



**PT. HANAZONO Engineering Indonesia**  
**Engineering, Procurement & Construction**

# COMPANY PROFILE



*let's partner with us*

# COMPANY PROFILE

---

## INTRODUCTION

PT. HANAZONO Engineering Indonesia, a private own Indonesian and foreign capital (PMA) company was established with the purpose of spreading plant equipment & engineering services.

We have Experienced many kind of plant equipment and pre-fabricated materials which fabricated in Indonesia, South Korea & Japan covering all customer requirements

Especially the skilled design engineering and project management has been requested to avoid the delay schedule, miss-fabrication and poor quality through project

Therefore, we will effort and solve with full use of our accumulated engineering technology and experience to all customer to make sure quality as per client specification and requirement.

## Vision

To become high quality plant equipment engineering company to promote development industry in Indonesia

## Mission

To provide competitive and high quality plant equipment and materials for domestic customer and international customer

## History

Operated as PT. Inti Pasti Exakta from September 1997

Established as PT. Hanazono Engineering Indonesia (PMA) from June 19 2003

Established Factory in Bojonegara Serang from July 10 2017



# COMPANY PROFILE

---

## OUTLINE OF BUSSINESS

We are doing engineering service such as design, material procurement and fabricated in our Workshop

### Plant & Equipment Material Supply

- Pressure Vessel (Column, Drum & Heat Exchanger) ASME Sect VIII Div. 1 / AS1210
- Filter & Snubber
- Special Equipment (Hopper Dryer, Priling Tower and Reactor)
- Platform & Ladder for Equipment
- Fired Heater
- Chimney & Boiler Stack / STS-1 CODE
- Suction Pot & Head Plate
- RFCC Flue Gas Line & Duct with Refractory / ASME SECT VIII DIV.1 & B31.3

### Process System and Package Equipment

- Desalter Package
- MEG Regeneration Package
- TEG Dehydration System

### E/P/C Contract

- WWT & PWT Facility
- Storage Tank

# COMPANY PROFILE

---

## COMPUTER & SOFTWARE

### (1) CALCULATION PROGRAM

COADE " COMPRESS" (USA)

MECHANICAL DESIGN (ASME Sect.VIII Div-1)

EXTERNAL LOAD CAL.(UBC/ASCE/UBC/NBC)

WRC 107

ZICK ANALYSIS

LIFTING LUG/ HALF PIPE JAKET/EXPANSION JOINT etc.

TEMA TUBESHEET/ FLOATING HEADS

STACK DESIGN BASED UPON STS-1

INCLUDING VORTEX SHEDDING DEVICES

- HELICAL STRIKE
- DAMPERING PAD
- TUNED MASS DAMPER (TMD)

INCLUDING LIFTING DEVICES (TRUNNION, LUG)

## Document

Quality Manual

Fabrication Sequence

Expediting Check List / Puch List

Fabrication Procedure

**PT. HANAZONO** Engineering Indonesia

*We are always partner with you*

# COMPANY PROFILE

---

## MAJOR CLIENTS

- ASAHIMAS CHEMICAL, PT. (INDONESIA)
- CENTRAL FILTER MFG. CO., LTD. (JAPAN)
- FUJI FILTER MFG. CO., LTD. (JAPAN)
- HYUNDAI ENGINEERING CO.,LTD (KOREA)
- IHI CORPORATION (JAPAN)
- IMSTALCON (KAZAKHSTAN)
- JGC CORPORATION (JAPAN)
- JGC INDONESIA, PT. (INDONESIA)
- IKPT, PT. (INDONESIA)
- JNK HEATERS CO. LTD (KOREA)
- KANEMATSU CORPORATION (JAPAN)
- LAUTAN OTSUKA CHEMICAL, PT. (INDONESIA)
- MORITANI CO., LTD (JAPAN)
- MITSUBISHI HITACHI POWER PLANT ENGINEERING (JAPAN)
- MITSUBISHI CHEMICAL INDONESIA, PT. (INDONESIA)
- MITSUI CHEMICAL ENGINEERING CO., LTD. (JAPAN)
- MITSUI ENGINEERING & SHIPBUILD CO., LTD. (JAPAN)
- NATCO JAPAN CO., LTD. (JAPAN)
- NIHON FURNACE CO., LTD. (JAPAN)
- NIPPON SHOKUBAI INDONESIA, PT. (INDONESIA)
- NINAO CORPORATION (JAPAN)
- NIKKISO CO., LTD (JAPAN)
- NIKKISO CRYO INC. (USA)
- ORGANO ASIA SDN. BHD (MALAYSIA)
- REKAYASA INDUSTRI, PT. (INDONESIA)
- SATAKE CHEMICAL EQUIPMENT MFG., LTD. (JAPAN)
- SK ENGINEERING & CONSTRUCTION CO., LTD (KOREA)
- TECHNIP (FRANCE)
- TOSHIBA CORPORATION (JAPAN)
- TOYO KANETSU K.K. (JAPAN)
- TOYO ENGINEERING CORPORATION (JAPAN)
- TSUKISHIMA KIKAI CO., LTD (JAPAN)
- TUBAN LPG INDONESIA, PT. (INDONESIA)
- PT. CHANDRA ASRI PACIFIC (INDONESIA)
- VALMET (FINLAND)

# ISO CERTIFICATION



  
**PEMERINTAH REPUBLIK INDONESIA**

**NOMOR INDUK BERUSAHA (NIB)**  
**9120007330125**

Pemerintah Republik Indonesia c.q. Lembaga Pengelola dan Penyelenggara OSS berdasarkan ketentuan Pasal 24 ayat (1) Peraturan Pemerintah Nomor 24 Tahun 2018 tentang Pelayanan Perizinan Berusaha Terintegrasi Secara Elektronik, menerbitkan NIB kepada:

Nama Perusahaan : PT HANAZONO ENGINEERING INDONESIA  
Alamat Perusahaan : Jl Raya Bojonegara-Serdang No. 44, Kel. Kertasana, Kec. Bojonegara, Kab. Serang, Prop. Banten  
NPWP : 02.194.074.7-059.000  
Nomor Telepon : 0254-7850344-47  
Nomor Fax : 0254-7850347  
Email : pranata@hanazono.co.id  
Nama KBLI : Industri Besi Dan Baja Dasar (Iron And Steel Making), Perdagangan Besar Logam Dan Bijih Logam  
Kode KBLI : 71011\_46620  
Jenis API : Angka Pengenal Importir Umum (API - U)  
Status Penanaman Modal : PMA

NIB merupakan identitas Pelaku Usaha dalam rangka pelaksanaan kegiatan berusaha dan berlaku selama menjalankan kegiatan usaha sesuai ketentuan peraturan perundang-undangan.

NIB adalah bukti Pendaftaran Penanaman Modal Berusaha yang sekaligus merupakan pengisian Tanda Daftar Perusahaan, Angka Pengenal Importir dan hak akses kepastian.

OSS berfungsi untuk melakukan evaluasi dan atau perubahan atas izin usaha (izin komersial/operasional) sesuai ketentuan perundang-undangan.

OSS berfungsi memperbaiki status atas API-U atau API-P sesuai karakteristik pelaku usaha (perseorangan atau non-perseorangan). Ke-efektifan API sesuai dengan standar yang ditetapkan Kementerian Perdagangan.

NIB atas Perizinan Terbatas diberikan apabila dalam kurun waktu paling lama 1 (satu) tahun tidak menyesuaikan maksud dan tujuan serta kegiatan usahanya sesuai KBLI 2017 melalui SABH Direktorat Jenderal Administrasi Hukum Umum. Penyesuaian tersebut dilakukan melalui perubahan anggaran dasar perusahaan sebagaimana dimaksud dalam ketentuan Pasal 21 ayat (2) Undang-Undang Nomor 40 Tahun 2007 tentang Perizinan Terbatas, yang harus mendapat persetujuan Menteri (Menteri Hukum dan HAM).

Seluruh data yang tercantum dalam NIB dapat berubah sesuai dengan perkembangan kegiatan berusaha.

Ditetapkan tanggal : 02 Maret 2019  
Perubahan ke-1



Dokumen ini dihasilkan dari Sistem OSS atau dasar data dari pelaku usaha. Kehilangan dan kerusakan atas data yang ditampilkan dalam dokumen ini dan data yang tercantum dalam Sistem OSS menjadi tanggung jawab pelaku usaha sepenuhnya.

