



BROCHURE

NEW FORCE IN HEAVY INDUSTRIES



BJC HEAVY INDUSTRIES PUBLIC COMPANY LIMITED

VISION

- To be a world-class integrated engineering, procurement, fabrication and modularization service provider.

MISSION

- To create sustainable value for shareholders through our business's sustainable growth.
- To strive to operate business under ESG framework.
- To provide products & services for customers with exceptional quality and on-time delivery.
- To make contribution to societies through our business operation on a sustainable basis.

BUSINESS STRATEGY

In order to achieve our long-term sustainable growth, BJCHI strongly aims to:

- Deepen and focus on oversea markets;
- Expand products and services to local markets;
- Continue cost saving plan to maintain competitiveness;
- Develop people to enhance their knowledge, skills and abilities
- Comply with the International standards of management system with continuous improvement



HISTORY



1994

Founded as BJC Industrial Company Limited, at Maptaphut, Rayong.



2008

Commenced the Tenke Fungurume Mining Project in DR Congo for Large-Scale Site Erection services.



2013

Listed on the Stock Exchange of Thailand. Established the Galvanizing Shop and the Grating Shop to enhance production efficiency.



2001

Relocated to Nikompattana, Rayong and expanded capacity.

Began working with major overseas customers, including ITT S.p.A.



2009

Expanded business line to Pre - cast Concrete services.

Delivered the Air Liquide H₂ Plant Project at site in Singapore for site Erection Service.



2014

Included in SET100 and MSCI Global Small Cap Indexes.

Commenced the Petrobras FPSO P75/P77 Modules Project in Brazil.

Certified ISO 14001 : 2004 for Galvanizing Shop.

Received the CSR Award for Excellence in Supporting the Disabled.

Established the Built-up Beam Shop for fabricating steel products.



2003

Registered with BOI.

Certified ASME Stamp Holder - S, U, U2, and R.



2011

Certified ISO 14001:2004 (Environment Mgmt System).

Certified OHSAS 18001:2007 (Occupational Health and Safety Mgmt System).

RIO TINTO



2006

Commenced the Alcan Gove Calcinator Project in Australia about Fabrication and Modularization work.

ORIGIN ENERGY



2012

Commenced the APLNG Pre - Assembly Unit & Wellhead Separator Projects in Australia due to exceptional products and services widely recognized.



2015

Commenced the FPSO Compression Modules Project (01B and 02B) with TUPI (Petrobras & Partners).

Enter into a service agreement with TUPI (Petrobras & Partners).

PETROBRAS



2016

- Commenced the FPSO Compression Modules Project (03B) after successfully delivered The FPSO Compression Modules (01B and 02B) with excellent quality.
- Received ESG100 certificate from ThaiPat Institute for its contribution to society, environment under good corporate governance framework.



2017

- Receive Best IR award for the group of listed companies with market capitalization between 3,000 - 10,000 million baht.
- Entered into Memorandum of Understanding (MOU) with SunSHIFT to execute Solar panel demonstration project in Australia.

PETROBRAS



2018

- Successfully delivered The FPSO Compression Modules (03B) with TUPI BV.
- Commenced the UPGN Comperj of Kerui Método Construção e Montagem S.A in the oil and natural gas industry in Brazil.
- Successfully certified as a member of Thailand's Private Sector Collective Action Coalition Against Corruption (CAC).

OPHIR



2019

- Successfully delivered Phase 4B BLWPC and Decks Fabrication and Transportation of Ophir Thailand (Bualuang) Limited.
- Commenced the CRISP' project largely engaging in Steel Fabrication and Modules Construction work in Oil and Petrochemical industry in Singapore.

PETROBRAS



2020

- Successfully delivered UPGN Comperj of Kerui Método Construção e Montagem S.A in the oil and natural gas industry in Brazil.
- Successfully delivered LINDE project in the gas industry in United States.
- Received 2020 Outstanding IR Award from SET Award 2020 in the group of listed companies with market capitalization between 3,000 - 10,000 million baht.

