

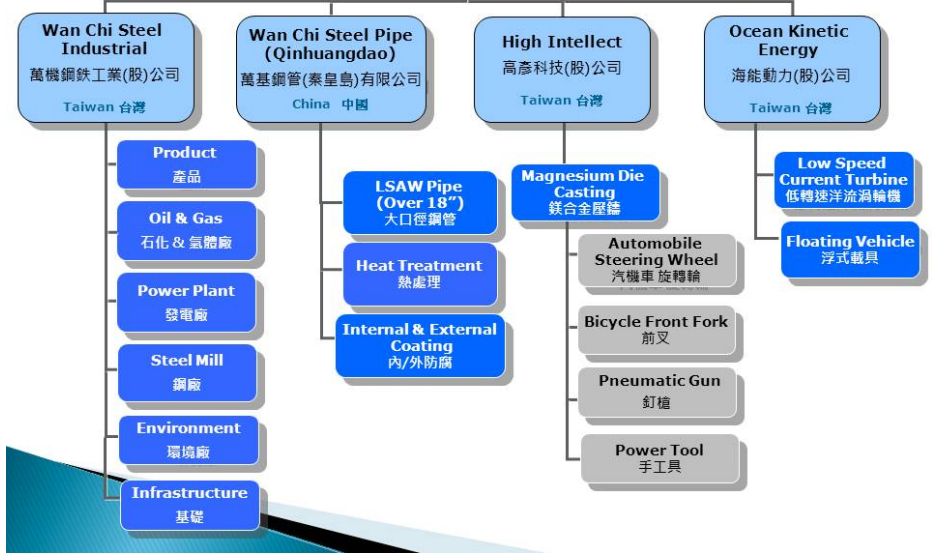


Wan Chi Steel Industrial Co. Ltd.



萬機鋼鐵工業股份有限公司
WAN CHI STEEL INDUSTRIAL CO., LTD.

Wan Chi Group
萬機集團



萬機鋼鐵工業股份有限公司
WAN CHI STEEL INDUSTRIAL CO., LTD.

萬機鋼鐵 Wan Chi Steel

公司成立
Established :1969

資本額: NT\$510,000,000
Capital: (USD 16,000,000)

年營業額: NT\$1,053,000,000
Turnover : (USD33,970,000)

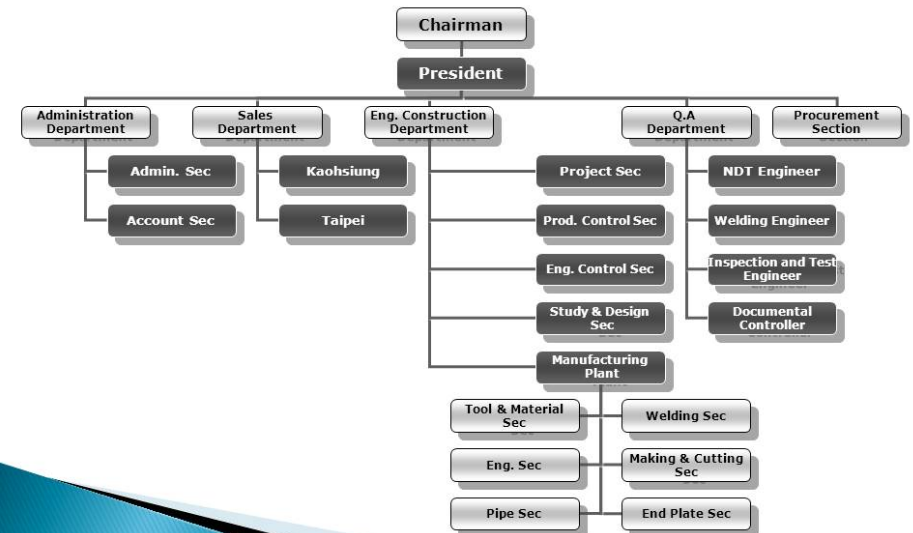
廠區總面積
Areas : 103,700M²

總員工人數:
Employee : 510



萬機鋼鐵工業股份有限公司
WAN CHI STEEL INDUSTRIAL CO., LTD.

公司組織表 Organization



工廠配置 Factory Layout

高產鋁合金廠 (9,10) HICO Subsidiary

(11) 廠內存放區 Storage yard

(8) 不銹鋼廠 Stainless Steel Shop

(1) 端板廠 End Plate Shop

(2) 壓力容器廠 Pressure Vessel Shop

行政大樓 Administration Building

(3) 銅管廠 Pipe Shop

(4) 下料廠 Cutting Shop

(5) 冷作廠 Fit-up Shop

(6) 銅管廠 Pipe Shop

(7) PE包覆廠 PE Coating Shop

退火爐 Heat Treatment Furnace

露天塗裝廠 Painting Shop

塗裝廠 Painting Shop

龍門天車 Overhead Crane

露天廠 Open Yard

300MT 塔式吊車 Tower Crane

加工廠 Machinery Shop

彎管廠 Bend Pipe Shop

物料管制廠 Material Control Room

Total Area: 103,700 M²

5

Bending Roller
 捲板機

Bending Roller
撘板機



Spinning Machine 捻板成型機

2006/07/15

Crane 吊車

Crane 吊車



MFI-HFI Bending Pipe
中週波、高週波彎管機



SAW 焊接設備
SAW Welding Equip.



Heat Treatment Furnace 热处理炉

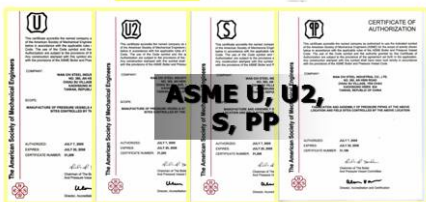


CNC Plasma Cutting Machine
電腦自動離子切割機



2-layer PE Coating
兩層PE包覆機

A collage featuring several ISO standards listed vertically on the left: **ISO 9001**, **ISO 3834**, **EN 1090-1:2009 + A1:2011**, and **EN 1090-2 : 2018**. On the right, there is a sample of a blue 'Certificate' from 'SGS INSTITUT FÜR QUALITÄTSSYSTEME'. The certificate includes fields for 'Name', 'Adresse', 'Telefon', 'Fax', 'E-Mail', and 'Web', along with a section for 'Zertifizierte Normen' (Certified Standards) listing various ISO standards.



**ASME U, U2,
S, PP**

**API 5L**

API 2B

The image shows a sample of a handwritten document, possibly a letter or a form, with a large, bold, black 'PED' stamp overlaid on the left side. The document is written in Hindi and English. At the top, there is a header with a logo and the title 'पत्र' (Letter). The main body of the document contains several paragraphs of text, some of which are underlined. The text is mostly illegible due to blurring and the stamp. The document appears to be a formal communication, possibly a letter of introduction or a reference letter.

PED



美國國家鍋爐和壓力容器檢驗局
R鋼印
The National Board of
Boiler and Pressure Vessel
Inspectors



SEL中國特種設備製造許可證

# ES - 644.0 (Certificate No.)		
용기(탱크 및 특種설비)제출 등록증명서 Certificate of Manufacture Registration of Cylinder/Bellows & Specific Equipment		
신청인 유형 (Business Type)	Pressure Vessel Manufacture	
상호 (Company Name)	Wan Chi Steel Industrial Co., Ltd.	
공장 소재지 (Office Address)	No.360, AoNan Rd., Yanchao Dist., Kaohsiung City, 824, Taiwan (R.O.C.)	
신청인 대표자 (Name of Representative)	Jason Lin	출생연월일 (The date of birth)
	종 류 (Type)	규 격 (Standard)
용기 : 탱크 및 특種설비 (Cylinder, Bellows, Specific Equipment)	Pressure Vessel (Heat Exchanger, Drum, Tower, Reactor, Others)	ASME Section VIII, Div. I
*「고압가스 안전관리법」 제20조(허가, 제조·취급의 신고)에 따라 다음 각 호의 사항을 제조·취급하기 전에 해당 고압가스 안전관리법 제20조 제1항 제1호에 따라 신고하여야 하는 제조업체인 것을 증명합니다. (This certificate is granted to companies that manufacture registration under Article 9(1), Article 5-2 or 10 of the High-Pressure Gas Safety Control Act and Article 9(1) of the Enforcement Rule of the High-Pressure Gas Safety Control Act.)		
2020년 4월 21일 (Year) (Month) (Date)		
제출일자 : 2020. 4. 2 ~ 2021. 4. 1. (Valid Period)		

KGS(Korea Gas Safety Corporation)



TAF(Taiwan Accreditation Foundation)

Q. A. Test Instrument & Device 品質保證檢測儀器 & 設備

No	Description
1	TVRT (real-time) 即時放射線檢測
2	Hydrostatic Test 靜水壓測試
3	Bending & Tension Test 彎曲 & 拉伸測試
4	Magnetic Particle Test 磁粉探傷測試
5	Impact Test 衝擊試驗
6	Hardness Test 硬度測試
7	Roughness Test 粗糙度測試
8	Mat'l Component Analysis 材料成份分析 + Portable PMI
9	Ultrasonic Test Device 超音波測試

TVRT Device 即時放射線檢測設備

Hydrostatic Test Device 水壓測試機

Universal Test Device 萬能試驗機

MT Test Device 磁粉探傷設備

Impact Test Device 衝擊試驗機

Vicker Hardness Test Device (HV)
維氏硬度測試機

Surface Roughness Test Device
表面粗糙度計

Spectrometer 化學分光儀

UT Device & Calibration Block
測試規塊

9

Qualified NDE Inspectors (ASME/CNS) 認證通過之品保檢測人員

No	Test Item 測試項目	LEVEL II (ppi)
1	VT (Visual Test) 目視檢測	8
2	MT (Magnetic Particle Test) 磁粉探傷檢測	11
3	PT (Penetration Test) 滲透液檢測	27
4	RT (X-ray Test) 放射線檢測	10
5	UT (Ultrasonic Test) 超音波檢測	7
6	LT (Leakage Test) 洩漏試驗	4