**NIB**



**DIREKTORAT JENDERAL PERDAGANGAN LUAR NEGERI**

Jalan M. J. Riden Rata No. 5, JAKARTA 10110  
Telp. 021-23528560, 3858191, 3858171 ext 35900, 35180  
Fax. 021-3858191

Nomor : 04.PI-05.20.3042  
Lampiran : -  
Hal : Persetujuan Impor Produk Besi atau Baja, Baja Paduan dan Produk Turunannya  
Jakarta, 10 September 2020

Yth. PT. HANAZONO ENGINEERING INDONESIA  
Jl. Raya Bojonegara-Serdang No. 44,  
Kel. Kertasana, Kec. Bojonegara,  
Kab. Serang, Prov. Banten

Sehubungan dengan permohonan PT. HANAZONO ENGINEERING INDONESIA No. 548165/INATRADE/09/2020 yang diterima tanggal 1 September 2020 perihal Persetujuan Impor Besi atau Baja, Baja Paduan, dan Produk Turunannya, maka berdasarkan Peraturan Menteri Perdagangan Nomor 03 Tahun 2020 tanggal 27 Januari 2020 tentang Perubahan atas Peraturan Menteri Perdagangan Nomor 110 Tahun 2018 tanggal 5 Desember 2018 tentang Ketentuan Impor Besi atau Baja, Baja Paduan dan Produk Turunannya, dengan ini diberitahukan bahwa:

Nama Perusahaan : PT. HANAZONO ENGINEERING INDONESIA  
Nomor Pokok Wajib Pajak (NPWP) : 02.194.074.7-059.000  
Nomor Induk Berusaha (NIB) : 9120007330125

Dapat disetujui untuk mengimpor Besi atau Baja, Baja Paduan dan Produk Turunannya sebagaimana tercantum pada halaman lampiran Persetujuan impor ini, serta wajib memenuhi ketentuan sebagai berikut :

1. PT. HANAZONO ENGINEERING INDONESIA dapat disetujui untuk mengimpor Besi atau Baja, Baja Paduan dan Produk Turunannya dari negara asal/negara muat Korea Selatan serta pelabuhan tujuan Tanjung Priok - Jakarta dengan uraian barang, spesifikasi, Pos Tarif/HS dan jumlah sebagaimana terdapat pada lampiran;
2. Importasi Besi atau Baja, Baja Paduan dan Produk Turunannya tersebut harus terlebih dahulu dilakukan verifikasi atau penelusuran teknis di pelabuhan muat atau Pusat Logistik Berikat oleh Surveyor yang ditetapkan oleh Menteri dan sesuai dengan ketentuan tataaksana kepastian yang berlaku, kecuali Baja Paduan dengan nomor Pos Tarif/HS Code 7219.90.00 pada lampiran Persetujuan Impor ini;
3. Persetujuan impor ini berlaku mulai tanggal diterbitkan sampai dengan tanggal 10 September 2021 yang dibuktikan dengan tanggal pendaftaran pemberitahuan pabean berupa dokumen Manifest (BC 1.1), atau Pemberitahuan Impor Barang dari Pusat Logistik Berikat (BC 2.8), sesuai ketentuan kepastian yang berlaku;
4. Masa berlaku persetujuan impor ini dapat diperpanjang paling lama 30 (tiga puluh) hari. Untuk memperoleh perpanjangan masa berlaku persetujuan impor, perusahaan harus mengajukan permohonan secara elektronik kepada Direktur Jenderal paling lambat 14 (empat belas) hari sebelum masa berlaku Persetujuan Impor habis;



**IP BESI BAJA (IMPORT LISENCE)**

**KEMENTERIAN ENERGI DAN SUMBER DAYA MINERAL**

**DIREKTORAT JENDERAL MINYAK DAN GAS BUMI**

**SURAT KEMAMPUAN USAHA PENUNJANG MIGAS**  
No. 8042 /19.07/DMB/2020

Memperhatikan surat permohonan PT. Hanacono Engineering Indonesia No. 001/HEI-SKUP/IX-2020 tanggal 3 September 2020 serta berdasarkan:

1. Peraturan Menteri Energi dan Sumber Daya Mineral No. 15 Tahun 2013 tentang Penggunaan Produk Dalam Negeri Pada Kegiatan Usaha Hulu Minyak dan Gas Bumi.
2. Peraturan Menteri Energi dan Sumber Daya Mineral No.14 Tahun 2011 tentang Kegiatan Usaha Penunjang Minyak dan Gas Bumi.
3. Hasil penelitian dan penilaian kemampuan usaha penunjang Migas meliputi aspek legal (status usaha dan finansial), teknis (kemampuan produksi dan sistem manajemen), jaringan pemasaran dan layanan purna jual.

**DIREKTUR JENDERAL MINYAK DAN GAS BUMI**

Dengan ini memberikan Surat Kemampuan Usaha Penunjang (SKUP) Migas kepada:

Nama Perusahaan : PT. HANAZONO ENGINEERING INDONESIA  
Alamat : Jl. Raya Bojonegara - Serdang No. 44, RT 001/RW 001, Kertasana Bojonegara, Serang, Banten 42454  
Penanggung Jawab : Agus Pranata (Direktur)

sebagai industri penunjang migas yang telah mampu memproduksi barang dalam negeri:

Hasil Produksi : Pressure Vessel, Tank, Auxiliary Plants & Component, Steel Structure (data resume dan spesifikasi terlampir)  
Rating Perusahaan : ★

Dengan ketentuan dan catatan sebagai berikut:

1. Perusahaan wajib memenuhi spesifikasi teknis, standar dan TKDN sebagaimana tercantum dalam lampiran SKUP Migas ini.
2. Perusahaan wajib meningkatkan capaian TKDN barang dan / atau jasa hasil produksinya.
3. Perusahaan wajib menyampaikan laporan setiap 6 (enam) bulan sekali dan atau apabila ada perubahan data dan informasi dalam SKUP Migas ini kepada Direktur Jenderal Minyak dan Gas Bumi.
4. Direktorat Jenderal Minyak dan Gas Bumi akan melakukan evaluasi melalui pemeriksaan lapangan secara berkala terhadap perusahaan/perorangan pemegang SKUP Migas.
5. Apabila dalam pelaksanaan usaha terdapat perusahaan tidak memiliki kemampuan sebagaimana tercantum dalam SKUP ini, maka Direktorat Jenderal Minyak dan Gas Bumi akan memberikan sanksi sampai dengan pencabutan SKUP Migas.



**MIGAS CERTIFICATE**

**KEMENTERIAN KEUANGAN REPUBLIK INDONESIA**  
**DIREKTORAT JENDERAL PAJAK**

**NPWP : 02.194.074.7-059.000**

**PT. HANAZONO ENGINEERING INDONESIA**

Jl. Raya Bojonegara-Serdang RT.001/RW.001  
Kertasana, Bojonegara  
Serang

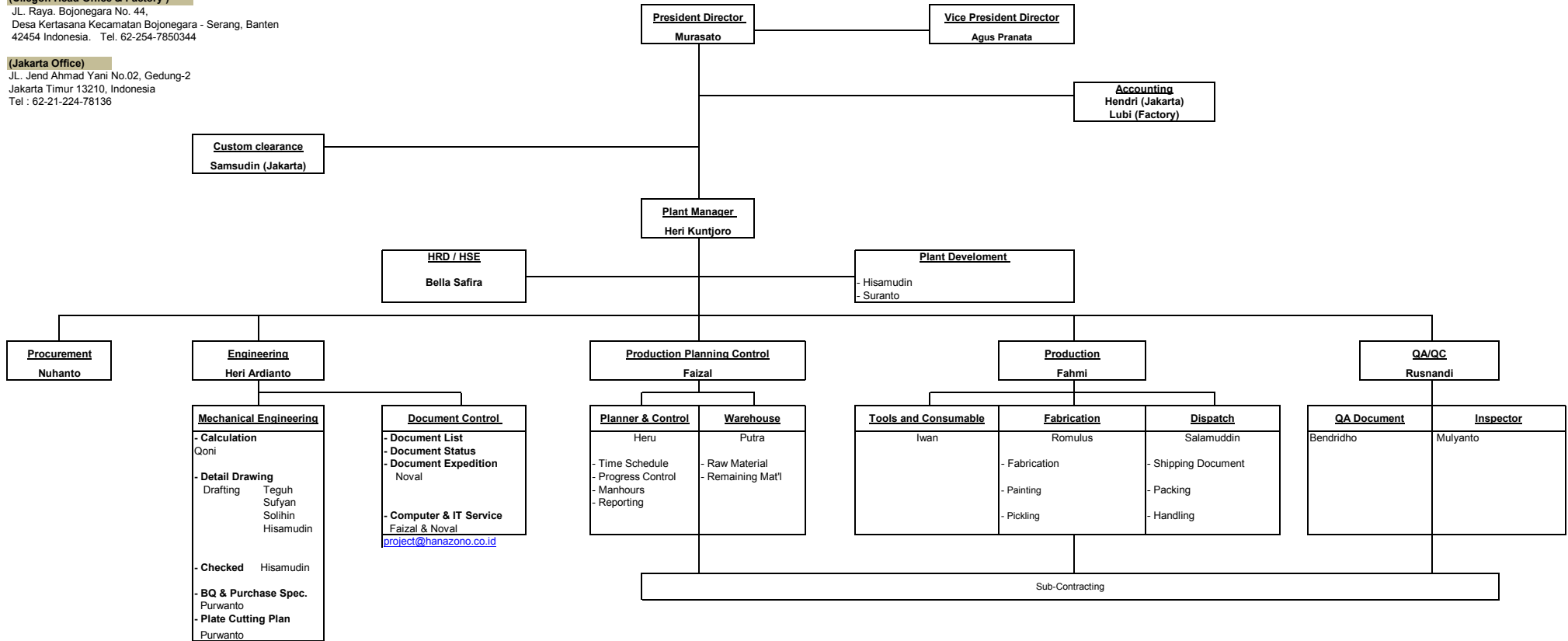
**KPP PENANAMAN MODAL ASING ENAM**

**NPWP**

COMPANY ORGANIZATION CHART

**(Cilegon Head Office & Factory )**  
JL. Raya. Bojonegara No. 44,  
Desa Kertasana Kecamatan Bojonegara - Serang, Banten  
42454 Indonesia. Tel. 62-254-7850344