RIO TINTO



2021

- Successfully delivered Koodaideri project relating to steel fabrication and modularization in mining industry, located in Australia
- Successfully deliver OWMAN and MARLIM AZUL M501JAC Modular Package Skid project relating to steel fabrication in power plant industry, located in United States and Brazil
- Received Santos project relating to supply and fabrication of Wellhead Separator in gas industry, located in Australia

EXXON MOBIL

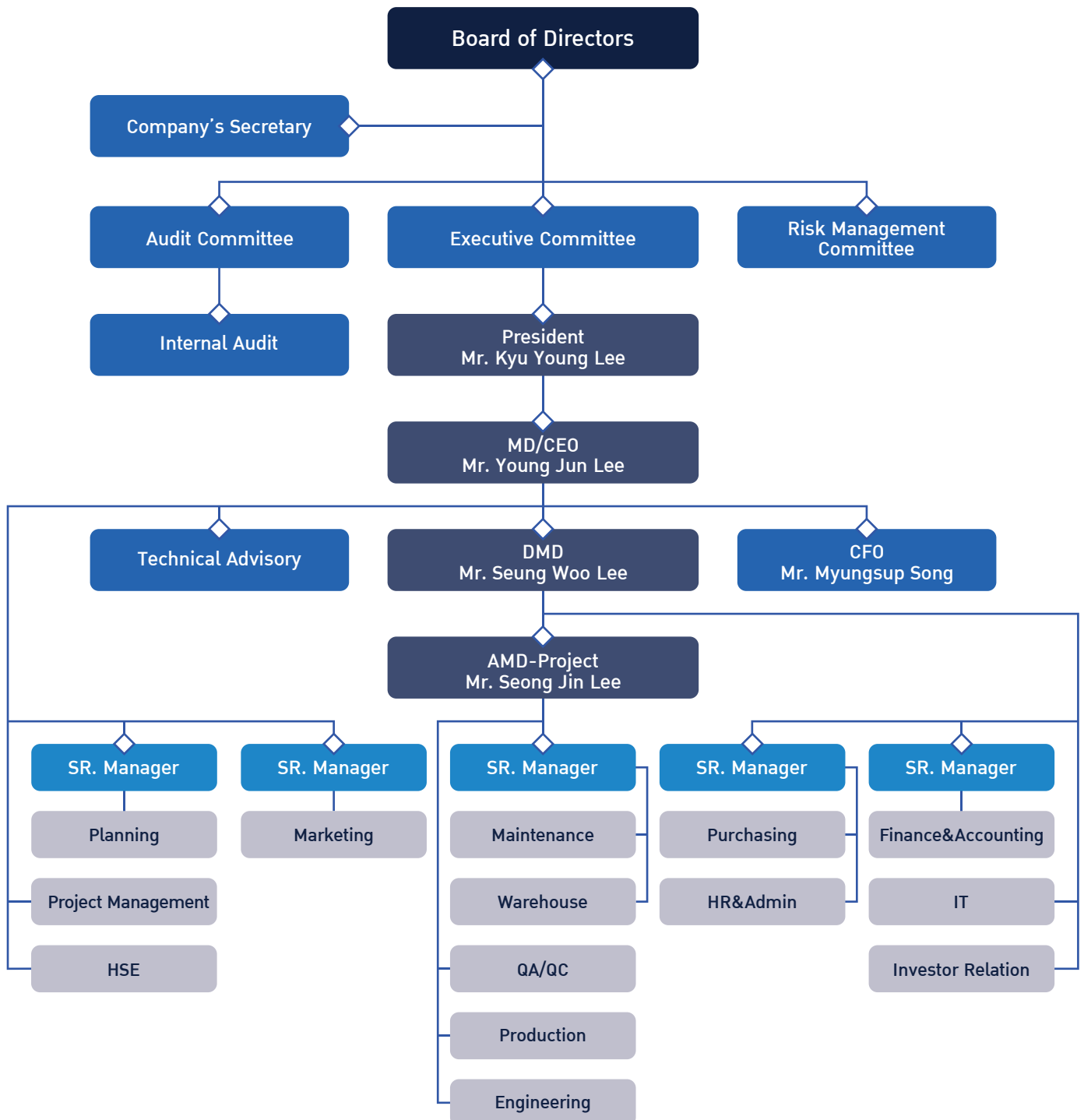


2022 - 2023

- Successfully resumed CRISP, the large-scale project in petrochemical industry, located in Singapore
- Successfully deliver GENESEE M501JAC Modular Package skid relating to steel fabrication in power plant industry located in Canada
- Continued receiving Santos project relating to supply and fabrication of Wellhead Separator in gas industry located in Australia