10



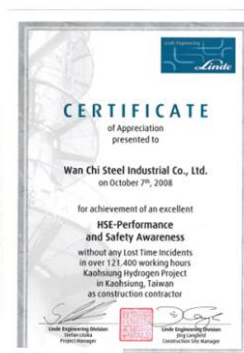
環安衛認證 HSE Certificate (Health Safety Environment)

OHSAS 18001 (Occupation, Health, Safety,
Assessment Series) 職業安全衛生管理系統

Main Item 主要證照項目	Q'ty 證照數
現場安全衛生監督作業人員 Labor Safety Supervisor	460
乙級勞工安全衛生管理員 Class B Certificate for Labor Safety and Hygiene	40
甲級勞工安全/衛生管理師 Class A Certificate for Labor Safety or Hygiene	4
急救人員 First-aid personnel	80

11

HSE Award



承攬範疇 Main Service Scope

• 工程類 Construction :

-石化&化學製程廠
Petrochemical & Process Plant

-電廠設備
Power Plant Equipment

-煉鋼(鐵)廠設備
Steel Mill Equipment

-環境廠設備
Environment Plant

-造型鋼結構/空間桁架
Architectural Steel Structure/Truss

-橋樑
Bridge



萬機鋼鐵工業股份有限公司
WAN CHI STEEL INDUSTRIAL CO., LTD.

13

Main Service Scope

• 產品類 Product

-端板
End Plate (Head)

-中/高週波彎管(熱彎 Hot Bending)
MFI/HFI Bending

-熱處理(退火)
Heat Treatment (Annealing)

-潛伏焊接 大口徑鋼管
SAW Large Diameter Steel Pipe

-壓力容器
Pressure Vessel

-機械設備 設計製造
Mechanical Device Design, Fab. & Install.



14

萬機鋼鐵工業股份有限公司
WAN CHI STEEL INDUSTRIAL CO., LTD.

Petrochemical
& Process Plant
石化&化學製程廠

Construction
(Turn Key)
整廠建造

Pressure Vessel
Fab. & Erect.
壓力設備製造&安裝

EPC Construction
整廠建造

FPG No.6 Naphtha
Cracking Project
台塑六輕專案

1. Heavy Tower 巨型塔

2. Spherical Tank 球型槽

3. S.S. Tank 不銹鋼桶槽

4. Heat Exchanger 熱交換器

5. Heater 加熱爐

Heater Series 加熱爐專題

6. Others 其他壓力容器

15

萬機鋼鐵工業股份有限公司
WAN CHI STEEL INDUSTRIAL CO., LTD.

CPDC Cyclohexanone Plant – Detail Engineering, Fabrication & Construction

中石化頭份環己酮工場建造工程



- 1) 土木設計&建造 Civil
- 2) 鋼構設計&建造 Steel structure
- 3) 設備製作 Equip. Fab. 2 Sets
- 4) 設備安裝 Equip.Install.
- 5) 配管 Piping
- 6) 保溫 Insulation
- 7) 油漆 Painting

16

CPC Talin #10 D-HDS plant Full Construction

中油第10柴油加氫脫硫工場-統包工程



- 1) 產量 Plant Capacity: 40,000 BPSD/per day
- 2) 土木 Civil
- 3) 鋼構 Steel Structure- 1200 Ton
- 4) 設備安裝 Equip. Install. 99 Sets
- 5) 轉動設備 Rotary equip. 68 Sets
- 6) 配管 Piping- 111,531DB
- 7) 保溫 Insulation
- 8) 耐火 Refractory
- 9) 儀電 E & I

17

CPC #10 Sulfur Recovery Unit (SRU) Plant – Mechanical Installation

中油大林第10硫磺工場機械安裝工程



- 1) 產量 Plant Capacity: 204 tons /per day
- 2) 鋼構 Steel structure- 1400 Ton
- 3) 設備安裝 Equip.Install.- 1350 Ton
- 4) 轉動設備 Rotary equip.- 87 Sets (600 Ton)
- 5) 配管 Piping- 210,000DB
- 耐火 Refractory

18

CPC Taichung N2 Filling Station (EPC Base)

中油台中掺配工廠統包工程



金質獎
Golden Quality Award



19

CPC Spherical Tanks (EPC Base) 台灣中油球型槽 統包工程

Capacity內容積: 3500M³ x 12 Sets



金質獎
Golden Quality Award



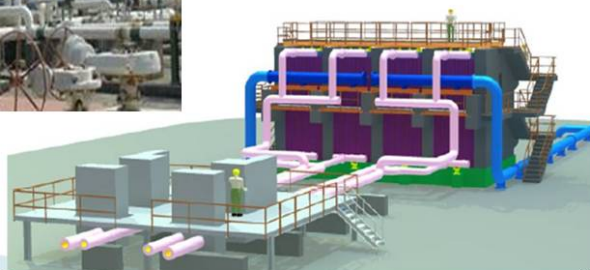
20

CPC Open Rack Vaporizer for LNG Receiving Terminal 中油液化天然氣接收站 - 開架式氣化器



Supply of Pipeline + Pumps and Full Construction
Total: 12 Sets

Client: Kobe Steel



21

CPC RFCC CO-Boiler Supply 中油 RFCC 鍋爐製作

Client: Foster Wheeler



Sub-modules Shop Fab. 小模組廠內製造
Each Wt. appx. 各模組重: 200~220MT (噸)

22

CPC RFCC CO-Boiler Site Construction 中油 RFCC 鍋爐安裝



Sub-modules Wt. appx.
200~220MT (噸)



Site Construction 工地安裝



2011/2/24 13:25

23

CPC Lin-Yuan Aromatic plant BD5/BTX7 Tower and Heat Exchanger 中油林園芳香煙塔槽與熱交換器製作及現場組裝

製作及現場組裝
Fab. and Field Install
Crane capacity:
500 & 550 MT



2010/12/14

12t-25t x 3300mm ID x 61980mm H 111 MT/set
12t-25t x 2900mm ID x 51300mm H 98 MT/set

24

FPG No. 6 Naphtha Cracking Construction

台塑集團 第六套輕油裂解廠

Wan Chi participated in FPG No. 6 Naphtha Cracking Construction since 1996

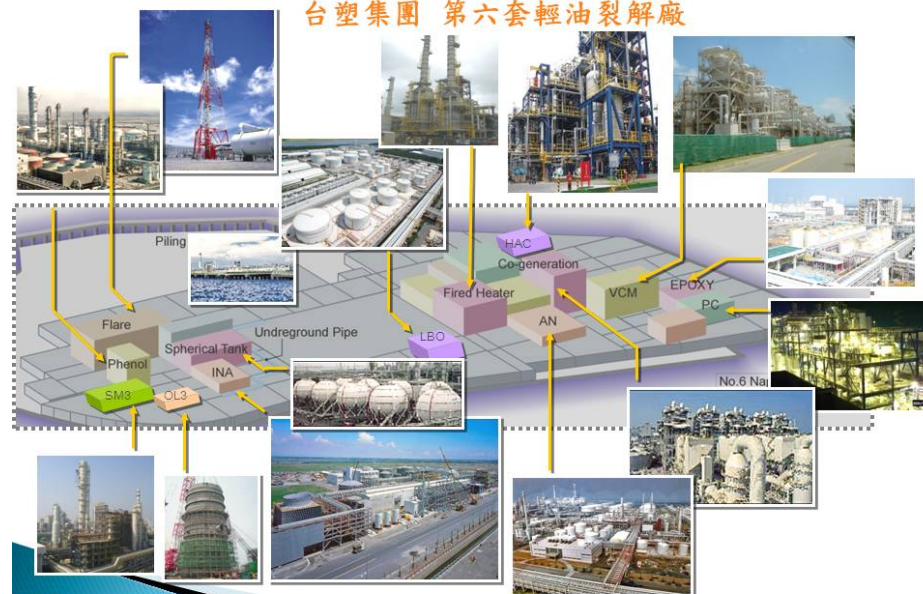
萬機自1996年起參與台塑集團六輕建造工程



25

FPG No. 6 Naphtha Cracking Construction

台塑集團 第六套輕油裂解廠



萬機鋼鐵工業股份有限公司
WAN CHI STEEL INDUSTRIAL CO., LTD.

統包工程 Construction Turn-Key Base

26

FPC / Co-generation Plant- Boilers 5sets

台塑 汽電共生廠 #1~#5機組(Foster Wheeler)



工期 Schedule:
1996/10~1998/9

- 1) 產能 Plant Capacity:
350 tons /hour
5setsx350=1650tons/hour
- 2) 配管 Piping 20,000DB

27

萬機鋼鐵工業股份有限公司
WAN CHI STEEL INDUSTRIAL CO., LTD.