**(Jakarta Office)**  
JL. Jend Ahmad Yani No.02, Gedung-2  
Jakarta Timur 13210, Indonesia  
Tel : 62-21-224-78136





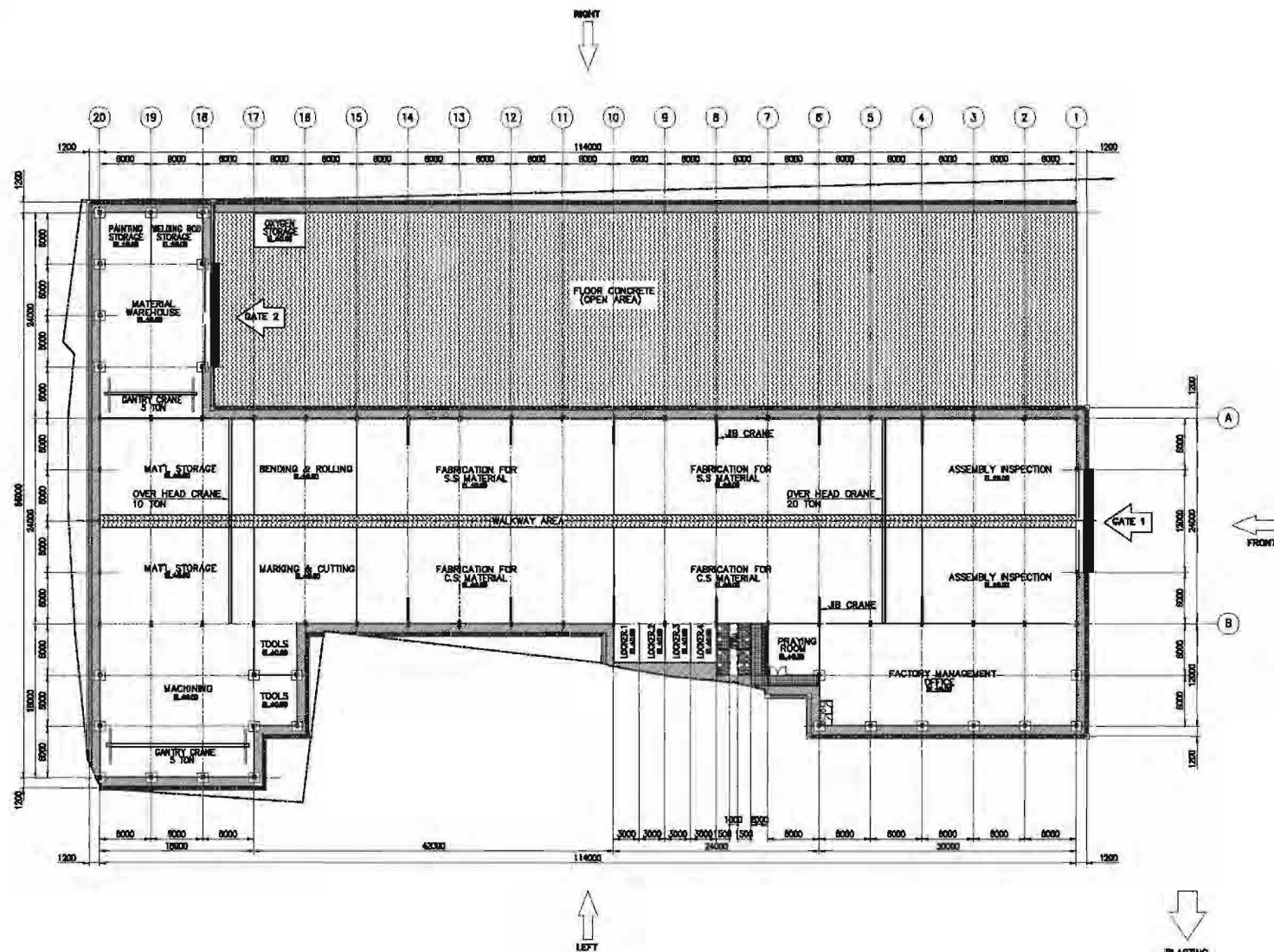


PLOT PLAN

NOTE :

1. ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED.

|                |      |                                                                                                                                                                            |            |
|----------------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| OWNER          |      |  <b>PT. HANAZONO Engineering Indonesia</b><br><i>We are always partners with you.</i> |            |
| PROJECT :      |      | GARUDA HEI PROJECT                                                                                                                                                         |            |
| DWG NAME :     |      | PLOT PLAN                                                                                                                                                                  |            |
|                | BY   | DATE                                                                                                                                                                       | WD NO:     |
| DRAWN          | Budi | --                                                                                                                                                                         |            |
| CHECKED        | --   |                                                                                                                                                                            |            |
| APPROVED       | --   |                                                                                                                                                                            |            |
| DRAWING NO :   |      |                                                                                                                                                                            | SCALE: NTS |
| HEI-007-WS-001 |      |                                                                                                                                                                            |            |
| REV            |      |                                                                                                                                                                            | PAPER      |
| 1 OF 1         |      |                                                                                                                                                                            | A2         |



WORKSHOP PLAN

NOTE :

1. ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED.
2. GATE 1 : EQUIP.DELIVERY & STORAGE
3. GATE 2 : MATERIAL GATE

|                |      |                                                                              |            |
|----------------|------|------------------------------------------------------------------------------|------------|
| OWNER          |      | PT. HANAZONO Engineering Indonesia<br><i>We are always partner with you.</i> |            |
| PROJECT :      |      | GARUDA HEI PROJECT                                                           |            |
| DWG NAME :     |      | WORKSHOP PLAN                                                                |            |
| BY             | DATE | NO NO:                                                                       | SCALE: NTS |
| DRAWN          | Bud  |                                                                              |            |
| CHECKED        |      |                                                                              |            |
| APPROVED       |      |                                                                              |            |
| DRAWING NO :   |      |                                                                              | REV        |
| HEI-007-WS-002 |      |                                                                              | 1 OF 1     |

# HANAZONO FACTORY



## **FACILITIES & MACHINE EQUIPMENT**



**SAND BLASTING ROOM**  
**5m x 5m x 10m**



**HOUSE FURNACE WITH GAS BURNER FIRING (PWHT)**  
**4m x 4m x 10**





**PLATE ROLLING MACHINE (MAX.25mm)**



**CUTTING MACHINE (GAS & PLASMA)**





**PT. HANAZONO Engineering Indonesia**  
Engineering, Procurement & Construction

## PRODUCTION EXPERIENCE PHOTOGRAPH



depositphotos

depositphotos

depositphotos



# PRODUCTION EXPERIENCE PHOTOGRAPH

## 1. LNG PROJECT



**DRUM & COLUMN**



**PLATFORM & LADDER**



**FLARE STACK**



**SUCTION POT**

**HEAD PLATE**



**WWT & PWT**



## 2. OFFSHORE & FSPO PROJECT



**SEPARATOR**



**INTERNAL**



**MEG REGENERATION PACKAGE**



**WATER TREATMENT PACKAGE / HYDRO CYCLONE**



**TEG DEHYDRATION SYSTEM**

### 3. REFINERY / PETRO CHEMICAL PROJECT



**RFCC PIPING, DUCT, & STACK WITH DAMPER**



JGC – DQR PROJECT  
FLUE GAS LINE & VAPOR LINE





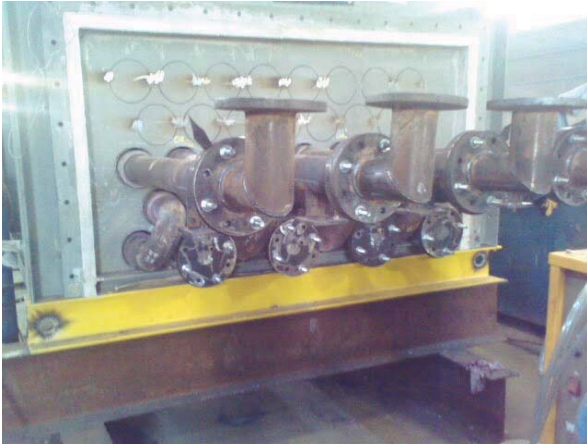


### **RDMP Flue Gas Line**

**(SA516-70N+S5 & SA240 – 304H) 3200 ton  
WITH REFRACTORY (AXENS SPEC)**







**CONVECTION COIL ASSEMBLY FOR FIRED HEATER**



**RADIANT STRUCTURE CYLINDER HEATER**



**RADIANT STRUCTURE FOR FIRED HEATER**



**RADIANT COIL ASSEMBLY FOR FIRED HEATER**



## 4. CHEMICAL PROJECT



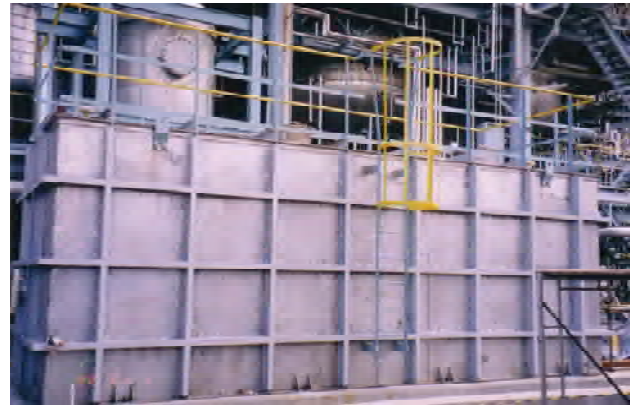
**PURGE COLUMN**



**STRAINER**



**MATERIAL HANDLING**



**SQUARE TANK**



**PRILING TOWER**



**FILTER DRUM**



**ICA PROJECT  
DIGESTER**



## 5. SITE ERECTION PROJECT



**NOLI PROJECT (LUBE OIL PLANT)  
CARBON STEEL OIL TANK**





**NSI I-2 PROJECT  
STAINLESS STEEL TANK**

## 6. BOILER STRUCTURE, DUCT & STACK



**STACK - BOTTOM**



**STACK - MIDDLE**



**STACK - TOP**



**INTERNAL GLASS FIBER**



**BOILER STRUCTURE**



**BOILER DUCT**





**RDMP CO Boiler Stack (Section 1)**



**RDMP CO Boiler Stack (Section 2)**



**RDMP CO Boiler Stack (Section 3)**



**RDMP CO Boiler Stack (Section 4)**



**RDMP CO Boiler Stack (Section 5)**

**RDMP CO BOILER BYPASS STACK (7800<sup>ID</sup> x 89000<sup>H</sup>) 940 ton  
WITH REFRACTORY 175 MMt**



RDMP CO BOILER BYPASS STACK AT SITE  
(7800<sup>ID</sup> x 89000<sup>H</sup>) 940 ton  
WITH REFRACTORY 175 MMt





