

GREAT THINGS. SMALL BEGINNINGS

緣起微小、造就美好

台朔重工

FORMOSA HEAVY INDUSTRIES CORP.

發電廠暨汽電共生系統



Power Generation & Cogeneration System

Clean Power 潔淨發電技術
Generation Technology



發電廠暨汽電共生系統

規劃・設計・製造・建造・試車・售後服務

Power Generation & Cogeneration System

Engineering, Design, Manufacturing, Construction, Commissioning
and After-sales Service



台塑石化公司 MP-1~6
Formosa Petrochemical Corp.
PC 350 T/H X 5 + PC 540 T/H X 1
96 MW X 1 + 69 MW X 2 + 34 MW X 2

1



台塑石化公司海豐 HP-1~5
Formosa Petrochemical Corp. Haifeng
PC 500 T/H X 3 + PC 540T/H X 2
100 MW X 3 + 52MW X 2

2



台塑石化公司 RF-CFB
Formosa Petrochemical Corp.
CFB 500 T/H X 150 MW X 2

3



麥寮汽電公司 FP-1~3
Mailiao Power Corp. IPP

4

PC 1950 T/H X 600 MW X 3



台塑石化公司 UP-A~C
Formosa Petrochemical Corp.

5

PC 1950 T/H X 600 MW X 3



麥寮風力發電示範系統
Mailiao Wind Power Plant

6

660 KW X 4



台塑企業麥寮園區 全景

Formosa Plastics Group Mai-Liao Industrial Complex

- 各類型發（儲）電設施評估與規劃
Evaluation & planning for various power generation & storage facilities
- 各類型發（儲）電設施運轉模式分析
Operating mode analysis for various power generation & storage facilities
- 各類型發（儲）電設施的基本設計和詳細設計
Basic design & detail design for various power generation & storage facilities
- 各類型發（儲）電設施的建造、安裝及試車
Construction, installation/erection and commissioning for various power generation & storage facilities
- 試車、運轉、維修人員代訓
Training for commissioning run and O&M
- 美國 BHI-FW（前身爲 Amec Foster Wheeler）
BHI-FW (former "Amec Foster Wheeler") as the technology licensor of Subcritical PC boilers
- 奇異公司（前身爲阿爾斯通能源）
GE (former "Alstom Power") as the technology licensor of CFB boilers
- 台塑企業內外 80 餘套電廠建廠及運轉經驗
Abundant experienced in construction and operation for over 80 power plants in and outside Formosa Plastics Group
- 國際知名發電設備供應商商業合作
Partnering in business with international well-known power equipment companies

- 燃煤、燃油及燃氣發電廠、汽電共生廠、廢轉能再生能源電廠及電池儲能系統等
各類型發（儲）電設施統包服務
EPC integration services for various power generation & storage facilities incl. thermal (coal, oil, gas) power plants, co-generation plants, waste-to-energy plants, battery energy storage systems etc.
- 製造和銷售各類電廠設備：Manufacture & supply of power plant equipment:
- 亞臨界鍋爐：200 T/Hr ~ 1,000 T/Hr，燃煤、油
Coal/oil firing subcritical boiler, capacity range: 200 T/Hr ~ 1,000 T/Hr
- 超臨界鍋爐：1,000 T/Hr ~ 3,000T/Hr，燃煤、油
Coal/oil firing supercritical boiler, capacity range: 1,000 T/Hr ~ 3,000 T/Hr
- 循環流體化床鍋爐：120 T/Hr ~ 1,000 T/Hr，燃煤、石油焦
Circulating fluidized bed (CFB) boiler, firing coal, petcoke, sludge
capacity range: 120 T/Hr ~ 1,000 T/Hr
- 電廠 DCS 規劃 DCS planning for power plant
- 冷卻水塔：1,000 T/Hr ~ 5,500 T/Hr（每槽）
Cooling tower, capacity range: 1,000 T/Hr ~ 5,500 T/Hr (Per Cell)

我們的客戶 Our customers



Toledo Power Co.

華亞汽電公司桃園 HY-1/2
Hwa Ya Power Corp.
Tao-Yuan, Taiwan
PC 540 T/H X 160 MW X 2



AboitizPower
A Better Future



義芳化學工業股份有限公司
Yee Fong Chemical & Industrial Co., Ltd.