FCFC PHENOL (Phenol Synthesis) Plant

台化 合成酚 (Lummus)



- 1) 年產量 Annual Capacity:
200,000 metric tons
- 2) 土木 Civil
- 3) 鋼構 Steel structure-
5100Ton
- 4) 設備安裝 Equip.Install.-
2400Ton
- 5) 儀電 E & I
- 6) 轉動設備 Rotary equip.-
281 Sets
- 7) 配管 Piping- 400,000DB
- 8) 保溫 & 防火 Insulation &
Fire Proofing
- 9) 試運轉 Pre-commissioning

28

FPC AN (Acrylonitrile) Plant 台塑麥寮 丙烯腈廠 (NIIGATA Engineering)

統包工程 Construction Turn-Key Base



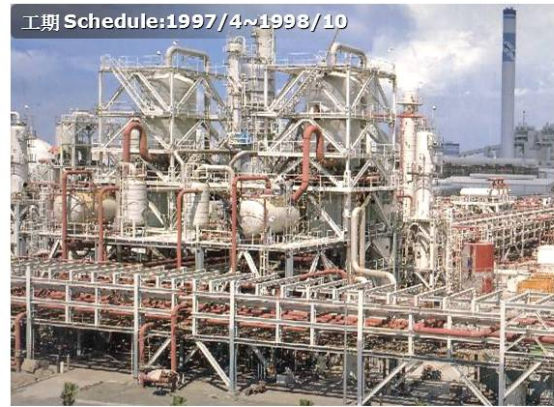
- 1) 產量 Plant Capacity: 200,000 tons /year
- 2) 土木 Civil
- 3) 鋼構 Steel Structure- 4050 Ton
- 4) 桶槽 Tanks- 1050Ton / 21 Sets
- 5) 設備安裝 Equip. Install.- 2200Ton
- 6) 儀電 E & I
- 7) 轉動設備 Rotary equip.- 188 Sets
- 8) 配管 Piping- 350,000DB
- 9) 保溫防火 Insulation & Fire Proofing
- 10) 試運轉 Pre-commissioning

29

FPC-VCM (Vinyl Chloride Monomer) Plant 台塑麥寮 氯乙烯單體廠 (FPC)

統包工程 Turn-Key Basis

工期 Schedule: 1997/4~1998/10



- 產量 Plant Capacity: 200,000 tons /year
- 保溫防火 Insul. & Fire Proofing
- 配管 Piping- 440,000DB
- 儀電 E & I
- 試運轉 Pre-commissioning
- 鋼構 Steel Structure-400Ton
- 設備安裝 Equip. Install.- 6300Ton
- 轉動設備 Rotary Equip.- 322 Sets

30

Nan-Ya INA (Iso-Nonyl Alcohol) Plant 南亞麥寮 異壬醇廠 (ICI/IFP)

統包工程 Construction Turn-Key Base



- 1) 年產量 Plant Capacity: 115,000 MT /year
- 2) 土木 Civil
- 3) 鋼構 Steel structure 5000 MT
- 4) 桶槽 Tanks- 2095 MT
- 5) 設備安裝 Equip. Install. 3471Ton
- 6) 儀電 E & I
- 7) 轉動設備 Rotary Equip. 188 sets
- 8) 配管 Piping- 320,000DB
- 9) 保溫防火 Insulation & Fire Proofing
- 10) 試運轉 Pre-commissioning

31

FLARE 高空燃燒爐 (Callidus)

高度 Height 150mH



承攬範疇 Scope:
細部設計 detail engineering,
製造 fabrication,
現場安裝 site construction
Year 2000

32

FPCC Fired Heaters 台塑石化加熱爐 (Lummus CB&I)



- 1) 設備 Mech Equip -25sets
幫浦 Pump-9 sets
加熱爐 Heater-10sets
- 2) 鋼構 Steel Structure-4000Tons
- 3) 配管 Piping-10,000DB
- 4) 配電 Electrical-40,920M cable
- 5) 儀器 Instrument-3000Loop Test 迴路測試
- 6) 保溫 Insulation-15,052M2
- 7) 現地槽 Field Tank-9Sets

製造&安裝 Fabrication & Construction
(細部設計與拓桑加熱爐公司合作Detail engineering with Tulsa Heater)

33

BP+FCFC HAC (Acetic Acid Plant) 英國BP+台化 醋酸廠 (BP + Linde)



CO AREA



AA AREA

- 1) 產能 Plant Capacity: 300,000 tons/year
- 2) 土木 Civil 127,000m2
- 3) 鋼構 Steel structure-2750 Ton
- 4) 設備安裝 Equip. Install.-2200Ton
- 5) 儀電 E & I
- 6) 轉動設備 Rotary Equip.
- 7) 配管 Piping- 400,000DB
- 8) 保溫&耐火 Insulation & Fire Proofing
- 9) 試運轉 Pre-commissioning

34

SM3 (Styrene Monomer Plant) for FCFC 台化 苯乙烯單體廠 (The Badger Company)



- 1) 產能 Plant Cap-600,000 tons /year
- 2) 土木 Civil-95410M2
- 3) 機械設備 Mech.Equip-2560sets
- 4) 鋼構 Steel structure- 4429Ton
- 5) 配管 Piping- 500,000DB
- 6) 配電 Electrical-324,000M
- 7) 儀器 Instrument-3,000 Loop Test
- 8) 油漆 Painting-46,632M2
- 9) 保溫 Insulation-66,096M2
- 10) 耐火 Fire Proof-24,144M2
- 11) 試運轉 Pre-commissioning



SM AREA



TANK AREA



REACTOR AREA

35

Lube Base Oil for FPCC/CTCI 台塑石化/中鼎 基礎油廠 (Exxon Mobil)



- 1) 產能 Plant Cap-600,000 tons /year
- 2) 土木 Civil-95410 M2
- 3) 機械設備 Mech.Equip-2560sets
- 4) 鋼構 Steel Structure- 4429Ton
- 5) 配管 Piping- 600,000DB
- 6) 配電 Electrical-324,000M
- 7) 儀器 Instrument-3,000 Loop Test
- 8) 油漆 Painting-46,632M2
- 9) 保溫 Insulation-66,096M2
- 10) 耐火 Fire Proof-24,144M2
- 11) 試運轉 Pre-commissioning

36

Epoxy Resin Plant 環氧樹脂廠 (東都化學Tohto Chemical)

工期 Schedule: 2000/11~2002/4

- 1) 產能 Plant Capacity - 160,000 tons /year
- 2) 土木 Civil-18425M²
- 3) 鋼構 Steel structure- 4,800Tons
- 4) 配管 Piping- 110,000DB
- 5) 現地桶槽 Field Tank- 31sets/504Tons



37

PC-I & II & III (Polycarbonate Plant) 聚碳酸酯樹酯廠 (出光Idemitsu)

工期 Schedule: 2000/9~2002/1

- 1) 產能 Plant Capacity - 60,000 tons /year
- 2) 機械設備 Mech. Equip-451sets
幫浦 Pump-77sets
- 3) 鋼構 Steel structure- 3155Ton
- 4) 配管 Piping- 600,000DB
- 5) 現地桶槽 Field Tank - 5sets/181 Tons
- 6) 試運轉 Pre-Commissioning



38

FPCC OL3 plant (Lummus CB & I) 台塑石化 乙烯三廠

產能 Capacity: 1,200,000 MTA



39

FPCC C210-Gasoline Fractionator 1/3 台塑石化 乙烯三廠 C-210汽油分餾塔 (Lummus CB & I)



BLOCK-D ASSEMBLING

BLOCK-D

COMPLETE ASSEMBLING

TOTAL WT. = 1174MT

TOTAL H = 69.45 M

40

OL-3 C220 QUENCH TOWER

台塑石化 乙烯三廠 C-220驟冷塔
(Lummus CB&I)

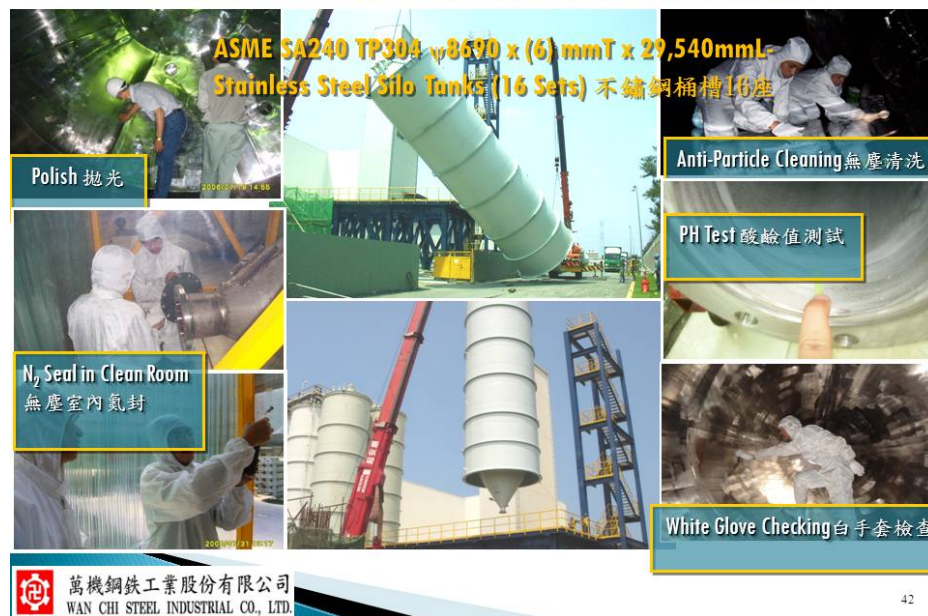
2/3



41

FCFC PC3 (Polycarbonate Plant) Shop Fab. & Site Erection

台化聚碳酸酯廠 廠內製作&現地安裝(出光Idemitsu)



42

FPCC OL3 plant - Cracking Heaters

台塑石化 乙烯三廠 裂解爐工程 (Lummus CB&I)



43

SUS Reactors, Heat Exchangers and Tanks for TSKE, FPC, China



44

Crystallizer for GEA Messo, GmbH 結晶罐製作

Dimension 設備尺寸
8.3MW x 8.62H x 19.3 ML Wt.: 101.5MT
8.3MW x 8.6H x 17.2 ML Wt.: 68MT
7.5MW x 7.8H x 15.2 ML Wt.: 53MT

Mat'l: 材質: 316L



45

Heat Exchanger to SECCO Shang-Hai China/ Chemetics 出口上海SECCO熱交換器/卡麥迪克(BASF)