### **RDMP Flue Gas Stack**

**(3000<sup>ID</sup> / 4000<sup>ID</sup> x 70000mmH) 155 ton  
WITH REFRACTORY 50 MMt**



**Agitator Drum**

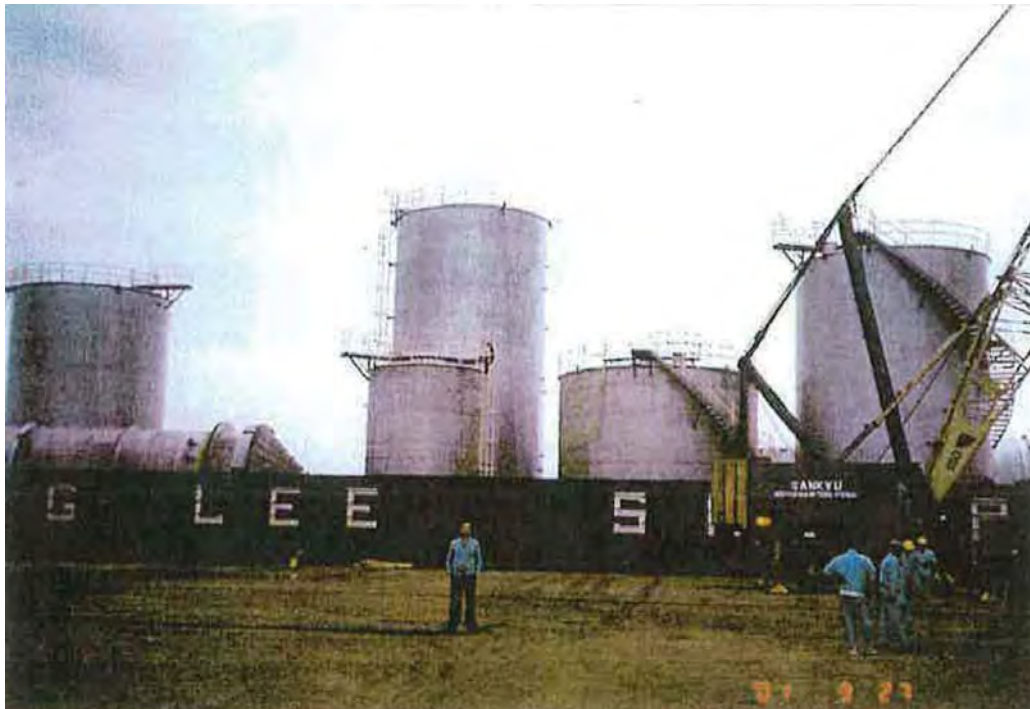


**Silencer for Fan**





**RDMP SOLID SULPHURIC SILO**  
**6000 id x 11000 H x INTERNAL COATING**  
**DOUBLE OUTLET CONE**



**BARGE SIZE 60 FEET x 210 FEET**



**INSTALLATION AT SINGAPORE SITE**





**PT. HANAZONO Engineering Indonesia**

We are always partner with you

## MAJOR EXPERIENCE LIST

| NO.  | CAT  | PROJECT NAME / DESCRIPTION                             | OWNER                                                            | CUSTOMER                                   | COUNTRY          | PLANT         | YEAR | SERVICE TYPE               | REMARKS   |
|------|------|--------------------------------------------------------|------------------------------------------------------------------|--------------------------------------------|------------------|---------------|------|----------------------------|-----------|
| 1    | PV   | PET NC PROJECT / DRUM & HOPPER                         | MITSUBISHI CHEMICAL INDONESIA                                    | BAKRIE DIA ENG.                            | INDONESIA        | PETROCHEMICAL | 2003 | ENG., PROC., & FABRICATION | DELIVERED |
| 2-A  | DT   | TOSCO - USA / RFCC FLUE GAS DUCT with REFRACTORY       | TOSCO USA / REFINERY PLANT                                       | TOYO ENGINEERING                           | USA              | REFINERY      | 2003 | ENG., PROC., & FABRICATION | DELIVERED |
| 2    | PV   | MP MELTING PROJECT / DRUM & HE                         | PT. PETNESIA RESINDO                                             | MITSUMI CHEMICAL & ENG.                    | INDONESIA        | PETROCHEMICAL | 2003 | ENG., PROC., & FABRICATION | DELIVERED |
| 3    | PV   | AD PROJECT / DRUM, COLUMN & TANK                       | MITSUBISHI CHEMICAL INDONESIA                                    | BAKRIE DIA ENG.                            | INDONESIA        | PETROCHEMICAL | 2004 | ENG., PROC., & FABRICATION | DELIVERED |
| 4    | PV   | ARR PROJECT / SNUBBER                                  | KAZMUNAIGAS                                                      | MITSUMI ENGINEERING & SHIPBUILDING CO. LTD | KAZAKHSTAN       | REFINERY      | 2004 | ENG., PROC., & FABRICATION | DELIVERED |
| 5    | FD   | SMAG II / FILTER DRUM                                  | SINGAPORE METHYL METACRYLATE PTE LTD                             | CENTRAL FILTER MFG                         | SINGAPORE        | PETROCHEMICAL | 2004 | ENG., PROC., & FABRICATION | DELIVERED |
| 6    | PV   | J PROJECT / SNUBBER & HEX                              | ISHIKAWAJIMAHARIMA HEAVY INDUSTRIES CO., LTD.                    | MITSUMI ENGINEERING & SHIPBUILDING CO. LTD | ICHIHARA / JAPAN | PETROCHEMICAL | 2004 | ENG., PROC., & FABRICATION | DELIVERED |
| 7    | PV   | PETRON REFINERY PJ / SNUBBER                           | STONE AND WEBSTER INC.                                           | MITSUMI ENGINEERING & SHIPBUILDING CO. LTD | PHILIPINE        | REFINERY      | 2004 | ENG., PROC., & FABRICATION | DELIVERED |
| 8    | PV   | SOHAR PROJECT / FILTER DRUM                            | SOHAR REFINERY                                                   | CENTRAL FILTER MFG                         | SOHAR - OMAN     | REFINERY      | 2004 | ENG., PROC., & FABRICATION | DELIVERED |
| 9    | PV   | SOHAR PROJECT / SNUBBER                                | SOHAR REFINERY                                                   | MITSUMI ENGINEERING & SHIPBUILDING CO. LTD | SOHAR - OMAN     | REFINERY      | 2004 | ENG., PROC., & FABRICATION | DELIVERED |
| 10   | PV   | AD PROJECT / CTA-1                                     | MITSUBISHI CHEMICAL INDONESIA                                    | MITSUBISHI CHEMICAL ENGINEERING            | INDONESIA        | PETROCHEMICAL | 2004 | ENG., PROC., & FABRICATION | DELIVERED |
| 11   | PLLD | ARR PROJECT / PLATFORM & LADDER                        | ATYRAU REFINERY                                                  | JGC CORPORATION                            | KAZAKHSTAN       | REFINERY      | 2004 | ENGINEERING                | DELIVERED |
| 12-1 | STAK | TUBAN AROMATIC FACILITY PJ / STACK 30M                 | PT. TRANS-PASIFIC PETROCHEMICAL INDOTAMA (TPPI)                  | JGC CORPORATION                            | EAST JAVA - INA  | PETROCHEMICAL | 2005 | ENG., PROC., & FABRICATION | DELIVERED |
| 12-2 | DT   | TUBAN AROMATIC FACILITY PJ / DUCT 600 ton              | PT. TRANS-PASIFIC PETROCHEMICAL INDOTAMA (TPPI) / AROMATIC PLANT | JGC CORPORATION                            | INDONESIA        | PETROCHEMICAL | 2005 | ENG., PROC., & FABRICATION | DELIVERED |
| 13   | PKG  | TUBAN AROMATIC FACILITY PJ / FEED DESALTER             | PT. TRANS-PASIFIC PETROCHEMICAL INDOTAMA (TPPI)                  | WAIJO                                      | INDONESIA        | PETROCHEMICAL | 2005 | ENG., PROC., & FABRICATION | DELIVERED |
| 14   | MR   | ALKALI 4TH REACTOR REPLACEMENT                         | LAUTAN OTSUKA CHEMICAL                                           | MITSUBISHI CHEMICAL ENGINEERING            | INDONESIA        | PETROCHEMICAL | 2004 | ENG., PROC., & FABRICATION | DELIVERED |
| 15   | ST   | TCO ASSET DEVELOPMENT PJ / STEEL STRUCTURE             | IMSTALCON                                                        | IMSTALCON                                  | KAZAKHSTAN       | PETROLEUM     | 2005 | ENGINEERING                | DELIVERED |
| 16   | PLLD | TUBAN AROMATIC FACILITY PJ / PLATFORM & LADDER 500 TON | PT. TRANS-PASIFIC PETROCHEMICAL INDOTAMA (TPPI)                  | JGC CORPORATION                            | INDONESIA        | PETROCHEMICAL | 2005 | ENG., PROC., & FABRICATION | DELIVERED |
| 17   | TK   | DENKA SINGAPORE PJ / TANK                              | DENKA SINGAPORE PTE, LTD                                         | SHINSHO                                    | SINGAPORE        | PETROCHEMICAL | 2005 | ENG., PROC., & FABRICATION | DELIVERED |



