil Heater Modification and
Tank Relocation (Piping) Project**

Piping Work	35,000	di
Structural Steel Work	320	tons
Equipment Installation	200	tons

Karratha Pluto LNG Plant
NRU Module / Linde AG

Piping Work	35,000	di
Structural Steel Work	1,200	tons
Equipment Installation	300	tons
Electrical & Instrumentation work		

PTT Ethane Separation Plant (ESP) Samsung Engineering

Piping Work	540,000	di
Pipe Support Work	480	tons
Structural Steel Work	6,000	tons
Equipment Installation	11,000	tons



Piping Work	248,000	di
Structural Steel Work	1,400	tons
Equipment Installation	4,965	tons



MOC Cracker Project
Samsung Engineering



PROJECTS GALLERY (13/26)

RRC Upgrading Project SKEC Thai Limited

Piping + Support Work	200,000	di
Equipment Installation	2,300	tons
Painting	45,000	m2
Steam Tracing	3,200	m



PROJECTS GALLERY (14/26)

The Ethanolamine (TEA) TEA (PTT Chemical Group)



Piping Work	110,000	di
Structural Steel Work	550	tons
Equipment Installation	600	tons

PROJECTS GALLERY

(15/26)



ATC Reformer & Aromatic Complex II Project SKEC (Thai)



Piping Work

200,000 di

Equipment Installation

1,530 tons

PROJECTS GALLERY

(16/26)



Piping Work	80,000	di
Structural Steel Work	1,000	tons
Equipment Installation	300	tons



Escravos Gas To Liquid Project (EGTL)/
Nigeria - Chevron Module Supply
Air Products PLC

PROJECTS GALLERY (17/26)



Piping Work	40,000	di
Structural Steel Work	800	tons
Equipment Installation	550	tons



Vincent FPSO Project
Vetco Aibel

PROJECTS GALLERY

(18/26)



Piping Work	120,000	di
Structural Steel Work	750	tons
Equipment Installation	1,400	tons

PROJECTS GALLERY (19/26)



**ALCAN G3 / High Temp Digester Plant
(Australia)**



Piping Work	100,000	di
Structural Steel Work	2,200	tons
Equipment Installation	1,000	tons

PROJECTS GALLERY

(20/26)



Piping Work	50,000	di
Structural Steel Work	400	tons
Equipment Installation	650	tons



MIGP Project
Air Products UK

PROJECTS GALLERY

(21/26)



Thai Olefins PLC -
Samsung Engineering

Piping Work	100,000	di
Structural Steel Work	800	tons
Equipment Installation	1,500	tons



PROJECTS GALLERY (22/26)



ASIA PET Continuous Polyester Electrowatt-Ekono (Thailand) Ltd.

Piping Work	60.000	Di
PTA Silos, Demin. Tank, Feed Silo and Vessels	202	tons



Maptaphut Feederline (THAPPLINE)

U/G Pipeline Φ 16" x 14"	1,200	m
A/G Pipeline Φ 16"	4,100	m
Piping Work	8,000	di
Structural Steel Work	180	Tons
Cone Roof Tank	1	No.

PROJECTS GALLERY

(23/26)



Escravos Gas to Liquid (EGTL)
Chevron Small Module Supply/Nigeria
Air Products PLC

Plate Work, Piping, E & I	200	tons
Steel Structure	650	tons



PROJECTS GALLERY (24/26)



**Escravos Gas to Liquid (EGTL)
Air Products PLC**

Piping Fabrication Work

40,000 Di



**Chevron / BPE
(AMSE "R1" Stamp)**

Modify Pressure Vessels

8 units



Rocky Point Project
Alstom Power Australia(Austrian Energy)

Tubular Air Heater (2 Units)