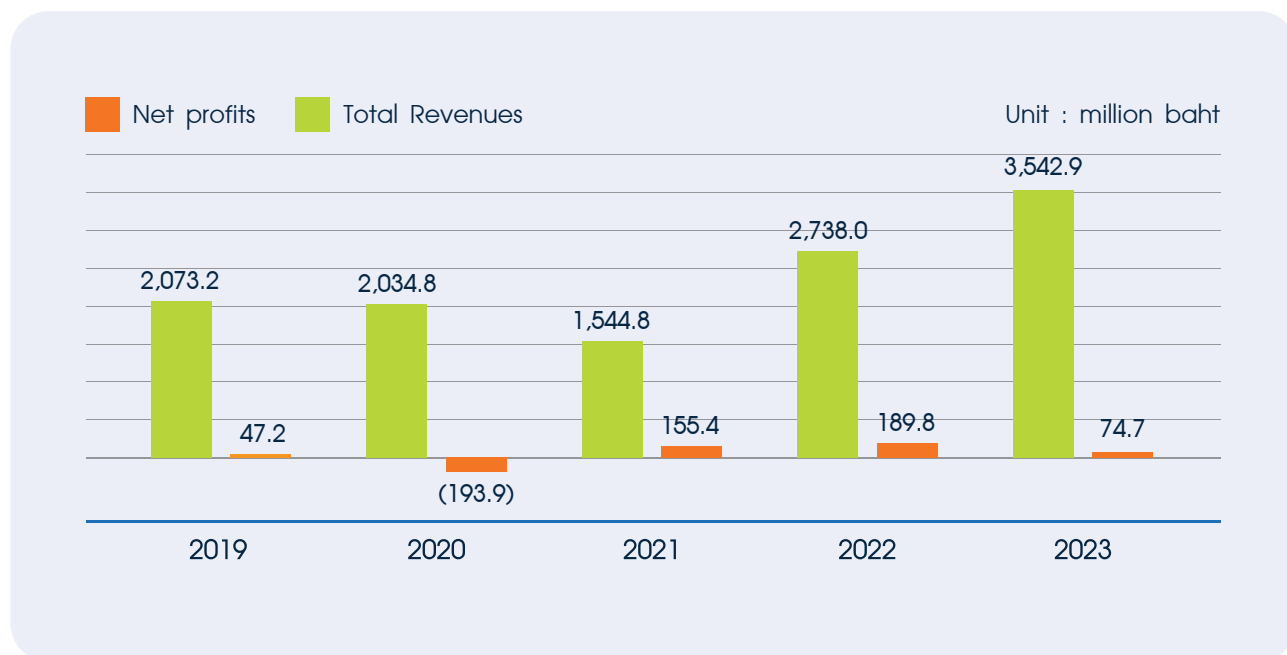
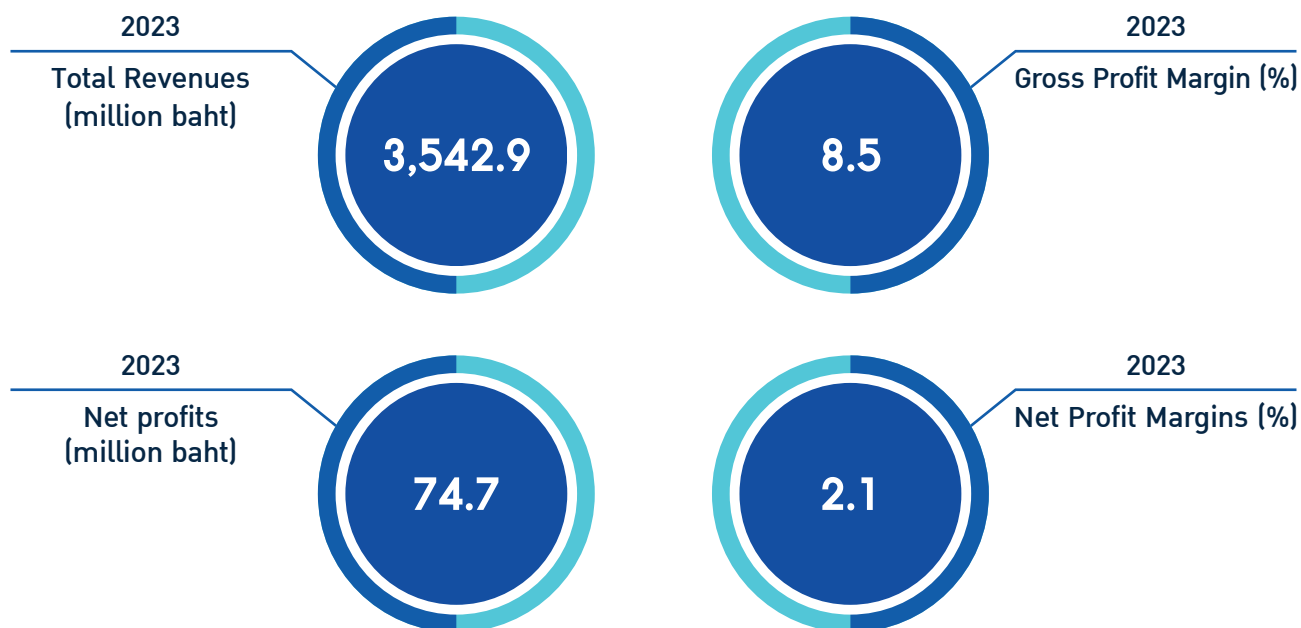
COMPANY ORGANIZATION