**PT. HANAZONO Engineering Indonesia**

We are always partner with you

## MAJOR EXPERIENCE LIST

| NO. | CAT  | PROJECT NAME / DESCRIPTION                            | OWNER                                                            | CUSTOMER                    | COUNTRY   | PLANT          | YEAR | SERVICE TYPE               | REMARKS   |
|-----|------|-------------------------------------------------------|------------------------------------------------------------------|-----------------------------|-----------|----------------|------|----------------------------|-----------|
| 18  | MR   | TUBAN AROMATIC FACILITY PJ / MATERIAL HANDLING        | PT. TRANS-PASIFIC PETROCHEMICAL INDOTAMA (TPPI)                  | JGC CORPORATION             | INDONESIA | PETROCHEMICAL  | 2005 | ENG., PROC., & FABRICATION | DELIVERED |
| 19  | PV   | TANGGUH LNG / COLUMN & DRUM                           | TANGGUH LNG - BP BERAU LTD                                       | KJP                         | INDONESIA | LNG PLANT      | 2007 | ENG., PROC., & FABRICATION | DELIVERED |
| 20  | WWT  | TANGGUH LNG / WWT & PWT                               | TANGGUH LNG - BP BERAU LTD                                       | KJP                         | INDONESIA | LNG PLANT      | 2006 | EPC                        | DELIVERED |
| 21  | PKG  | KERISI PROJECT / MEG REGENERATION                     | CONOCOPHILLIPS                                                   | TECHNIP/NATCO               | INDONESIA | REFINERY       | 2006 | ENG., PROC., & FABRICATION | DELIVERED |
| 22  | DT   | TUBAN AROMATIC / DUCT & DAMPER                        | PT. TRANS-PASIFIC PETROCHEMICAL INDOTAMA (TPPI) / AROMATIC PLANT | JGC CORPORATION             | INDONESIA | PETROCHEMICAL  | 2006 | ENG., PROC., & FABRICATION | DELIVERED |
| 23  | FS   | TANGGUH LNG / FLARE STACK 100M (Double)               | TANGGUH LNG - BP BERAU LTD                                       | KELLOG / JGC / PERTAFENIKKI | INDONESIA | LNG PLANT      | 2006 | ENG., PROC., & FABRICATION | DELIVERED |
| 24  | PLLD | TANGGUH LNG / PLATFORM & LADDER 650 TON               | TANGGUH LNG - BP BERAU LTD                                       | KJP                         | INDONESIA | LNG PLANT      | 2007 | ENG., PROC., & FABRICATION | DELIVERED |
| 25  | FD   | SMAG III / FILTER DRUM                                | SINGAPORE METHYL METACRYLATE PTE LTD                             | CENTRAL FILTER MFG          | SINGAPORE | PETROCHEMICAL  | 2006 | ENG., PROC., & FABRICATION | DELIVERED |
| 26  | DT   | <b>DQR / RFCC FLUE GAS DUCT with REFRACTORY</b>       | PETROVIETNAM / REFINERY PLANT                                    | JGC / TECHNIP               | VIETNAM   | REFINERY       | 2007 | ENG., PROC., & FABRICATION | DELIVERED |
| 27  | DT   | <b>DQR / RFCC FLUE GAS DUCT (SRU) with REFRACTORY</b> | PETROVIETNAM / REFINERY PLANT                                    | JGC / TECHNIP               | VIETNAM   | REFINERY       | 2007 | ENG., PROC., & FABRICATION | DELIVERED |
| 28  | DP   | VIETNAM DQR / DAMPER                                  | PETROVIETNAM                                                     | JGC/TECHNIP                 | VIETNAM   | REFINERY       | 2007 | ENG., PROC., & FABRICATION | DELIVERED |
| 29  | PV   | PND PROJECT / PURGE COLUMN                            | JAPAN POLYPROPYLENE CORPORATION                                  | TSUKISHIMA KIKAI CO., LTD   | JAPAN     | PETROCHEMICAL  | 2007 | ENG., PROC., & FABRICATION | DELIVERED |
| 30  | PKG  | RANGDONG DEV. PJ / SEPARATOR & COALESCER              | JAPAN VIETNAM PETROLEUM.CO                                       | NATCO                       | VIETNAM   | PETROLEUM      | 2007 | ENG., PROC., & FABRICATION | DELIVERED |
| 31  | PKG  | VIETNAM JVPC / HYDROCYLONE & DEGASSER                 | JAPAN VIETNAM PETROLEUM.CO                                       | NATCO                       | VIETNAM   | PETROLEUM      | 2007 | ENG., PROC., & FABRICATION | DELIVERED |
| 32  | PKG  | SRC PROJECT / INTERNAL FOR DESALTER                   | SINGAPORE REFINING CO.PTE.LTD                                    | NATCO                       | SINGAPORE | REFINERY       | 2007 | ENG., PROC., & FABRICATION | DELIVERED |
| 33  | PLLD | TANGGUH LNG / PLATFORM & LADDER FOR LNG TANK 1100 TON | TANGGUH LNG - BP BERAU LTD                                       | TOYO KANETSU INDONESIA      | INDONESIA | LNG PLANT      | 2006 | ENG., PROC., & FABRICATION | DELIVERED |
| 34  | TK   | TANGGUH LNG / SUPPER STRUCTURE FOR LNG TANK           | TANGGUH LNG - BP BERAU LTD                                       | TOYO KANETSU INDONESIA      | INDONESIA | LNG PLANT      | 2007 | ENG., PROC., & FABRICATION | DELIVERED |
| 35  | PV   | DUMAI L-PROJECT / DRUM                                | PERTAMINA - SK COPORATION                                        | SKEC                        | INDONESIA | LUBE OIL PLANT | 2007 | ENG., PROC., & FABRICATION | DELIVERED |





**PT. HANAZONO Engineering Indonesia**

We are always partner with you

## MAJOR EXPERIENCE LIST

| NO. | CAT  | PROJECT NAME / DESCRIPTION                      | OWNER                                   | CUSTOMER                        | COUNTRY   | PLANT          | YEAR | SERVICE TYPE               | REMARKS   |
|-----|------|-------------------------------------------------|-----------------------------------------|---------------------------------|-----------|----------------|------|----------------------------|-----------|
| 36  | FH   | DUMAI L-PROJECT / FIRED HEATER (BOX)            | PERTAMINA - SK COPORATION               | JNK/SKEC                        | INDONESIA | LUBE OIL PLANT | 2007 | ENG., PROC., & FABRICATION | DELIVERED |
| 37  | FH   | DUMAI L-PROJECT / FIRED HEATER (CIRCULAR)       | PERTAMINA - SK COPORATION               | JNK/SKEC                        | INDONESIA | LUBE OIL PLANT | 2007 | ENG., PROC., & FABRICATION | DELIVERED |
| 38  | LNG  | YEMEN LNG / SUCTION POT & HEAD PLATE            | YEMGAS LNG PROJECT                      | NIKKISO                         | YEMEN     | LNG PLANT      | 2007 | ENG., PROC., & FABRICATION | DELIVERED |
| 39  | LNG  | INDIA PETRONET / SUCTION POT & HEAT PLATE       | ISHIKAWAJIMA-HARIMA HEAVY INDUSTRIES    | NIKKISO                         | INDIA     | LNG TERMINAL   | 2007 | ENG., PROC., & FABRICATION | DELIVERED |
| 40  | FH   | SARAWAKU PJ / FIRE TUBE                         | SARAWAK SHELL BERHARD                   | NATCO                           | MALAYSIA  | REFINERY       | 2007 | ENG., PROC., & FABRICATION | DELIVERED |
| 41  | FD   | GP2Z PJ / FILTER DRUM                           | ISHIKAWAJIMA-HARIMA HEAVY INDUSTRIES    | CENTRAL FILTER MFG              | ALGERIA   | GAS PROJECT    | 2007 | ENG., PROC., & FABRICATION | DELIVERED |
| 42  | MR   | STAINER REPLACEMENT                             | PT. MITSUBISHI CHEMICAL INDONESIA       | MITSUBISHI CHEMICAL ENGINEERING | INDONESIA | PETROCHEMICAL  | 2007 | ENG., PROC., & FABRICATION | DELIVERED |
| 43  | ST   | BONTANG / ROOF STRUCTURE                        | P. T. BADAQ N. G. L.                    | TOYO KANETSU INDONESIA          | INDONESIA | LNG PLANT      | 2007 | ENG., PROC., & FABRICATION | DELIVERED |
| 44  | PLLD | TANGGUH LNG / PUMP PLATFORM                     | TANGGUH LNG - BP BERAU LTD              | TOYO KANETSU INDONESIA          | INDONESIA | LNG PLANT      | 2007 | ENG., PROC., & FABRICATION | DELIVERED |
| 45  | FSRU | FPSO CIDADE DE NITEROI MV18 PJ / SEPARATOR      | PETROBRASS                              | NATCO                           | BRAZIL    | FPSO           | 2008 | ENG., PROC., & FABRICATION | DELIVERED |
| 46  | PKG  | UJUNG PANGKAH DEV. PJ / COALESCER & SEPARATOR   | PT. TRIPATRA ENGINEERS & CONSTRUCTORS   | NATCO                           | INDONESIA | PETROLEUM      | 2008 | ENG., PROC., & FABRICATION | DELIVERED |
| 47  | FSRU | FPSO CIDADE DE NITEROI MV18 PJ / TEG DEHYDRATON | PETROBRASS                              | NATCO                           | BRAZIL    | FPSO           | 2008 | ENG., PROC., & FABRICATION | DELIVERED |
| 48  | FD   | PCS PROJECT / FILTERED DRUM                     | PETROCHEMICAL CORPORATION OF SINGAPORE  | CENTRAL FILTER MFG              | SINGAPORE | PETROCHEMICAL  | 2007 | ENG., PROC., & FABRICATION | DELIVERED |
| 49  | LNG  | CHILEAN LNG PROJECT / SUCTION POT & HEAD PLATE  | GNL CHILE                               | NIKKISO                         | CHILE     | LNG TERMINAL   | 2008 | ENG., PROC., & FABRICATION | DELIVERED |
| 50  | LNG  | PERU SRL PROJECT / HEAD PLATE                   | PERU LNG S.R.L (PAMPA MELCHORITA, PERU) | NIKKISO                         | PERU      | LNG TERMINAL   | 2008 | ENG., PROC., & FABRICATION | DELIVERED |
| 51  | LNG  | SHANGHAI LNG PROJECT / SUCTION POT & HEAD PLATE | SHANGHAI LNG Co., Ltd.                  | NIKKISO                         | CHINA     | LNG TERMINAL   | 2008 | ENG., PROC., & FABRICATION | DELIVERED |
| 52  | PV   | KANGEAN ENERGY PROJECT                          | ATLANTIC RICHFIELD BALI NORTH Inc.      | CEMERLANG JAYA                  | INDONESIA | PETROLEUM      | 2008 | ENG., PROC., & FABRICATION | DELIVERED |
| 53  | FS   | GP1Z PROJECT / DERRICK FLARE STACK 70M          | SONATRACH ALGERIA                       | IHI / NINAO                     | ALGERIA   | PETROLEUM      | 2008 | ENG., PROC., & FABRICATION | DELIVERED |