Φ4.6m x 22ML, Wt. 106MT Delivered in Integral
直徑4.6米 x 長度22米, 設備重量106噸, 整體出貨



106.8 MT (4000 pcs seamless SS tubes
4000支無縫不銹鋼管)

46

Metso: Duplex Reactors 6 sets 美卓紙漿 雙相鋼反應槽 6座

最大設備整體出貨尺寸
Max. Dimension Delivered in an integral
Φ5M x 30.7 ML Wt.: 75MT



Loaded onto the Deck & into the Cabin
吊裝至船艙板及船艙內



Fab. at No. 73 KHH harbor
高雄港73號碼頭工地 製作

47

Adsorbers and Towers to China for Chemical Design Inc. (USA) 美商CDI 化學吸收塔&塔槽 出口四川

1/4



Packing 出貨包裝



Helium Leakage Test 氦氣測漏



Assembling 組立

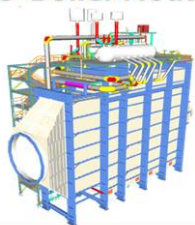


Total 29 sets til 2008 至2008年製作29座
ASME U stamp & SQL
Hydro-Test Witnessed by A.I.
授權檢驗師進行水壓測試檢驗
2007/11/21

48

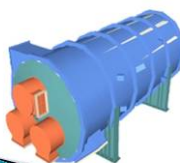
CO-Boiler to PETRONAS Rapid RFCC 出口馬來西亞鍋爐模組

CO-Boiler Module



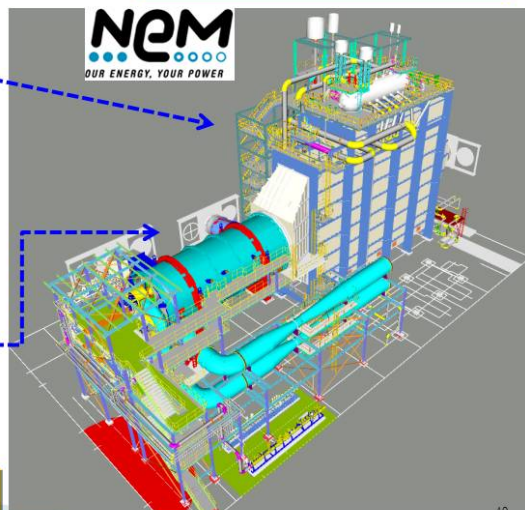
35.8M(L) x 14.6M (W) x 26.7M (H)
Wt.: 1885 MT

CO-Combustor Module



1900mm(L) x 850mm (W) x 820mm (H)
Wt.: 350 MT

Module Wt.: 2235 MT x 2 Trains



49

CO-Boiler to PETRONAS Rapid RFCC 出口馬來西亞鍋爐模組

35.8M(L) x 14.6M (W) x 26.7M (H)
Wt.: 1885 MT

CO-Boiler Module



50

CO-Boiler to PETRONAS Rapid RFCC 出口馬來西亞鍋爐模組

CO-Boiler Module



35.8M(L) x 14.6M (W) x 26.7M (H)
Wt.: 1885 MT

51

CO-Boiler to PETRONAS Rapid RFCC 出口馬來西亞鍋爐模組

CO-Combustor Module



1900mm(L) x 850mm (W) x 820mm (H)
Wt.: 350 MT

52



萬機鋼鐵工業股份有限公司
WAN CHI STEEL INDUSTRIAL CO., LTD.

CO-Incinerator to NSRP PJ, Vietnam

出口越南燃燒爐 - 整體組裝後出貨

20160mm(L) x 12300mm (W) x 12800mm (H)
Wt.: 190 MT



53

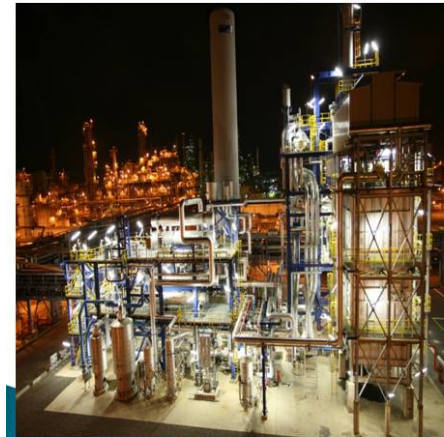


萬機鋼鐵工業股份有限公司
WAN CHI STEEL INDUSTRIAL CO., LTD.

CPDC Hydrogen Plant

小港中石化氫氣廠設備製造及安裝

Client: CPDC & Linde



產能 Plant Cap-25,000 Nm³/h



54



萬機鋼鐵工業股份有限公司
WAN CHI STEEL INDUSTRIAL CO., LTD.

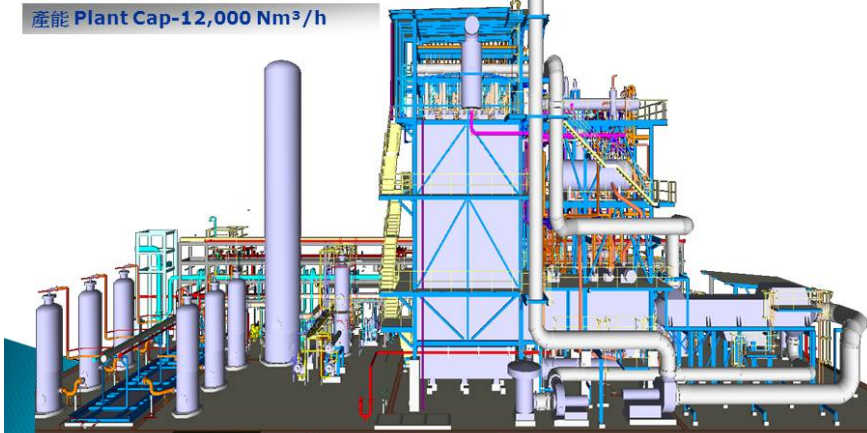
CPDC H2 Plant Taiwan

中石化頭份氫氣廠設備製作及現場統包工程

Client: Mitsubishi Kakoki Kaisha
(MCK)

- Detailed Engineering 細部設計
- Fabrication & Assembly 製作組裝
- Field Construction and Installation 工地建造安裝

產能 Plant Cap-12,000 Nm³/h



55



萬機鋼鐵工業股份有限公司
WAN CHI STEEL INDUSTRIAL CO., LTD.

Tung Ho Steel - Oxygen Plant

東和鋼鐵 - 氧氣廠設備製造及工地建造

Client: Air Water Plant and Engineering
(AWP)

- Partial Detailed Engineering 部分細部設計
- Fabrication & Assembly 製作與組裝
- Field Construction and Installation 工地建造安裝

產能 Plant Cap-25,000 Nm³/h



56

Supply for AUO- Air Separation Unit/Air Liquide 友達 空氣分離廠/法商亞東氣體

2/4

萬機鋼鐵工業股份有限公司
WAN CHI STEEL INDUSTRIAL CO., LTD.

2500 M³ LIN TANK Supply & Site Construction

中科亞東液態氮儲槽製作及現場安裝建造

Client: Cryospain

Dimension 尺寸: Ø18,000mm x 18,972mmH
Outer Wall: A36; Inner Wall: A240-304
Design temp.: 50 to -196 deg C

產能 Plant Cap-51,000 Nm³/h
Total Combustible Nitrogen (TCN)

Also supply for Dairen Chemical- Air
Separation Unit/Air Liquide KK
Molecular Sieves Towers 分子篩塔槽
Water Wash Tower 水洗塔
Water Chiller Tower 冷卻塔
Total 4 sets 共四組



2006/10/11

萬機鋼鐵工業股份有限公司
WAN CHI STEEL INDUSTRIAL CO., LTD.

57



58

萬機鋼鐵工業股份有限公司
WAN CHI STEEL INDUSTRIAL CO., LTD.

Skids for Air Separation & H₂ Plant 氣體廠模組製作

Client: Linde, Hydro Chem

萬機鋼鐵工業股份有限公司
WAN CHI STEEL INDUSTRIAL CO., LTD.

Skids supply for Taiwan and China 大陸與台灣氣體廠模組製作

Client: UOP K.K.



59



60

Client: Hydro Chem
(Linde Group)

Skids to Peru, Praxair Trial Assembly at Shop

出口秘魯模組製作 - 廠內假組立

- Trial assembly of 13 sets of skids
Max. size: 3.5 m x 8 m x 13 m
- Total Supply: 17 Skids (Multiple layers)



- 1) 鋼構 & 平台 Structures & Platf.: 217,042kg
- 2) 配管預製 Piping: CS: 23,370DB SS: 6,000DB
- 3) 管支撐 Pipe support 3,500kg (CS+SS)
- 4) 設備安裝 Equip. install 靜態Static Equip.: 61,800kg 轉動Rotary Equip.: 5,300kg
- 5) 退火PWHT: 3000DB
- 6) 管線試壓 Pressure Testing
- 7) 儀電 E&I
- 8) 假組 Trial Assembly
- 9) 保溫 Insulation
- 10) 包裝 Packing

61

Client: Hydro Chem
(Linde Group)

Skids Trial Assembly at Shop

模組製作 - 廠內假組立



62

Skids Trial Assembly at Shop

模組製作 - 廠內假組立

Skids Trial - assembly for Field Connections



63

Client: Linde

Equipment for Air Separation Plant

氣體廠設備製作 (出口&台灣)



Molecular Sieve Adsorber



Air Cooler



Molecular Sieve Adsorber



Water Separator

64

Equipment for Gas Plant 氣體廠設備製作 (出口&台灣)



Client: Air Water Plant and Engineering (AWP)