84 tons



ELECTRICAL & INSTRUMENTATION



TPN Food Pak Project

ELECTRICAL & INSTRUMENTATION

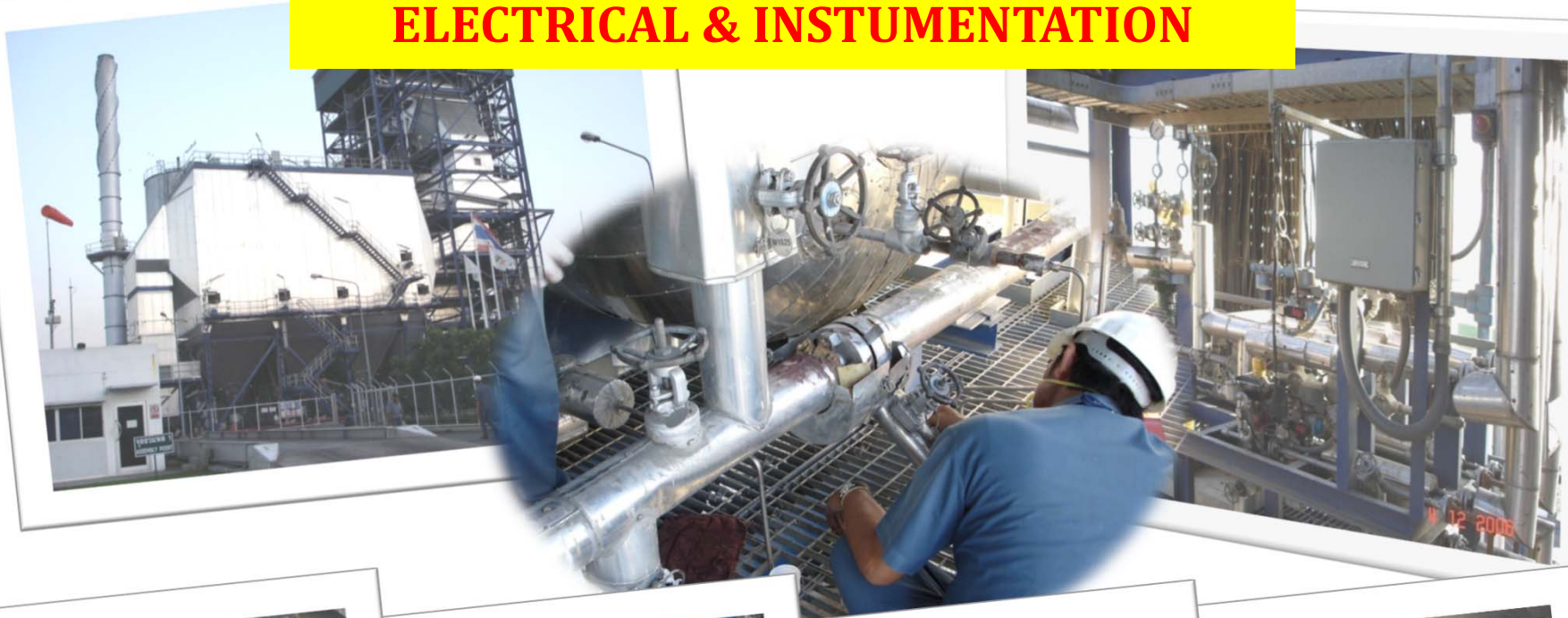


**National Starch
HVPU and POPIT Project**



Polytype New Factory Project

ELECTRICAL & INSTRUMENTATION



Certificates & Safety Awards



BUREAU VERITAS
Certification



QUALITECH ENGINEERING AND CONSTRUCTION CO., LTD.

10/9 SOI KEE REE, SUKHUMVIT ROAD, HUAY PONG DISTRICT, AMPHUR MUANG,
RAYONG 21150 THAILAND

Bureau Veritas Certification Holding SAS - UK Branch certify that
the Management System of the above organisation has been audited and found to be in
accordance with the requirements of the management system standards detailed below

Standards

ISO 9001:2015

Scope of certification

**FABRICATION OF STEEL STRUCTURE, TANK, PRESSURE VESSEL,
STEEL PLATE WORK, PIPING WORK**

Original cycle start date: 10 April 2013
Expiry date of previous cycle: NA
Recertification Audit date: NA
Recertification cycle start date: 9 April 2019

Subject to the continued satisfactory operation of the organisation's Management System,
this certificate expires on: 9 April 2022