**PT. HANAZONO Engineering Indonesia**

We are always partner with you

## MAJOR EXPERIENCE LIST

| NO. | CAT  | PROJECT NAME / DESCRIPTION                        | OWNER                                    | CUSTOMER                     | COUNTRY   | PLANT              | YEAR | SERVICE TYPE               | REMARKS   |
|-----|------|---------------------------------------------------|------------------------------------------|------------------------------|-----------|--------------------|------|----------------------------|-----------|
| 54  | STAK | MUARA TAWAR PROJECT 50M                           | PERTAMINA - MT                           | KOBAR                        | INDONESIA | POWER PLANT        | 2008 | ENG., PROC., & FABRICATION | DELIVERED |
| 55  | STAK | KONENG GAS STATION 30M                            | MEDCO - 1                                | KOBAR                        | INDONESIA | GAS PLANT          | 2008 | ENG., PROC., & FABRICATION | DELIVERED |
| 56  | TK   | VE - 1202 REPLACEMENT / TANK                      | ASAHIMAS CHEMICAL                        | ASAHIMAS                     | INDONESIA | PETROCHEMICAL      | 2008 | ENG., PROC., & FABRICATION | DELIVERED |
| 57  | PV   | PAYO SELINCAH / DRUM & PIG LAUNCHER & RECEIVER    | PT. ENERGASINDO HEKSA KARYA              | KINARYA                      | INDONESIA | GAS LINE           | 2008 | ENG., PROC., & FABRICATION | DELIVERED |
| 58  | LNG  | CHINA - XIANJIANG LNG / SUCTION POT               | CHEMTEX INT / XINJIAN GUANGHL NEW ENERGY | NIKKISO                      | CHINA     | LNG PLANT          | 2008 | ENG., PROC., & FABRICATION | DELIVERED |
| 59  | PV   | TUBAN - LPG RECOVERY / DRUM < 20T & PLATFORM      | JAVA ENERGY GROUP, PTE, LTD.             | JGC INDONESIA                | INDONESIA | LPG RECOVERY PLANT | 2008 | ENG., PROC., & FABRICATION | DELIVERED |
| 60  | PV   | TUBAN - LPG RECOVERY/ COLUMN & DRUM > 20T & PF LD | JAVA ENERGY GROUP, PTE, LTD.             | JGC INDONESIA                | INDONESIA | LPG RECOVERY PLANT | 2008 | ENG., PROC., & FABRICATION | DELIVERED |
| 61  | PV   | TW - 2202 REPLACEMENT / COLUMN                    | ASAHIMAS CHEMICAL                        | ASAHIMAS                     | INDONESIA | PETROCHEMICAL      | 2008 | ENG., PROC., & FABRICATION | DELIVERED |
| 62  | FS   | ECOGREEN PROJECT / FLARE TIP & BURNER 50M         | PT ECOGREEN OLEO CHEMICALS               | NINAO CORPORATION            | INDONESIA | PETROCHEMICAL      | 2008 | ENG., PROC., & FABRICATION | DELIVERED |
| 63  | ST   | WW2 / CABLE TRAY STRUCTURE                        | MAGMA NUSANTARA LIMITED                  | TAHEI DENGYO KYOGO           | INDONESIA | POWER PLANT        | 2008 | ENG., PROC., & FABRICATION | DELIVERED |
| 64  | ST   | WW2 / BAFFLE AND SILENCER                         | MAGMA NUSANTARA LIMITED                  | REKAYASA INDUSTRY            | INDONESIA | POWER PLANT        | 2008 | ENG., PROC., & FABRICATION | DELIVERED |
| 65  | LNG  | LANZHOU LNG PROJECT / HEAD PLATE                  | LANZHOU GAS                              | NIKKISO                      | CHINA     | PETROLEUM          | 2008 | ENG., PROC., & FABRICATION | DELIVERED |
| 66  | PV   | PAYO SELINCAH / DRUM & PIG LAUNCHER & RECEIVER    | PT. INDOGAS KARYA DWIGUNA                | PT. FARREL INTERNUSA PRATAMA | INDONESIA | GAS LINE           | 2008 | ENG., PROC., & FABRICATION | DELIVERED |
| 67  | TK   | VE - 1504 REPLACEMENT / TANK                      | ASAHIMAS CHEMICAL                        | ASAHIMAS                     | INDONESIA | PETROCHEMICAL      | 2008 | ENG., PROC., & FABRICATION | DELIVERED |
| 68  | LNG  | STAVANGER PROJECT / HEAD PLATE                    | LYSE INFRA AS                            | NIKKISO                      | NORWAY    | LNG PLANT          | 2008 | ENG., PROC., & FABRICATION | DELIVERED |
| 69  | LNG  | XILAN STORAGE TANK PROJECT / HEAD PLATE           | JINGBIAN XILAN LNG CO. , LTD             | NIKKISO                      | CHINA     | LNG PLANT          | 2008 | ENG., PROC., & FABRICATION | DELIVERED |
| 70  | LNG  | KAVIAN OLEFIN PLANT PROJECT / HEAD PLATE          | BAKHTAR PETROCHEMICAL COMPANY            | NIKKISO                      | IRAN      | PETROCHEMICAL      | 2008 | ENG., PROC., & FABRICATION | DELIVERED |
| 71  | FS   | RHOURE NOUSS CTH PROJECT / FLARE STACK 70M        | SONATRACH ALGERIA                        | JGC / NINAO                  | ALGERIA   | PETROLEUM          | 2009 | ENG., PROC., & FABRICATION | DELIVERED |
| 72  | PV   | BANYU URIP EPF-2 PROJECT / DRUM                   | MOBIL CEPU LIMITED                       | PT. MAN FERROSTAAL INDONESIA | INDONESIA | OIL PLANT          | 2009 | ENG., PROC., & FABRICATION | DELIVERED |