The Company recognizes the importance of diversity in the structure of the board, by the one essential factor is increasing efficiency in considering and managing the organization. The diversity of the board includes gender, age, education history, skills, knowledge and experience. Therefore, in the recruitment and consideration appoint board of the Company will consider from knowledge and competence with the criteria for selectively of variety benefit that the Company will gain.



*Remark : The Internal Audit team of the Company works in cooperation with Dharmniti Internal Audit Co., Ltd., the Internal Auditor.

FINANCIAL HIGHLIGHT



Currency :Thai Baht					
YEAR	2019	2020	2021	2022	2023
Total Revenues	2,073.2	2,034.8	1,544.8	2,738.0	3,542.9
Net profits	47.2	(193.9)	155.4	189.8	74.7



BR PETROBRAS | TUPI PROJECT



ExxonMobil | CRISP PROJECT

NATURE OF BUSINESS

BJC Heavy Industries PCL (“the company” or “BJCHI”) engages in steel fabrication business into 30th years. Our products and services are composed of Modularization, Steel Fabrication, Site Erection, Precast Concrete and Other Services. BJCHI’s business can be divided into 5 categories as follows;



MODULARIZATION

BJCHI has both the expertise and experience in executing large-scale international modularization projects. Modularization work entails putting together steel structures, piping spools, equipment such as compressors, pressure vessels, heat exchangers, and electrical and instrumentation systems into a module as per design specifications. While modularization significantly cuts construction costs, helps optimize site manpower resources and overcome extreme site limitations for clients.

It requires more advanced engineering, large shops and land with modularization yards strategically located near the port. BJCHI fabricates steel components in the Company’s manufacturing shops in Nikompattana. Then, the modularization processes yards, which are located next to Sattahip Port.



STEEL STRUCTURE FABRICATION & INSTALLATION WORK

The Company fabricates steel products into various types of structural steel parts by bringing structural steel, steel pipes and steel plates, which are the main raw materials for production by cutting, bending, welding and assembling according to the designs specified by the customer. The products of steel fabrication are as follows.

Fabrication of steel into large structures used in industrial plants and buildings such as refinery, petrochemical, power plant, and mining.



PIPING FABRICATION & INSTALLATION WORK

Fabrication of steel pipes into various sizes and shapes for assembly and installation within the production processes in industrial plants.



HEATER & REFORMER

Fabrication of steel components for heaters and reformers used in such industries as petrochemical, refinery and mining. BJCHI has completed more than 300 heater/reformer projects.



STORAGE TANK

Fabrication of steel tanks storing liquid, gas or chemical substances. BJCHI's first line of products started with storage tanks in 1994.