安達能源 ANDA-1
Anda Power Corp.
Pampanga, Philippines
CFB 300T/H×82MW



Masinloc Power Partners Co. Ltd.
MSL #4 #5
Masinloc, Zambales, Philippines
Supercritical PC 1026T/H X 350 MW X2



Panay Energy Development Corp. PEDC
Iloilo, Philippines
CFB 300 T/H X 82 MW X 2
CFB 520 T/H X 150 MW



Toledo Power Company TPC-1A
Cebu, Philippines
CFB 300 T/H X 82 MW



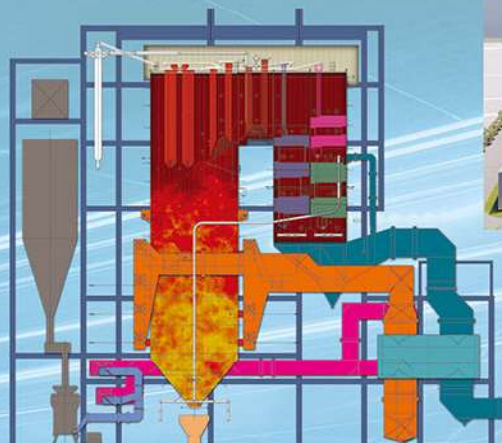
亞太能源 AP-1
Asia Pacific Energy Corp.
Pampanga, Philippines
CFB 200 T/H X 52 MW



Mariveles Power Generation Corp. MPGC
Mariveles, Bataan, Philippines
CFB(RH) 460 T/H X 150 MW X 4



●循環流體化床鍋爐
Circulating Fluidized Bed
(CFB) Boiler



●超臨界鍋爐
SCPC Boiler



●廢轉能再生能源廠
Waste to Energy (WtE)

台灣立方能源桃園再生能源電廠 TCE
Taiwan Cube Energy Taoyuan WtE Power Plant
Tao-Yuan, Taiwan
WtE 400 T/d x 19.9 MW



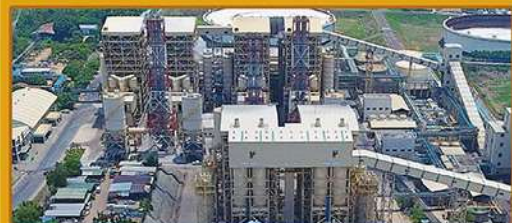
玖龍紙業公司天津 NDTJ-1/2
Nine Dragons Paper (Holdings) Ltd.
Tianjin, China
CFB 300 T/H X 43.56 MW X 2



印尼旭硝子化學公司 ASC
PT Asahimas Chemical.
Banten, Indonesia
CFB 500T/H X 151.5 MW X 2



Petron Corporation RSFFPP & RSFFB
Bataan, Philippines
CFB 200 T/H x 35MW x 4
CFB 200 T/H x 22MW x 2



SMC Consolidated Power Corp.
SMC LIMAY
Bataan, Philippines
CFB (RH) 460 T/H X 150 MW X 4



越南台灣興業公司 VN-1~3
Formosa Industries Corp.
Dong Nai, Vietnam
PC 540 T/H X 3



Taganito HPAL Nickel Corp. THP-1
Taganito, Philippines
CFB 300 T/H X 48 MW



Therma South Inc. TSE-1
Davao, Philippines
CFB 520 T/H X 150 MW X 2



San Miguel Consolidated Power Corp.
SMC MALITA
Malita, Davao, Philippines
CFB (RH) 460 T/H X 150 MW X 2



● 儲能系統
BESS



● 離岸風電水下基礎單樁式
Offshore Wind Monopile



● 太陽能發電
Solar Power Generation



製造設備

Equipments for Manufacturing

- 管排自動潛弧焊機
Tube panel submerged Arc welding machine.
- CNC 管排彎曲機
CNC tube panel bending machine
- CNC 鑽孔機
CNC drilling machine for headers
- 管對管自動焊接、X-ray 及時攝影及 AOI 自動判片
Straight tube automatic butt welding machine, and Real time X-ray examination with AOI welding quality interpretation system
- CNC 複合模彎管機 (最小彎曲半徑 1xO.D)
CNC cold bending machine with dual radius (Min. radius 1xO.D)
- 彎管熱擠壓精整機 (最小彎曲半徑 0.65D)
Hot Squeezing Machine (Min. radius 0.65D)
- 自動溫控退火爐
Stress relief furnace.
- 管排管端智能切割機
Panel end cutting machine with robot.



- ASME [S], [U], [U2] ●ISO 9001 & 45001 & 14001
- 中華人民共和國特種設備製造許可證 (鍋爐 A 級、壓力容器 A1/A2 級)
Manufacture license of special equipment approved by People's Republic of China (Boiler A & Stationary pressure vessel A1/A2)

品質保證 / 環境、安全、衛生

Quality Assurance / Environmental, Safety & Health / Manufacturing

及製造許可





台塑企業
FORMOSA PLASTICS GROUP

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寧波行政中心 Ningbo Administration