Certificate no. TH013914

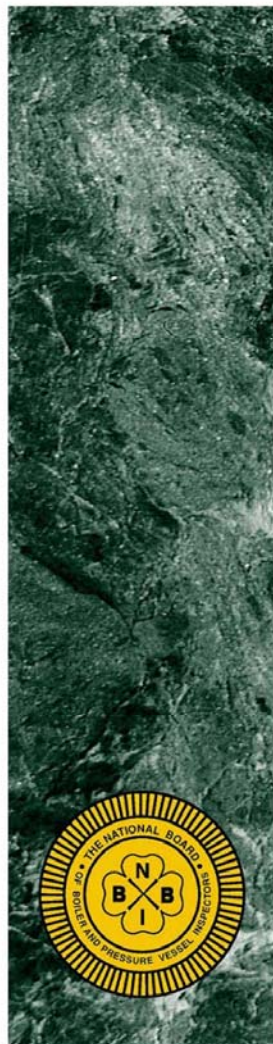
Version 01, Revision date : 09/04/2019



Certification body address: 5th Floor, 66 Prescott Street, London, E1 8TG, United Kingdom
Local office: Bureau Veritas Certification (Thailand) Ltd. 16th Floor, Bangkok Tower, 2170 New Petchburi Road,
Bangkok, Huaykwang, Bangkok 10310, Thailand

Further clarifications regarding the scope of this certificate and the applicability of the management system
requirements may be obtained by consulting the organisation.
To check this certificate validity please call: +662 670 4800

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**THE NATIONAL BOARD
OF
BOILER & PRESSURE VESSEL INSPECTORS**

Certificate of Authorization



This is to certify that

**QUALITECH ENGINEERING & CONSTRUCTION
CO., LTD.
Rayong Factory
10/9 Soi Kee Ree, Sukhumvit Road,
Huaypong District
Rayong 21150
Thailand**

Acceptable Abbreviation: QTEC

*is authorized to use the R Symbol in accordance with the provisions
of the National Board Inspection Code and NB-415, Accreditation
of "R" Repair Organizations.*

All activities within the scope of this Authorization shall be
controlled by the above location.

The scope of this Authorization is limited to:

Metallic
Repairs and Alterations
At
Shop and Field Locations



Certification Number: 9636

Issue Date: November 15, 2017

Expiration Date: December 1, 2020

Executive Director



**THE NATIONAL BOARD
OF
BOILER & PRESSURE VESSEL INSPECTORS**

***Certificate of Authorization
to Register***



This is to certify that

**QUALITECH ENGINEERING & CONSTRUCTION Co., LTD.
RAYONG FACTORY
10/9 SOI KEE REE, SUKHUMVIT ROAD,
HUAYPONG DISTRICT
RAYONG 21150
THAILAND**

*is authorized to apply the "NB" mark and register
boilers, pressure vessels or other pressure retaining
items with the National Board.*

*The scope of Authorization is limited to items
manufactured in accordance with:*

ASME Designator(s): U S

ISSUE DATE: January 12, 2015

*This Certificate of Authorization to Register will remain
in effect as long as the manufacturing organization holds
a valid Certificate of Authorization issued by the
American Society of Mechanical Engineers.*

Executive Director

The American Society of Mechanical Engineers



CERTIFICATE OF AUTHORIZATION

The named company is authorized by the American Society of Mechanical Engineers (ASME) for the scope of activity shown below in accordance with the applicable rules of the ASME Boiler and Pressure Vessel Code. The use of the certification mark and the authority granted by this Certificate of Authorization are subject to the provisions of the agreement set forth in the application. Any construction stamped with this certification mark shall have been built strictly in accordance with the provisions of the ASME Boiler and Pressure Vessel Code.