Ship Unloader and Conveying System 台中港台肥卸船機組及進出倉輸送設備設計及建造工程

Client: Taiwan Fertilizer Company 台灣肥料

- EPC basis (Unloader by FLSmidth)
- Unloader Capacity- 500MT/per hour (for Urea, Phosphate & Postassium)



66

•工程類 Construction :

Power Plant 電 廠

Thermal Power Plant 火力發電 (supercritical & conventional) -Fab.& Erect. For (1) TPC Supercritical 800MW Linkou & Talin (Boiler ,Turbine Building & Condenser 鍋爐及汽機房 (2) BOP Plant (including AQC-FGD .etc.) 其他設備製造&安裝 (Linkou,Talin, HsinTa, Taichung,HoPing)

IPP (Combined cycle) 複循環機組-Fab.& Erect. for (1) Fong Der 490 MW -Toshiba Group (HRSG ,Turbine Building & Condenser (2)TPC MHPS Tung Hsiao (900MW x3 Units)- CW piping 317L (3) Japan IPP -Toshiba- Circulation Water Pipes

TPC No.4 Nuclear Power Plant 台電核四
a. No. 1,2 Turbine Building 汽機島區廠房鋼構
b. Multi Nozzle 巨型取排水頭
c. Stainless Steel Tank 不鏽鋼桶槽

a. Wind Turbine 風力發電 -Onshore (Enercon) & offshore (Formosa Wind Power Project-Weather Station Tower Photos)

67

Onshore Wind Turbine 陸上風力塔柱 Size Ø3300 * Ø1332 * 53,950mm L x 12 mm ~ 24 mm thk



Mat'l: ASTM A709 Gr.50

Client 客戶 : Enercon



68

上緯_海上氣象觀測台基樁
Foundation Pile for SWANCOR Weathering Station
1800 mm OD x 25mmt x 60,000 mmL x 4PCS

Grade: API 5L X65



69

TPC Linkou Coal Fire PP
800 MW x 3 Boiler Erection
(pressure parts)
台電林口火力發電廠 - 鍋爐壓力件安裝

Client 客戶: CTCI 中鼎



70

TPC Linkou Coal Fire PP
800 MW x 3 Boiler & Duct Erection
台電林口火力發電廠 -



71

TPC Linkou Coal Fire PP 台電林口火力發電廠
800 MW x 3 Units
Economizer Hopper Installation

Client 客戶: CTCI 中鼎



72

TPC Linkou Coal Fire PP台電林口火力發電廠
800 MW x 3 Units
Top Girder Installation

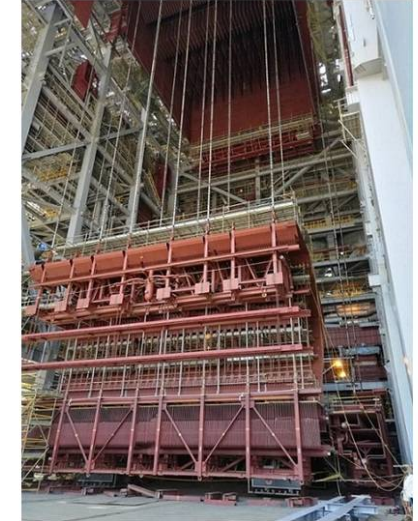
Client 客戶: CTCI 中鼎



73

TPC Linkou Coal Fire PP台電林口火力發電廠
800 MW x 3 Units
Nose Block Installation

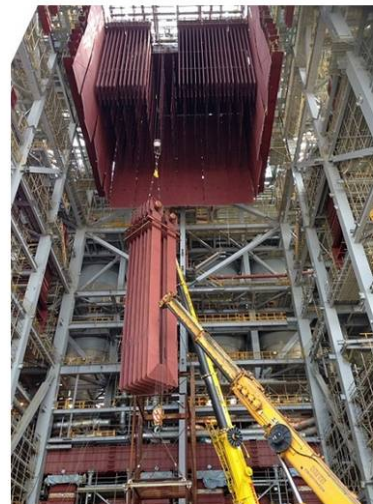
Client 客戶: CTCI 中鼎



74

TPC Linkou Coal Fire PP台電林口火力發電廠
800 MW x 3 Units
3 Tertiary Super Heater Installation

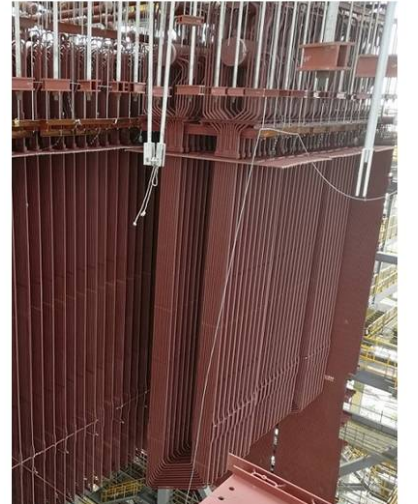
Client 客戶: CTCI 中鼎



75

TPC Linkou Coal Fire PP台電林口火力發電廠
800 MW x 3 Units
2 Primary Re Heater Installation

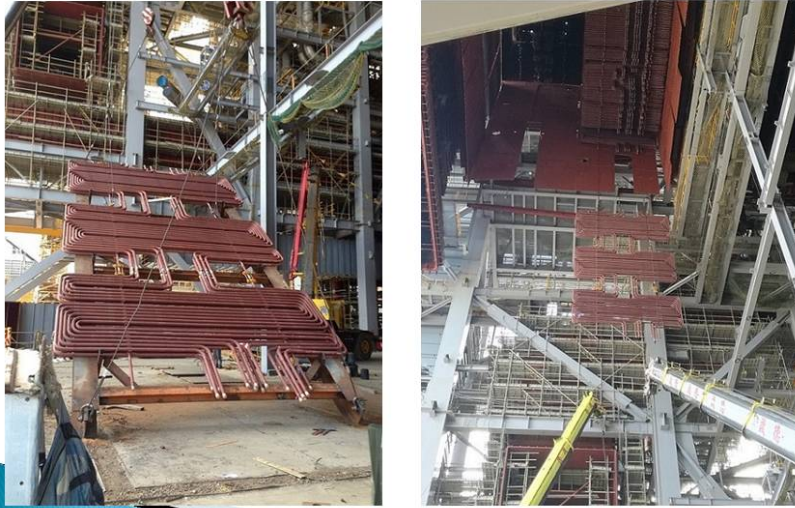
Client 客戶: CTCI 中鼎



76

**TPC Linkou Coal Fire PP台電林口火力發電廠
800 MW x 3 Units
1 Primary Re heater tube Installation**

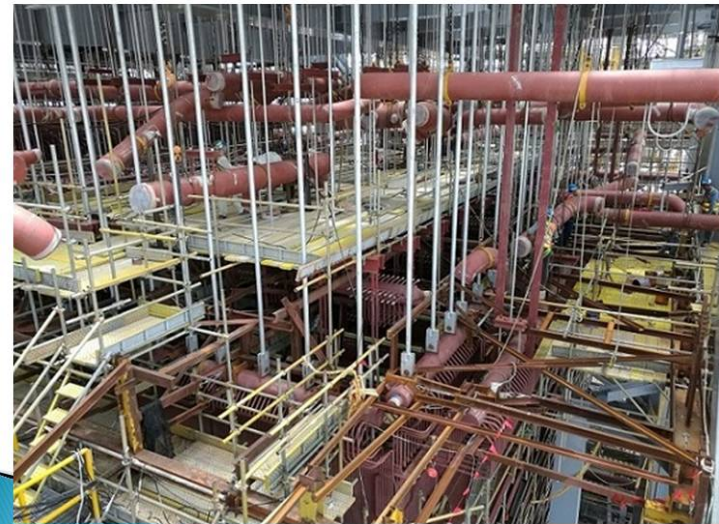
Client 客戶: CTCI 中鼎



77

**TPC Linkou Coal Fire PP台電林口火力發電廠
800 MW x 3 Units
Adjustment and installation of Piping**

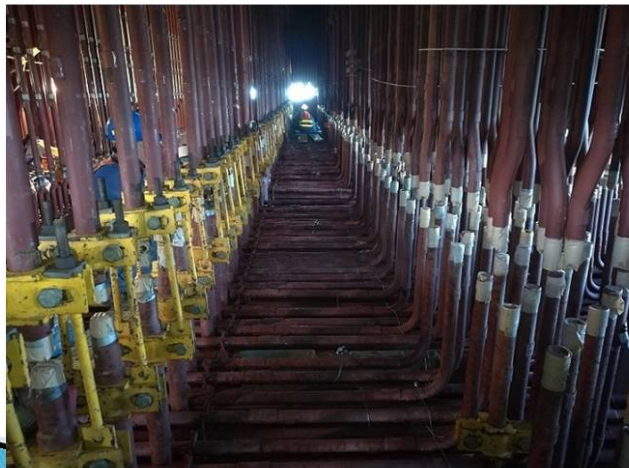
Client 客戶: CTCI 中鼎



78

**TPC Linkou Coal Fire PP台電林口火力發電廠
800 MW x 3 Units
Welding and installation of tube**

Client 客戶: CTCI 中鼎



79

**TPC Linkou Coal Fire PP台電林口火力發電廠
800 MW x 3 Units
Boiler erection (Pressure parts)**

Client 客戶: CTCI 中鼎



80

TPC Linkou 台電林口火力發電廠
800 MW x 3 Units

Detailed Design and Supply for Tanks,
Supply Injection Grid and Piping for Turbine & Boiler



Client: MHPS



81

TPC Linkou 台電林口火力發電廠
800 MW x 3 Units
Supply Tanks and Piping



Client: ORGANO / MHPS



82

TPC Linkou 台電林口電廠
800MW x 3 Units SWFGD Installation

Client 客戶: CTCI 中鼎



TPC Linkou 台電林口電廠
800MW x 3 Units SWFGD Installation

Client 客戶: CTCI 中鼎

Duct Fabrication
Client: Alstom (GE)
Mat'l: External-A36, Internal-C276
Total weight for Linkou: 1,282 tons
Total weight for Talin: 670 tons