**PT. HANAZONO Engineering Indonesia**

We are always partner with you

## MAJOR EXPERIENCE LIST

| NO. | CAT | PROJECT NAME / DESCRIPTION                                            | OWNER                               | CUSTOMER                     | COUNTRY   | PLANT             | YEAR | SERVICE TYPE               | REMARKS   |
|-----|-----|-----------------------------------------------------------------------|-------------------------------------|------------------------------|-----------|-------------------|------|----------------------------|-----------|
| 73  | LNG | TWO LNG STORAGE TANK PROJECT / HEAD PLATE                             | IHI CORPORATION                     | NIKKISO                      | IRAN      | LNG PLANT         | 2009 | ENG., PROC., & FABRICATION | DELIVERED |
| 74  | FH  | E-220 REPLACEMENT PROJECT / MANIFOLD HEADER                           | KALTIM PASIFIK AMONIAK              | ICWN                         | INDONESIA | PETROCHEMICAL     | 2009 | ENG., PROC., & FABRICATION | DELIVERED |
| 75  | FS  | JPS / ISHIKARI LNG TERMINAL PJ / DERRICK FLARE STACK 100M             | HOKKAIDO GAS                        | JGC / NINAO                  | JAPAN     | LNG TERMINAL      | 2009 | ENG., PROC., & FABRICATION | DELIVERED |
| 76  | SIL | PAITON III EXPANSION PROJECT / SILENCER (PAF & FDF)                   | PT. PAITON ENERGY                   | MITSUBISHI HEAVY INDUSTRIES  | INDONESIA | POWER PLANT       | 2010 | ENG., PROC., & FABRICATION | DELIVERED |
| 77  | TK  | KAVIAN OLEFIN PLANT PROJECT / COLUMN PIPE                             | BAKHTAR PETROCHEMICAL COMPANY       | KANEMATSU                    | IRAN      | PETROCHEMICAL     | 2010 | ENG., PROC., & FABRICATION | DELIVERED |
| 78  | FS  | GASSI TOUIL LNG PJ / FLARE STACK 70M                                  | SONATRACH ALGERIA                   | JGC / NINAO                  | ALGERIA   | LNG TERMINAL      | 2010 | ENG., PROC., & FABRICATION | DELIVERED |
| 79  | LNG | GORGON LNG PROJECT / SUCTION POT, HEAD PLATE & PIPE COLUMN            | CHEVRON AUSTRALIA                   | NIKKISO                      | AUSTRALIA | LNG PLANT         | 2010 | ENG., PROC., & FABRICATION | DELIVERED |
| 80  | LNG | KRIBHCO AMMONIA REVAMP PROJECT / SUCTION POT                          | KRISHAK BHARATI CO-COOPERATIVE LTD  | NIKKISO                      | INDIA     | LNG TERMINAL      | 2010 | ENG., PROC., & FABRICATION | DELIVERED |
| 81  | PV  | JGC COAL FILTER PROJECT / PRESSURE VESSEL & TANK                      | JGC CORPORATION                     | JGC INDONESIA                | INDONESIA | COAL PLANT        | 2010 | ENG., PROC., & FABRICATION | DELIVERED |
| 82  | ST  | RUWAIS REFINERY EXPANSION PJ / STAIRWAY, PLATFORM, LADDER & STRUCTURE | RUWAIS REFINERY                     | PT. TOYO KANETSU INDONESIA   | UAE       | REFINERY          | 2010 | PROC., & FABRICATION       | DELIVERED |
| 83  | LNG | KHARG ISLAND GAS / HEAD PLATE                                         | IRANIAN OFFSHORE OIL COMPANY (IOOC) | NIKKISO                      | IRAN      | LNG PLANT         | 2011 | ENG., PROC., & FABRICATION | DELIVERED |
| 84  | PV  | NEDO BIO ETHANOL / HEAT EXCHANGER & COLUMN                            | PTPN X GEMPOL KREP                  | TSUKISHIMA KIKAI CO., LTD    | INDONESIA | BIO ETHANOL PLANT | 2011 | PROC., & FABRICATION       | DELIVERED |
| 85  | PV  | ICA PROJECT / HEAT EXCHANGER & COLUMN                                 | INDONESIA CHEMICAL ALUMINA          | TSUKISHIMA KIKAI CO., LTD    | INDONESIA | PETROCHEMICAL     | 2011 | ENG., PROC., & FABRICATION | DELIVERED |
| 86  | PV  | NS1 PROJECT / PRESSURE VESSEL                                         | VIETNAM ELECTRICITY                 | ORGANO (ASIA) SDN BHD        | VIETNAM   | POWER PLANT       | 2011 | ENG., PROC., & FABRICATION | DELIVERED |
| 87  | TK  | NOLI PROJECT / ERECTED TANKS                                          | PT. JX NIPPON OIL & ENERGY          | JGC INDONESIA                | INDONESIA | LUBE OIL PLANT    | 2011 | ENG., PROC., & FABRICATION | DELIVERED |
| 88  | TK  | i-II PROJECT / TANKS                                                  | PT. NIPPON SHOKUBAI                 | TOYO ENGINEERING CORPORATION | INDONESIA | PETROCHEMICAL     | 2011 | ENG., PROC., & FABRICATION | DELIVERED |
| 89  | LNG | DONGGI SENORO LNG / SUCTION POT                                       | PT. DONGGI SENORO LNG               | NIKKISO                      | INDONESIA | LNG PLANT         | 2011 | ENG., PROC., & FABRICATION | DELIVERED |



**PT. HANAZONO Engineering Indonesia**

We are always partner with you

## MAJOR EXPERIENCE LIST

| NO. | CAT  | PROJECT NAME / DESCRIPTION                    | OWNER                                        | CUSTOMER                     | COUNTRY   | PLANT          | YEAR | SERVICE TYPE               | REMARKS   |
|-----|------|-----------------------------------------------|----------------------------------------------|------------------------------|-----------|----------------|------|----------------------------|-----------|
| 90  | FSRU | JRU PETRONAS / SUCTION POT                    | PETRONAS MALAYSIA                            | NATCO                        | MALAYSIA  | FPSO           | 2011 | ENG., PROC., & FABRICATION | DELIVERED |
| 91  | ST   | DONGGI SENORO LNG / PIPE CARGO BUCKET         | PT. DONGGI SENORO LNG                        | JGC INDONESIA                | INDONESIA | LNG PLANT      | 2011 | ENG., PROC., & FABRICATION | DELIVERED |
| 92  | DT   | i-II PROJECT / DUCT & CHUTE                   | PT. NIPPON SHOKUBAI / ALKALI ACID            | TOYO ENGINEERING             | INDONESIA | CHEMICAL       | 2011 | ENG., PROC., & FABRICATION | DELIVERED |
| 93  | LNG  | LNG PEAK SHAVING / HEAD PLATE                 | CNGC HEBEI NATURAL GAS COMPANY LTD           | NIKKISO                      | CHINA     | LNG PLANT      | 2011 | ENG., PROC., & FABRICATION | DELIVERED |
| 94  | LNG  | GORGON LNG PROJECT / SUCTION POT              | CHEVRON AUSTRALIA                            | NIKKISO                      | AUSTRALIA | LNG TERMINAL   | 2011 | ENG., PROC., & FABRICATION | DELIVERED |
| 95  | LNG  | TWO LNG STORAGE TANK KOCHI / HEAD PLATES      | PETRONET LNG LIMITED                         | NIKKISO                      | INDIA     | LNG TERMINAL   | 2011 | ENG., PROC., & FABRICATION | DELIVERED |
| 96  | LNG  | CHILEAN LNG PROJECT / HEAD PLATE              | GNL QUINTERO S.A                             | NIKKISO                      | CHILE     | LNG TERMINAL   | 2011 | ENG., PROC., & FABRICATION | DELIVERED |
| 97  | LNG  | XINJI KARAMAY LNG LIQUEFACTION / HEAD PLATES  | XINJI KARAMAY LNG PLANT                      | NIKKISO                      | CHINA     | LNG TERMINAL   | 2011 | ENG., PROC., & FABRICATION | DELIVERED |
| 98  | DP   | i-II PROJECT / DAMPERS                        | PT. NIPPON SHOKUBAI                          | TOYO ENGINEERING CORPORATION | INDONESIA | PETROCHEMICAL  | 2011 | ENG., PROC., & FABRICATION | DELIVERED |
| 99  | PLLD | DONGGI SENORO LNG / PLATFORM & LADDER 350 TON | PT. DONGGI SENORO LNG                        | JGC INDONESIA                | INDONESIA | LNG PLANT      | 2011 | ENG., PROC., & FABRICATION | DELIVERED |
| 100 | LNG  | YULIN YUYANG LNG PEAK SHAVING / HEAD PLATES   | YULIN YUYANG YUANHENG ENERGY                 | NIKKISO                      | CHINA     | LNG TERMINAL   | 2011 | ENG., PROC., & FABRICATION | DELIVERED |
| 101 | LNG  | SHAANXI JINGBIAN LNG / HEAD PLATES            | SHAANXI JINGBIAN XINYUAN INDUSTRY            | NIKKISO                      | CHINA     | LNG TERMINAL   | 2011 | ENG., PROC., & FABRICATION | DELIVERED |
| 102 | LNG  | TIANJIN PHASE-2 / HEAD PLATES                 | VOPAK BOHAI PETROCHEMICAL (TIANJIN) TERMINAL | NIKKISO                      | CHINA     | LNG TERMINAL   | 2012 | ENG., PROC., & FABRICATION | DELIVERED |
| 103 | PV   | MP-2 PROJECT / SP-DRYER                       | TSK                                          | TSUKISHIMA KIKAI CO., LTD    | MALAYSIA  | CHEMICAL PLANT | 2012 | PROC., & FABRICATION       | DELIVERED |
| 104 | FD   | TREX PROJECT / FILTERED DRUMS                 | SUMITOMO CHEMICAL ASIA PTE. LTD              | CENTRAL FILTER MFG           | SINGAPORE | CHEMICAL       | 2012 | ENG., PROC., & FABRICATION | DELIVERED |
| 105 | LNG  | WUHAI HUAQI QIANLISHAN LNG / HEAD PLATES      | CHINA TIANCHEN / WUHAI HUAQI QIANLISHAN LNG  | NIKKISO                      | CHINA     | LNG TERMINAL   | 2012 | ENG., PROC., & FABRICATION | DELIVERED |