COMPANY: **QUALITECH ENGINEERING & CONSTRUCTION CO., LTD.**
Rayong Factory
10/9 Soi Kee Ree, Sukhumvit Road,
Huaypong District
Rayong 21150
Thailand

SCOPE:
Manufacture and assembly of power boilers at the above location and field sites controlled by the above location

AUTHORIZED: **October 23, 2017**
EXPIRES: **December 1, 2020**
CERTIFICATE NUMBER: **48,366**


Board Chair, Conformity Assessment


Managing Director, Conformity Assessment



CERTIFICATE OF AUTHORIZATION

The named company is authorized by the American Society of Mechanical Engineers (ASME) for the scope of activity shown below in accordance with the applicable rules of the ASME Boiler and Pressure Vessel Code. The use of the certification mark and the authority granted by this Certificate of Authorization are subject to the provisions of the agreement set forth in the application. Any construction stamped with this certification mark shall have been built strictly in accordance with the provisions of the ASME Boiler and Pressure Vessel Code.

COMPANY: **QUALITECH ENGINEERING & CONSTRUCTION CO., LTD.**
Rayong Factory
10/9 Soi Kee Ree, Sukhumvit Road,
Huaypong District
Rayong 21150
Thailand

SCOPE:
Manufacture of pressure vessels at the above location and field sites controlled by the above location (This authorization does not cover impregnated graphite)

AUTHORIZED: **October 23, 2017**
EXPIRES: **December 1, 2020**
CERTIFICATE NUMBER: **48,367**


Board Chair, Conformity Assessment


Managing Director, Conformity Assessment



The American Society of Mechanical Engineers

Certificates & Safety Awards Year 2015



IRPC
PUBLIC COMPANY LIMITED

VGOHT RECOVERY PROJECT



Client/customer

IRPC Public Company Limited

Client reference

Rangsan Intho, Project Manager

Location

Rayong, Thailand

Dates/timing

Sep 2014 - May 2015

Project value

Contract Value 189.69 MB.
Actual Value 320.00 MB.

Project Capacity (Refinery Plant)

215,000 barrels per day

Services/ scope

Demolition/Modification service repair the refinery Plant (Vacuum Gas Oil Hydrotreating Units) which damage by fire incident

Civil work for Repairing the refinery Plant (Vacuum Gas Oil Hydrotreating Unit) which damage by fire incident
Remove and Transport the existing column and Replace the new column and Vessels

Fabrication and Erection the Structural Steel, Plant form and Ladder

Fabrication and Erection Piping work, Painting work, Insulation work and fire proof work

Project key highlights

Urgent site Development and Construction of the damaged Plan

Urgent dismantle of damaged items

Heavy Lifting for removal of damaged Column and Drums and installation of new ones

Repairing of the damaged Concrete Columns, Foundations, Pipe Racks, Shelter, Painting, Insulation and fire proof

Replacement of damaged Piping, Pumps, Pressure Vessels & Columns, Steel Structure, Painting, Insulation and fire proof

Systems testing and Hand Over

Pre-Commissioning/ Commissioning and Start-Up

Provide the raw materials and delivery on time

Installation the fire proofing concrete

Fabrication and Installation the Fire Fighting System

QTEC personnel:

Project Manager : Torsak Sorn-Ard
Site Manager : Chawalit Asasee

Project description

The IRPC Public Company Limited would like to recover the damaged Vacuum Gas Oil Hydrotreating by Fire Case on Jun 09, 2014. IRPC require replacing and repairing the VGOHT Units which damage by fire incident and want them ready for starting plant again by end the of May 2015. Several preparation works has been done by IRPC's maintenance team and require further engineering and consultant service from Amec-Foster Wheeler and Construction by QTEC.

Project highlights (key service(s) provided)

Urgent Construction and recover the damaged unit by fire case

Fabrication and Erection for fire fighting system for VGOHT Unit

Heavy Lifting for the existing new column and vessels

Construction Management and Supervision

QA/QC Monitoring and Control

Manpower Supply for Pre-Commissioning, Commissioning and Start up

Project challenges/solutions

Manage the construction with the big OT work was provided to achieve the required schedule

Project Critical Path such as piping, equipment works that management to crash the project schedule / Pay extra money to long lead equipment suppliers to minimize lead time

Crashed the Construction schedule by intensive paying to the direct and indirect manpower

Overlap schedule for construction and pre-commissioning/commissioning activities to minimize the pre-commissioning, commissioning and start-up schedule.

Client requirements / restrictions

Recover the damaged unit to normal operation ASAP.