PRESSURE VESSELS AND PRESSURE PARTS

Pressure vessels and components are equipment that safely contains or transports high-pressured liquid or gas substances in the industrial production processes.

Quality in accordance to specific safety standards is paramount.

The important part of steel product processing is the ability of engineers, supervisors and craftsmen in steel structure works such as cutting, bending, drilling and welding to assemble the structure according to the client's design. The Company has experienced engineers to supervise the project management, and has skilled technicians who have a welder certificate according to the standards of each type of product.

In addition, the Company also has its quality assurance and quality control department that control the selection of welders who meet the standards of each project specified by the clients. So far, the Company has constructed and modernized galvanizing plant, grating plant and build-up beam shops to improve our production facilities which can help reduce project management schedule and operating costs to achieve sustainable business growth.



SITE ERECTION

BJCHI has been building huge steel structures for many industries such as mines, power plants, and industrial plants for both Thai and international clients, impressing them with exceptional project execution. A dedicated team of engineers and skilled workers are assigned to the client's site for each project. Site erection and construction scopes are extensions

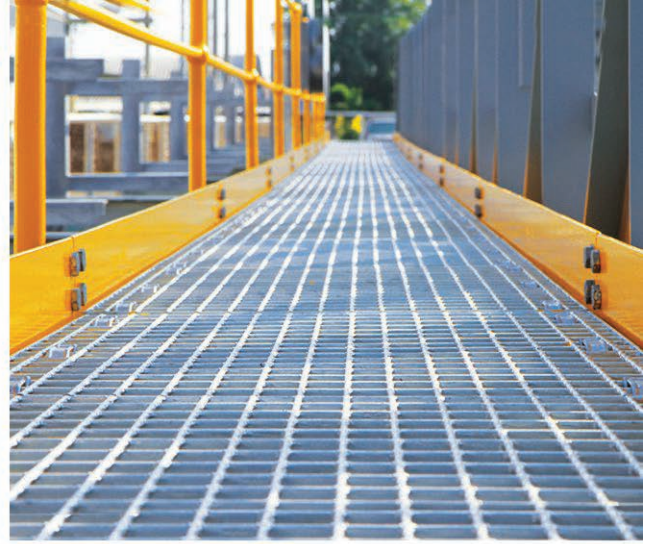
of the fabrication scopes after completion at our manufacturing plant. BJCHI works closely with our clients at all stages from planning to procurement, material control and inspection, fabrication, modularization, transportation, installation and construction to ensure meeting the quality standards and the required schedule.



PRECAST CONCRETE

BJCHI is capable of manufacturing a range of precast concrete products according to clients' designs and specifications including Core Loc breakwater,

precast concrete panel, pre-stress concrete panel used in construction of bridges, highway and harbors.



OTHER SERVICES














- Galvanizing
- Grating
- Built - up Beam
- PWHT (Post Weld Heat Treatment)

The galvanizing and grating shops, post-weld heat treatment facilities and the built-up beam production line make it possible not only to improve, manage and ensure outstanding quality but also to enable faster delivery and accommodate the changing needs of our customers in an expedient manner. These services are provided for both BJCHI's projects as well as for external clients with specific service needs which are accommodated by Galvanizing, Grating, Built-up Beams and Post-Weld Heat Treatment services.



INDUSTRIES

OIL & GAS UPSTREAM

-  Santos Cooper Basin Contract 2 (Australia, 2023–2026)
-  Santos GLNG Contract 2 (Australia, 2023–2026)
-  Santos Project (Australia, 2019–2024), 2,122 skids
-  Linde Project (United States, 2019–2020), 4,460 tons
-  PTLNG Project (Thailand, 2019–2020), 400 tons
-  Petrobras UPGN Comperj Project (Brazil, 2017–2020), 66 skids, 3,500 tons
-  Ophir Phase 4B BLWPC and Decks Fabrication and Transportation (Thailand, 2018–2019), Wellhead Platform 1,900 tons
-  Petrobras TUPÍ Replicant FPSO Compression Modules Packages III Project (Brazil, 2015–2017), 15,000 tons
-  Petrobras FPSO P75/P77 Modules Project (Brazil, 2014–2017), 27,215 tons
-  Origin Energy APLNG Upstream Wellhead Separators (Australia, 2012–2015), 1,200 skids.
-  Chevron Wheatstone LNG Plant (Australia, 2014), 2,200 tons
-  Origin Energy Gas Train Pre-Assembly Units (Australia, 2012–2014), 15 modules.
-  PTT Gas Separator Plant 6 (Thailand, 2009), 1,500 tons