84

TPC Linkou PP + Talin Power PP
台電林口 + 大林火力發電廠
Sea Water Distributor

Client: Alstom (GE)

Mat'l 材質: Hastelloy C276



85

TPC Talin Coal Fire Power Plant
台電大林火力發電廠
800 MW X 2 Units
Turbine Building, Boiler Parts & SWFGD



86

TPC Talin 台電大林電廠
800 MW X 2 SWFGD Erection Work



Client 客戶: CTCL 中鼎

87

TPC Talin Coal Fire Power Plant
台電大林火力發電廠
800 MW X 2 Units SWFGD



88

TPC Talin 800 MW X 2 Units 台電大林電廠

Turbine Building



Piping Installation

Client: Sumitomo (Toshiba)



Turbine Building

Main steam piping



89

TPC Talin 800 MW x 2 Unit 台電大林電廠 Condenser Erection

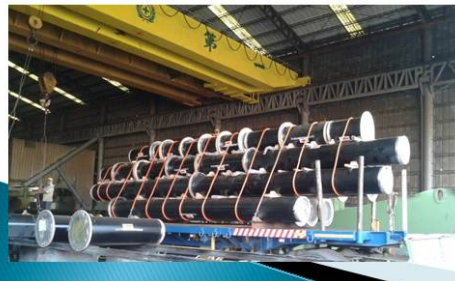
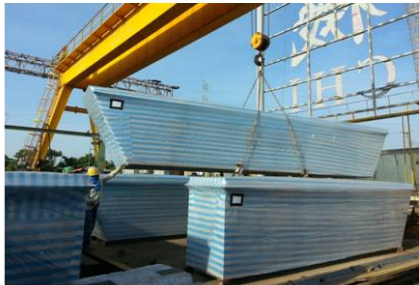
Client: Sumitomo (Toshiba)



90

TPC Talin 台電大林電廠 800MW x 2 Units Chute & Coal Pipe & Misc. Pipe

Client: IHI



91

TPC Talin 台電大林電廠 800MW x 2 Units Coal bunkers and Tanks

Client: IHI



92

TPC Tung Hsiao Combined Cycle Power Plant 900MW x 3 Units
HRSG Installation including Stack and Pressure parts
 台電通霄電廠複循環機組 - HRSG安裝



Client 客戶: CTCL 中鼎



萬機鋼鐵工業股份有限公司
 WAN CHI STEEL INDUSTRIAL CO., LTD.

93

萬機鋼鐵工業股份有限公司
 WAN CHI STEEL INDUSTRIAL CO., LTD.

Tung Hsiao Combined Cycle Power Plant
900MW x 3 Units HRSG Installation
 台電通霄電廠複循環機組 -



Stack and pressure test
 of internal pressure part



94

TPC Tung Hsiao Combined Cycle Power Plant
900MW x 3 Units
Circulation Water Piping
 台電通霄電廠複循環機組 - 循環水管



MacI材質: 317L

萬機鋼鐵工業股份有限公司
 WAN CHI STEEL INDUSTRIAL CO., LTD.

95

TPC Tung Hsiao Combined Cycle Power Plant
900MW x 3 Units
Circulation Water Piping

Client: MHPS

台電通霄電廠複循環機組 - 循環水管



PE Coating
 PE融覆

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 WAN CHI STEEL INDUSTRIAL CO., LTD.

96



萬機鋼鐵工業股份有限公司
WAN CHI STEEL INDUSTRIAL CO., LTD.

TPC Hsin Ta & Nanpu Power Station Filter House Supply and Install

台電興達及南部火力發電廠 - 汽渦輪機空濾房拆裝工程



萬機鋼鐵工業股份有限公司
WAN CHI STEEL INDUSTRIAL CO., LTD.

C Hsin Ta & Nanpu Power Station Filter House Supply and Install

台電興達及南部火力發電廠 - 汽渦輪機空濾房拆裝工程



萬機鋼鐵工業股份有限公司
WAN CHI STEEL INDUSTRIAL CO., LTD.

TPC Tai-Chung Power Plant 台電 台中電廠

Fab. & Construction No.1~No.4 Chimney/Stack

壹號至四號煙囪 製作&現場施工

C276 Nickel material lining

C276鎳 金屬內襯

Wall Papering

Grind the Internal Surface/Welding Seam to very smooth
Enabling the Perfect Attachment of Nickel Lining

內部表面/焊道磨至非常平滑 使鎳金屬內襯緊密貼合

250mH Wall Papering Completed within 45 days
250米高煙囪 鎳金屬內襯 45天內施工完成



萬機鋼鐵工業股份有限公司
WAN CHI STEEL INDUSTRIAL CO., LTD.

Hsin-Da Power Plant 興達電廠

Unit 1 & 2 by EPC-GE. 一、二號機組 美商奇異統包
Unit 3 & 4 by IHI 三、四號機組 日商石川島



FGD No.1 & 2 Unit/Fab. & Erect. 550MW x 2 sets
壹、貳號機排煙脫硫設備 製造&安裝

EP/Fab.& Erect. For No.3 & 4 Units
三、四號靜電集塵器 製造&安裝

Ho-Ping Power Plant 和平電廠

EPC contractor-Alstom 英商亞士通 統包

FGD Installation
排煙脫硫設備安裝

660 MW x 2 Units



10
1

Taichung Power Plant 台中電廠

Unit 9,10 Flue Gas Desulfurization
(550MW x 2units) – Installation including E&I
9.10號機 排煙脫硫設備 安裝工程(含儀電)



EPC-IHI 日商石川島 統包工程

10
2

Fong Der Combined Cycle Power Plant /Toshiba 豐德複循環電廠

EPC-Toshiba 東芝統包

Sun Ba Energy Power Corporation
森霸電力(股)公司
Fong Der Combined Cycle Power Plant (490MWx2 units)
豐德複循環燃氣電廠(單機490兆瓦 x 2部機)

Mechanical Erection Works
(for 4 Sets of Heat Recovery Steam Generator (HRSG)
and Auxiliary Equipment Portion)
機械設備安裝工程(四座廢熱回收鍋爐及其附屬設備部分)



10
3

Kuo-Kung Power Plant 國光電廠

Main Contractor-
Siemens 主約-德商西門子

ACC (Air Cooling Condenser) Fab. & Install.
氣冷式冷凝器 預製&安裝(for GEA)



10
4

台電大潭電廠 Circulation Seawater Pump

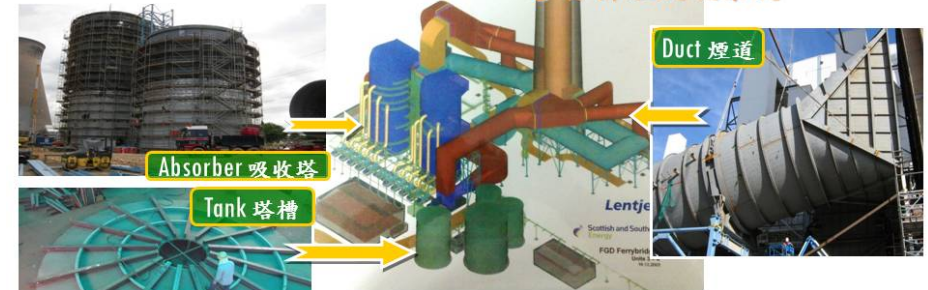


Φ2200 x 15ML
Stainless steel 316L



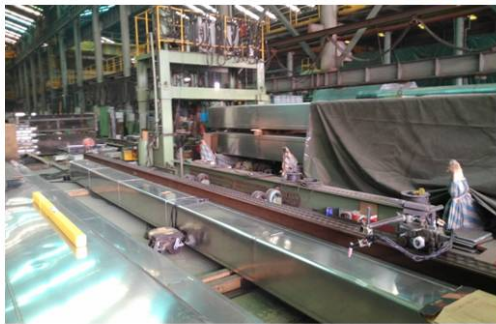
5

FGD Sys. to UK SSE/ Lentjes GmbH 藍傑士 出口英國SSE 電廠 排煙脫硫系統



Lentjes (U.K.) GmbH	Fab. Wt. (MT) 製造重量	Delivery Period 工期	DDU to 出貨工地
Absorber 吸收塔	649	2006/10/26 ~ 2007/2/1	Ferrybridge C Power Station Knaresborough UK
Duct 煙道	2,166	2006/11/30 ~ 2007/5/30	
Tank 塔槽	573	2007/4/3 ~ 2007/5/30	
Auxiliary Gypsum Silo 附屬石膏儲槽	278	2008/1/31 ~ 2008/2/29	Fiddler's Ferry Cheshire, UK
	278	2008/1/31 ~ 2008/2/29	

SWFGD to Middle East Wall Papering Boxes



Client: Alstom
(GE Power)



10
7

Toshiba/Steel Pipes for Power Plant (Japan) 東芝/出口日本電廠鋼管



OSAKA GAS SENBOKU Power Plant &
KANSAI Maizuru Power Plant 使用者: 日本
大阪瓦斯電力 京北電廠 & 關西電力 舞鶴電廠



Total: 550 MT
/I plant

10
8

Deaerator for Summit Sakata Power Corp. (Japan)

出口日本電廠脫氣器



Client: SEO Koatsu Kogyo
瀬尾

Upper: 4300mm(L) x 2820mm (W) x 2750mm (H)
Wt.: 6,400 kg

Lower: 10,000mm(L) x 2800mm (W) x 3400mm (H)
Wt.: 13,700kg



Fab. Comply with:
Japan Electricity
Business Act

本案依日本電氣事業法製作

10
9

TPC No.4 Nuclear Power Plant No.1 &2 Turbine Building (1350 MW x 2 units) 台電核四 新亞汽機島區廠房鋼構 (1.35億瓦 x 2部機)