Zero accident, Safety and Environmental issue

Plant Reliability, Availability

Benefit statement

Cost/Budget Optimization

2 Months ahead schedule from original plan for Plant Start-Up

Zero Safety Record

No Environmental Issue

Flawless Plant Start Up and Operation.

Improvement of Plant Safety and Reliability

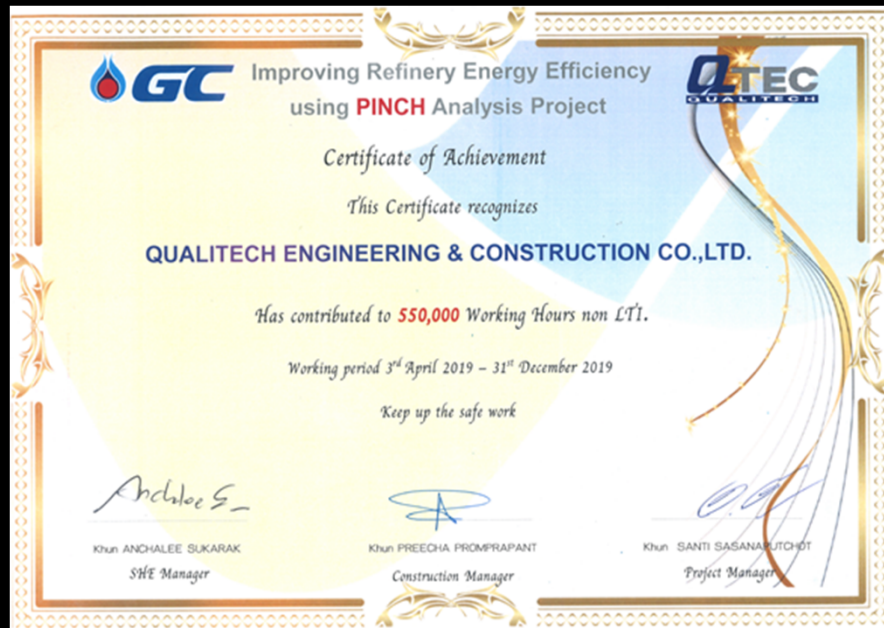
Signed

(RANGSAN INTHO)