REFINING & PETROCHEMICAL

- 
ExxonMobil ExxonMobil Crisp Project (Singapore, 2019-2023), 16,400 tons
- 
First Quantum Cobre Panama Project (Panama, 2018), 200 tons
- 
Petrobras UFN Fertilizer Plant (Brazil, 2015), 3,000 tons
- 
PTT Thai Linear Alkybenzene Project (Thailand, 2014), 700 tons
- 
Hyundai UTE Punta del Tigre CCPP Project (Uruguay, 2014), 600 tons
- 
Air Liquide Hermes H2 Plant (Singapore, 2009), 2,400 tons.
- 
ITT Industries Abadan & Procon Projects (Iran, 2009), 1,200 tons
- 
Rio Tinto Alcan Gove Alumina Refinery (Australia, 2005-2006), 11,000 tons



MINING

- RioTinto Rio Tinto Koodaideri Project (Australia, 2020-2021) 7,300 tons
- BHP BHP Spence Growth Project (Chile, 2018), 1,500 tons
- 
Roy Hill Iron Ore Project (Australia, 2014-2015), 7,000 tons
- RioTinto Rio Tinto Cape Lambert Port B (Australia, 2012-2014), 12,000 tons
- KARARA
MINEFIELD LTD Karara Mining Geraldton Port Berth 7 (Australia, 2011-2012), 2,300 tons
- 
FMG Solomon Mining Project (Australia, 2011), 1,400 tons
- BHP BHP Rapid Growth 5 Project (Australia, 2009-2010), 4,400 tons
- 
Freeport-McMoran Tenke Fungurume Mining (Congo, 2008), 1,200 tons



POWER & OTHERS

- ARKE** **ARKE ENERGIA** Lowman and Marlim Azul Project (United States and Brazil, 2020-2021) 484 tons
- QAFCO** **QAFCO** Rapo Power Plant (Qatar, 2009), 460 tons
- Central Puerto** **Central Puerto** Argentina Co-generation Plant (Argentina, 2007), 460 tons
- MITSUBISHI HEAVY INDUSTRIES** **MITSUBISHI HEAVY INDUSTRIES** Su Tu Wang Offshore Project (Vietnam, 2007), 400 tons
- SAMSUNG ENGINEERING** **SAMSUNG ENGINEERING** Zawitina CCPP (Libya, 2006), 350 tons
- MITSUBISHI HEAVY INDUSTRIES** **MITSUBISHI HEAVY INDUSTRIES** BLCP Power Plant (Thailand, 2005), 400 tons
- fortum** **HANJUNG AUSTRIAN ENERGY FORTUM FINLAND ENGINEERING LTD.** Laemchabang Cogeneration Power Plant(Thailand, 2001), 1,100 tons & 3 turbines
- BHP** **BHP** SunShift Solar Panel Demonstration Project (Australia, 2017), 300 tons

INTERNATIONAL CERTIFICATIONS

BJCHI has certificates from well-known international institutions which are a testament to the Company's commitment and capabilities to deliver products and services of the highest quality.

ISO AND OHSAS CERTIFICATES ACCREDITED BY TÜV NORD

- ISO 9001 :2015 (Quality Management System)
- ISO 14001:2015 (Environmental Management System)
- ISO 45001:2018 (Occupational Health and Safety Management System)



CERTIFICATES FROM AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME)

- Standards for "S", "U" and "U2" (boiler and pressure vessel)





OUR TRACK RECORD OF MORE THAN 30 YEARS

IN EXECUTING LARGE-SCALE INTERNATIONAL PROJECTS IS A TESTAMENT TO OUR UNWAVERING COMMITMENT TO PROVIDE EXCEPTIONAL QUALITY, DELIVER ON-TIME AND EXCEED CUSTOMER EXPECTATIONS. WE HAVE SUCCESSFULLY COMPLETED PROJECTS GLOBALLY



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