面積 Area: 120m x 70m x 66.5MH x 2 units
鋼構工程 - 材料、預製、安裝
Material, Fab. & Erect. work of Steel Structure
總計 Total: 26000 tons



11
0



Preparation before
loading on Dolly
準備裝載至拖車上



Loaded on Dolly 裝載至拖車上



Moving 搬運中

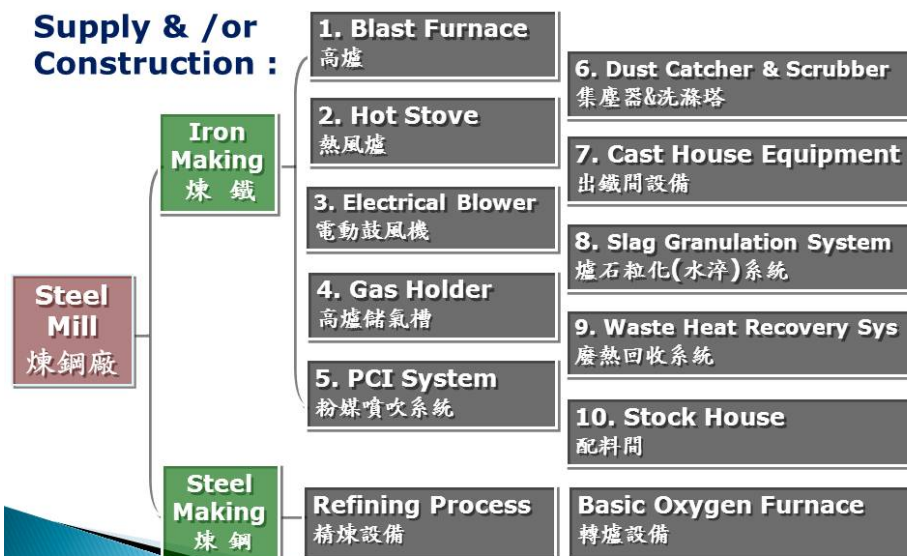
No.1 &2 Multi-nozzle for TPC No.4 Nuclear Power Plant 台電核四 (鹿島/大豐/榮工 JV) 取 排水頭 (450MT x 2sets)



Lifting by 1500 MT Crane Equipped at the Shipping Vessel
at Kaohsiung No.74 Wharf
使用1500噸天車吊裝至船上,高雄74號碼頭

11
1

Supply & /or Construction :



112

CSC Phase 4 -Hot Stove Unit

中鋼四階熱風爐 (Siemens)

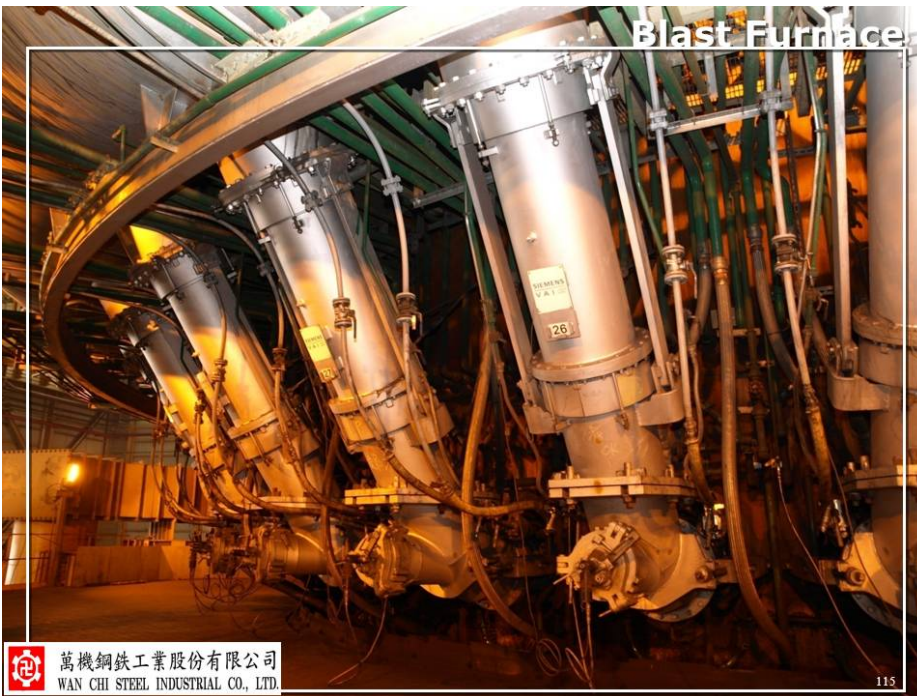
萬機鋼鐵工業股份有限公司¹³
WAN CHI STEEL INDUSTRIAL CO., LTD.



萬機鋼鐵工業股份有限公司
WAN CHI STEEL INDUSTRIAL CO., LTD.

Iron Making

DSC No.1 BF/2,500,000MTA
(3274M3)

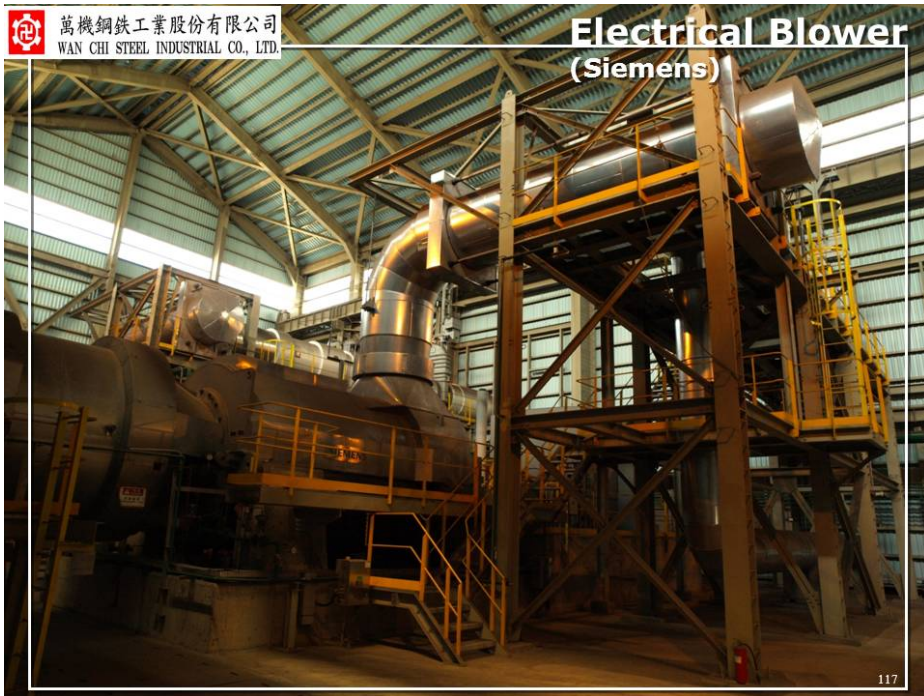


萬機鋼鐵工業股份有限公司
WAN CHI STEEL INDUSTRIAL CO., LTD.

Hot Stove



Electrical Blower (Siemens)



117

Gas Holder (100,000M3)



118

PCI System



119

Waste Heat Recovery Sys.



120



VIZAG & BHUSAN Hot Stoves – BF with Internal Combustion Chamber TYPE I 印度VIZAG & BHUSAN鋼廠熱風爐 內燃室設計TYPE I



SAAB & VSB Hot Stoves – BF with Internal Combustion Chamber Type II SAAB & VSB熱風爐 內燃室設計二



2 Stove Domes for Severstal Steel Mill

出口美國密西根 熱風爐穹頂兩座

DDU term to Michigan, USA



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125

Raw Coal Hopper & Pulverized Coal Silo / KONIAMBO 2/2

出口煤料斗 & 煤粉倉



Customer: Küttner 業主: 宜諾

Assembling at No.74 Harbor in Kaohsiung Port
高雄港 74號碼頭租賃工地組裝設備



煤料斗 Raw Coal Hopper :144MT & 163MT
煤粉倉 Pulverized Coal Silo :182MT

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126

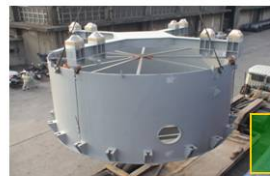
萬機鋼鐵工業股份有限公司
WAN CHI STEEL INDUSTRIAL CO., LTD.

Paul Wurth Gas Cleaning System

出口日本淨氣系統設備 (保沃思集團)



Scrubber & Demister Ring Loaded into the Cabin
環狀分段之洗滌塔及除霧器裝於散裝船艙



Export to
Wakayama, Japan
出口至日本 和歌山

For NSSMC No.1+2 BF
新日鐵住金高爐淨氣系統



127

萬機鋼鐵工業股份有限公司
WAN CHI STEEL INDUSTRIAL CO., LTD.

Waste Heat Boiler for Oxygen Converter Gas Recovery System, Japan

出口日本鋼廠廢熱鍋爐

Customer: JFE



Partial Detailed Engineering
部分細部設計
Fabrication 製作

128



萬機鋼鐵工業股份有限公司
WAN CHI STEEL INDUSTRIAL CO., LTD.

Partial Detailed Engineering
部分細部設計
Fabrication 製作



Customer:
PWIHI/NSSMC
保沃斯/新日鐵住金



PC Storage Bin & Conveying Hopper for NSSMC 1BF & 3BF, Japan 出口日本鋼廠儲料桶與輸送漏斗



129



萬機鋼鐵工業股份有限公司
WAN CHI STEEL INDUSTRIAL CO., LTD.