VACUUM GAS OIL HYDROTREATING RECOVERY
PROJECT MANAGER

Issue Date : May 30, 2015

Certificates & Safety Awards Year 2019 - 2020



Certificates & Safety Awards Year 2016 - 2017



Certificates & Safety Awards Year 2015 - 2016



Certificates & Safety Awards Year 2014



Certificates & Safety Awards Year 2013-2014



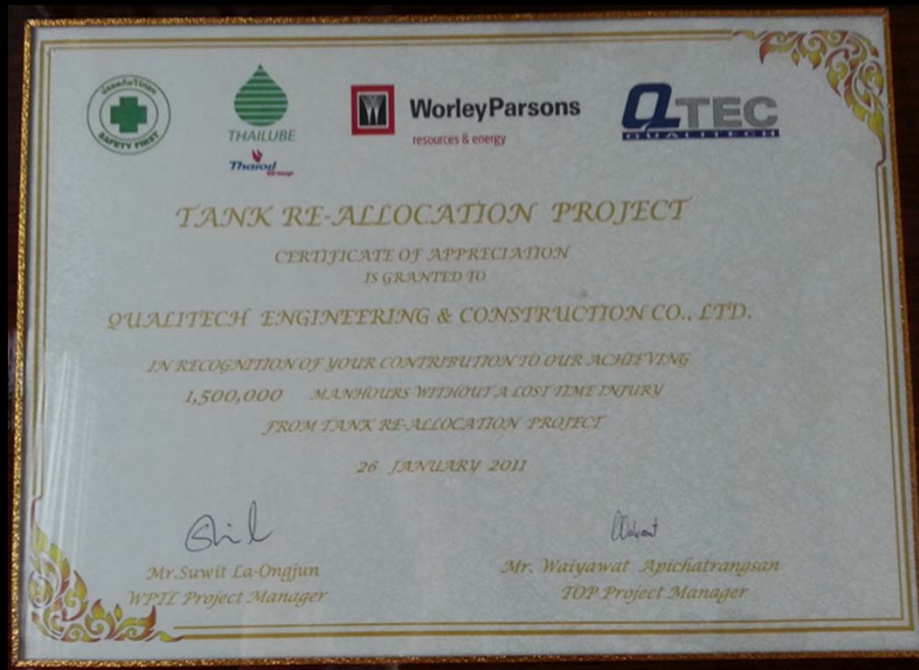
Certificates & Safety Awards



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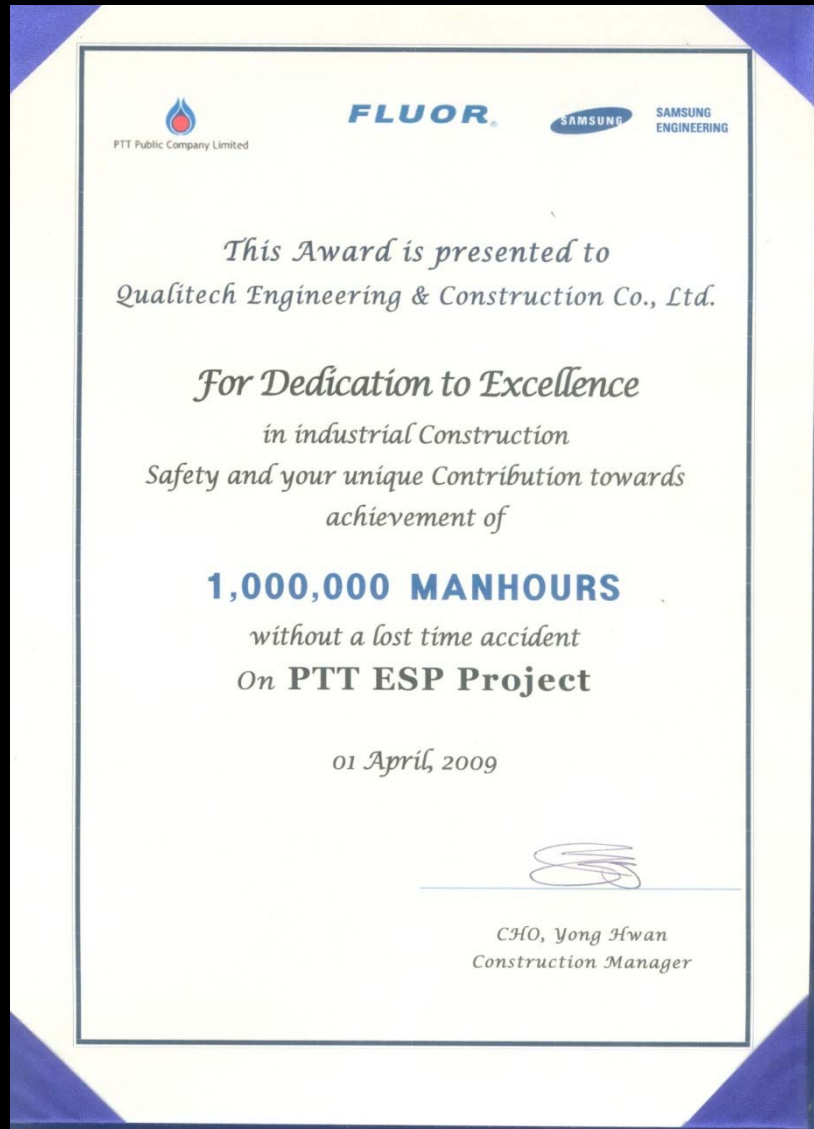
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AWARD IN RECOGNITION FOR SAFETY

We, the Consortium of SKEC and GS E&C are pleased to award to

Qualitech Engineering & Construction Co., Ltd.

For Your Commitment and Contribution Towards Safety in Achieving
6,000,000 Safe Man Hours on ATC# 2 Project

Date of achievement 17th February 2007

Reformer & Aromatics Complex II Project

Mr. S. I. Lee
Construction Manager

Mr. H. R. Park
Deputy Construction Manager





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