Bell Less Top Hoppers for Arcelormittal in South Africa Newcastle BF 5 出口南非鋼廠入料桶

Customer: PWTW 保沃斯



Internal
Wearing
Plates



130



萬機鋼鐵工業股份有限公司
WAN CHI STEEL INDUSTRIAL CO., LTD.

Ladles for JFE (KSC) JAPAN 出口 2/3 日本KSC(JFE)盛鋼桶

Ladle loaded on trayor in shop
盛鋼桶裝載於場內臺車



131



萬機鋼鐵工業股份有限公司
WAN CHI STEEL INDUSTRIAL CO., LTD.

Basic Oxygen Furnace 轉爐設備



Cooling Stack for Walsin-Lihwa
華新麗華水冷煙道



Skirt Hood for CSC, Taiwan
中鋼 轉爐罩



Converter in Wan Chi's shop, machined
轉爐於萬機場內機械加工



CSC & Walsin-Lihwa Converter
中鋼及華新麗華轉爐

132

工程類 Construction :

Environment Plant/Env. Protect Equip. 環境廠/環保設備

Incineration Plant (EP)

焚化爐實績列表 (靜電集塵器)

Water Plant

水處理廠

RO Skid, Tank, Piping (PTFE Lining)

逆滲透模組, 桶槽, 配管

Bag House

袋式集塵器

Bag House Fab.

袋式集塵器製作工程

Other Equip.

其他設備

Boiler Panel, Steam Drum,

Stoker, Electrostatic Precipitator

鍋爐板, 汽鼓, 添煤機, 靜電集塵器

133

INCINERATION PLANT 焚化爐



樹林 Shulin

450 MT/day x
3sets

機械建造 Mechanical erection 4200
MT

配管 Piping 120,000DB

製造 Fabrication 2200 MT

北投 PeiTo

450 MT/day x
4sets

機械建造 Mechanical erection 5080
MT

配管 Piping 150,000DB

製造 Fabrication 1100 MT

后里 Houli

450 MT/day x
2sets

機械建造 Mechanical erection 3000
MT

製造 Fabrication 1100 MT

溪州
Hsichou

450 MT/day x
2sets

機械建造 Mechanical erection 3000
MT

配管 Piping 60,000DB

134

Fengshan Creek Renewable Water Plant RO Skids Total 12 Sets

鳳山溪再生水廠12套逆滲透機組統包工程



- Steel structural design 機架設計 & 技師簽認 (Mat'l 材質:SS400)
- Detailed design for piping (based on P&ID) 依P&ID做配管細部設計
- Fab. & Assembly 模組製作組裝
- Field Installation 現場安裝



RO Pressure Vessel
RO 膜殼



135

Fabrication of CSC Bag House House 中鋼袋式集塵器製作工程



COPY RIGHT CSC

136

Other Environment Plant/Env. Protect Equip. 其他環境廠/環保設備

Boiler Panel 鍋爐板



Stoker 添煤機

Steam drum installation
汽鼓安裝



AIR COOLER 氣冷設備



STEAM TURBINE 蒸汽渦輪

137

工程類 Construction :

Architectural Structure/Truss 景觀結構/空間桁架

1. Taipei dome, Taipei Super Apartment and Taipei 101 Financial Center Decorative Members on Podium

2. THSR Hsin-Chu Station 台灣高鐵新竹車站

3. Taiwan Railway Tsu-Yi Station 台鐵左營站

4. Gushan Dist bridge 鼓山跨海橋鋼管供應

5. Wu-Gu Commercial Exhibition Building 五股工商展示大樓

6. Curtain Wall Construction – LCD Plant of Quanta Display INC.
廣輝電子薄膜液晶螢幕廠-帷幕工程

Bridge 橋 樑

No.10 Freeway Kaohsiung Intersection (Box Girder)
高雄國道十號覆鼎金交流道 (箱樑結構)

Cable-Stayed Bridge, Gaoping River
高屏溪斜張橋

138

Steel Pipe Piling 鋼管樁

174

FPC Mai-Liao
台塑石化 麥寮 鋼管樁



Pipe Piles/ Muhibbah, Malaysia for Yemen LNG Project
Mat'l: A841 Gr.B CL.2 Max. THK: 77mm Fab.: 4800 MT
鋼管樁/碼頭/出口馬來西亞Muhibbah 葉門天然氣管線專案
材質: A841 Gr.B CL.2 最大厚度:77mm 製造:4800公噸

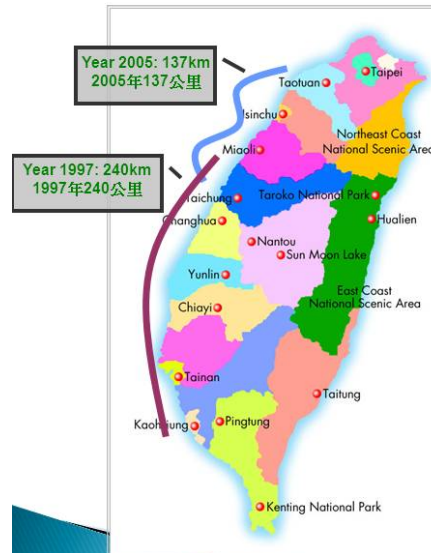
TPC- Hsin Da Power Plant (Taisel Corp.)
Coal Unloading Terminal & Jetty Const.
Fab.: 25,301 MT Steel Pipe Piles
臺電 興達電廠(華大成)
外海卸煤碼頭及連絡棧橋新建工程
鋼管樁製作: 25,301公噸(離岸2.5公里)



139

Chinese Petroleum Corp. API 5L X65 offshore pipeline 中油 API 5L X65 沿岸天然氣管線

2/4



36" x 137KM/47,278MT



36" x 240KM/84,386MT



140

Circulation Cooling Water Discharge Tunnel Project for No.4 Nuclear Power Plant No.4-Steel Pipe 台電核四循環冷卻出水道工程 排水頭管幕

3/4



141

材質 A572 Gr.50

Tata(Corus) Steel Pipes Export to Dubai, UAE康力斯 出口杜拜鋼管

4/4



142

BES/ 中華工程/長重/陶朱隱園

Apprx. 2000 MT
(600 mm OD x 58 mm thk,
Mat'l: SM570)



143

Decorative Members on Podium for 101 Taipei Financial Center 台北101裙樓造型鋼構



144

High Speed Railway / S220 Hsin-Chu Station 台灣高鐵新竹車站



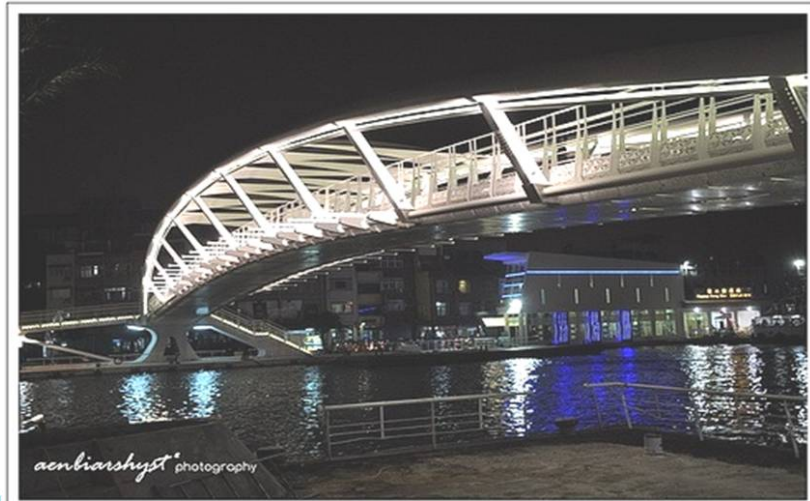
145

Taiwan Railway Tsuo-Yi Station / Kaohsiung area 台鐵左營站



146

Gushan Dist bridge 鼓山跨海橋彎管



147

Wu-Gu Commercial Exhibition Building 五股工商展示大樓

鋼構 steel structure 800 tons

PVC 薄膜 PVC Membrane 1560m²

桁架 Truss 671 Ton

鋁天花板 Aluminum ceiling 5236m²

Mental ceiling 10472m²

S.S.G.S canopy 300m²



148

Curtain Wall Construction Thin Film Transistor Liquid Crystal Display plant of Quanta Display INC 廣輝電子薄膜液晶螢幕廠-帷幕工程



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149

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No.10 Freeway-Kaohsiung Interchange 高雄國道十號覆鼎金交流道

Material, fabrication & Erection for Box Girder
箱樑鋼構之材料, 製造, 安裝



150

萬機鋼鐵工業股份有限公司
WAN CHI STEEL INDUSTRIAL CO., LTD.

Mechanical
Device Design,
Fab. & Install.
機械設備設計製造

Taiwan High Speed Railway - Gantry Crane 台灣高鐵門型天車

Moving Scaffolding System (MSS)

- 南二高 MSS 橋樑 C385
- 彰化外環道支撐先進車製作
- 高鐵移動模架系統 THSR C295 MSS

Hydraulic Press & Spinner 油壓成型機&端板成型機

萬機鋼鐵工業股份有限公司
WAN CHI STEEL INDUSTRIAL CO., LTD.

THSR-Gantry Crane 台灣高鐵門型天車

C270-4 sets

C260-2 sets



1. Loading Capacity: 440 tons/set 操作重量:440噸
2. Combine 2 cranes – loading up to 880 MT



151

152

Hydraulic Press & Spinner 油壓成型機 & 端板成型機



Design, Fabrication & Installation for the whole equipment
整套設備之材料, 製造, 安裝



153



Thank you very much.
非常謝謝您

Construction List
工程類列表

Product
產品列表

Q.A. License
品質證照

Export Equipm.
出口實績

Specified Project
特殊專題

154