## MAJOR EXPERIENCE LIST

| NO. | CAT  | PROJECT NAME / DESCRIPTION                         | OWNER                                       | CUSTOMER | COUNTRY   | PLANT         | YEAR | SERVICE TYPE               | REMARKS   |
|-----|------|----------------------------------------------------|---------------------------------------------|----------|-----------|---------------|------|----------------------------|-----------|
| 106 | LNG  | WUHAI HUAQI XILAIFENG LNG / HEAD PLATES            | CHINA TIANCHEN / WUHAI HUAQI QIANLISHAN LNG | NIKKISO  | CHINA     | LNG TERMINAL  | 2012 | ENG., PROC., & FABRICATION | DELIVERED |
| 107 | LNG  | BANDAR ASALUYE ETHANE CRACKING PLANT / HEAD PLATES | BANDAR ASALUYE 9TH OLEFIN PLANT             | NIKKISO  | IRAN      | LNG TERMINAL  | 2012 | ENG., PROC., & FABRICATION | DELIVERED |
| 108 | LNG  | LINDE - NRU PJT / SUCTION POTS                     | IRAN LNG COMPANY                            | NIKKISO  | IRAN      | LNG TERMINAL  | 2012 | ENG., PROC., & FABRICATION | DELIVERED |
| 109 | LNG  | TANGSHAN LNG PJT / SUCTION POTS & HEAD PLATES      | PETROCHINA TANGSHAN LNG                     | NIKKISO  | CHINA     | LNG TERMINAL  | 2012 | ENG., PROC., & FABRICATION | DELIVERED |
| 110 | FSRU | ACCELERATE LNG - FSRU / SUCTION POTS               | DSME / ACCELERATE ENERGY                    | NIKKISO  | KOREA     | LNG TERMINAL  | 2012 | ENG., PROC., & FABRICATION | DELIVERED |
| 111 | LNG  | TIANJIN BOHUA LNG PJT / HEAD PLATES                | TIANJIN BOHUA PETROCHEMICAL CO., LTD.       | NIKKISO  | CHINA     | LNG TERMINAL  | 2012 | ENG., PROC., & FABRICATION | DELIVERED |
| 112 | LNG  | QINGDAO HAIJING PJT / HEAD PLATES                  | QINGDAO HYGAIN CHEMICAL GROUP               | NIKKISO  | CHINA     | LNG TERMINAL  | 2012 | ENG., PROC., & FABRICATION | DELIVERED |
| 113 | LNG  | SONGYUAN PROJECT / SUCTION POT                     | CHEMTEX INT / JILIN QIANYUAN ENERGY DEV.    | NIKKISO  | CHINA     | LNG TERMINAL  | 2012 | ENG., PROC., & FABRICATION | DELIVERED |
| 114 | FSRU | PRELUDE FLNG PJT / HEAD PLATES                     | SAMSUNG HEAVY INDUSTRIES LTD                | NIKKISO  | AUSTRALIA | FLNG          | 2012 | ENG., PROC., & FABRICATION | DELIVERED |
| 115 | LNG  | TAIAN LNG PROJECT / SUCTION POTS                   | SHANGDONG TAIAN ENERGY                      | NIKKISO  | CHINA     | LNG TERMINAL  | 2012 | ENG., PROC., & FABRICATION | DELIVERED |
| 116 | LNG  | GNL CHILE PJT / SUCTION POTS                       | GNL CHILE                                   | NIKKISO  | CHILE     | LNG TERMINAL  | 2012 | ENG., PROC., & FABRICATION | DELIVERED |
| 117 | LNG  | YANGZHOU PROJECT / HEAD PLATES                     | YANGZHOU OX PETROCHEMICAL                   | NIKKISO  | CHINA     | LNG TERMINAL  | 2012 | ENG., PROC., & FABRICATION | DELIVERED |
| 118 | LNG  | QATAR ETHYLENE PJT / HEAD PLATES                   | QATAR PETROCHEMICAL COMPANY                 | NIKKISO  | QATAR     | PETROCHEMICAL | 2013 | ENG., PROC., & FABRICATION | DELIVERED |
| 119 | LNG  | HAINAN PROJECT / SUCTION POTS                      | CNOOC HAINAN GAS CO., LTD                   | NIKKISO  | CHINA     | LNG TERMINAL  | 2013 | ENG., PROC., & FABRICATION | DELIVERED |
| 120 | LNG  | NINGXIA HONGXI LNG PJT / HEAD PLATES               | NINGXIA HONGXI LNG PJT                      | NIKKISO  | CHINA     | LNG TERMINAL  | 2013 | ENG., PROC., & FABRICATION | DELIVERED |
| 121 | LNG  | BRUNEI LNG PROJECT / SUCTION POTS                  | SHELL BRUNEI LNG                            | NIKKISO  | BRUNEI    | LNG TERMINAL  | 2013 | ENG., PROC., & FABRICATION | DELIVERED |





**PT. HANAZONO Engineering Indonesia**

We are always partner with you

## MAJOR EXPERIENCE LIST

| NO. | CAT  | PROJECT NAME / DESCRIPTION                                | OWNER                                 | CUSTOMER                          | COUNTRY   | PLANT            | YEAR | SERVICE TYPE               | REMARKS   |
|-----|------|-----------------------------------------------------------|---------------------------------------|-----------------------------------|-----------|------------------|------|----------------------------|-----------|
| 122 | FH   | TIGAR 50TPD PROJECT / INCINERATOR                         | IHI PLANT ENGINEERING CORPORATION     | IHI PLANT ENGINEERING CORPORATION | INDONESIA | FERTILIZER PLANT | 2013 | ENG., PROC., & FABRICATION | DELIVERED |
| 123 | TK   | TIGAR 50TPD PROJECT / TANKS                               | IHI PLANT ENGINEERING CORPORATION     | IHI PLANT ENGINEERING CORPORATION | INDONESIA | CHEMICAL PLANT   | 2013 | ENG., PROC., & FABRICATION | DELIVERED |
| 124 | FSRU | PETRONAS FLNG PROJECT / SUCTION POTS                      | PETRONAS MALAYSIA                     | NIKKISO                           | MALAYSIA  | FLNG             | 2013 | ENG., PROC., & FABRICATION | DELIVERED |
| 125 | LNG  | HOLLAND NIKKISO PROJECT / SUCTION POTS                    | HOLLAND COMPANY                       | NIKKISO                           | HOLAND    | LNG TERMINAL     | 2013 | ENG., PROC., & FABRICATION | DELIVERED |
| 126 | FSRU | PRELUDE LNG PROJECT / PIPE COLUMN                         | PRELUDE LNG                           | NIKKISO                           | AUSTRALIA | FLNG             | 2013 | ENG., PROC., & FABRICATION | DELIVERED |
| 127 | LNG  | CHINA YANGZHOU PROJECT / HEAD PLATES                      | YANGZHOU OX PETROCHEMICAL             | NIKKISO                           | CHINA     | LNG TERMINAL     | 2013 | ENG., PROC., & FABRICATION | DELIVERED |
| 128 | LNG  | CHINA YANGZIJIANG PROJECT / HEAD PLATES                   | YANGZIJIANG PETROCHEMICAL             | NIKKISO                           | CHINA     | LNG TERMINAL     | 2013 | ENG., PROC., & FABRICATION | DELIVERED |
| 129 | LNG  | ARUN LNG PROJECT / SUCTION POTS                           | PERTAMINA                             | NIKKISO                           | INDONESIA | LNG TERMINAL     | 2013 | ENG., PROC., & FABRICATION | DELIVERED |
| 130 | FS   | EVONIK METHIONINE PROJECT / FLARE STACK 50M               | VOPAK TERMINAL SINGAPORE LTD          | ISHII IRON WORKS / NINAO          | SINGAPORE | CHEMICAL PLANT   | 2013 | ENG., PROC., & FABRICATION | DELIVERED |
| 131 | LNG  | SICHUAN TONGKAI / HEAD PLATES                             | SICHUAN TONGKAI LNG                   | NIKKISO                           | CHINA     | LNG TERMINAL     | 2013 | ENG., PROC., & FABRICATION | DELIVERED |
| 132 | DT   | ERC PROJECT / STACK & DUCT 600 ton for BOILER             | EGYPTIAN REFINERY CO / REFINERY PLANT | BAB-COCK HITACHI                  | EGYPT     | REFINERY         | 2013 | ENG., PROC., & FABRICATION | DELIVERED |
| 133 | LNG  | NEPTUNE PROJECT / SUCTION POTS                            | NANTHONG OFFSHORE                     | NIKKISO                           | CHINA     | CHEMICAL PLANT   | 2013 | ENG., PROC., & FABRICATION | DELIVERED |
| 134 | LNG  | CRYOGENIC FARM PROJECT / HEAD PLATES                      | FUJIAN CRYOGENIC                      | NIKKISO                           | CHINA     | LNG TERMINAL     | 2014 | ENG., PROC., & FABRICATION | DELIVERED |
| 135 | LNG  | TANGSHAN LNG PROJECT / HEAD PLATES                        | PETRO CHINA                           | NIKKISO                           | CHINA     | LNG TERMINAL     | 2014 | ENG., PROC., & FABRICATION | DELIVERED |
| 136 | STAK | ERC PROJECT / BOILER STEEL STRUCTURE & FLUE GAS STACK 65M | ERC REFINERY PROJECT                  | BAB-COCK HITACHI                  | EGYPT     | REFINERY         | 2015 | ENG., PROC., & FABRICATION | DELIVERED |
| 137 | LNG  | JAMNAGAR CRYOGENIC PROJECT / HEAD PLATES                  | JAMNAGAR INDIA                        | NIKKISO                           | INDIA     | LNG TERMINAL     | 2014 | ENG., PROC., & FABRICATION | DELIVERED |



**PT. HANAZONO Engineering Indonesia**

We are always partner with you

## MAJOR EXPERIENCE LIST

| NO. | CAT  | PROJECT NAME / DESCRIPTION                 | OWNER                        | CUSTOMER        | COUNTRY   | PLANT          | YEAR | SERVICE TYPE               | REMARKS   |
|-----|------|--------------------------------------------|------------------------------|-----------------|-----------|----------------|------|----------------------------|-----------|
| 138 | LNG  | POSCO PROJECT / SUCTION POTS & HEAD PLATES | POSCO KOREA                  | NIKKISO         | KOREA     | LNG TERMINAL   | 2014 | ENG., PROC., & FABRICATION | DELIVERED |
| 139 | FSRU | GOLAR PROJECT / SUCTION POTS               | DAEWOO SHI                   | NIKKISO         | KOREA     | LNG TERMINAL   | 2014 | ENG., PROC., & FABRICATION | DELIVERED |
| 140 | TK   | JGC COAL FILTER PROJECT / TANK             | JGC CORPORATION              | JGC INDONESIA   | INDONESIA | DEMO PROJECT   | 2014 | ENG., PROC., & FABRICATION | DELIVERED |
| 141 | LNG  | FUJIAN TIAN HUI PROJECT / HEAD PLATES      | FUJIAN CRYOGENIC             | NIKKISO         | CHINA     | LNG TERMINAL   | 2014 | ENG., PROC., & FABRICATION | DELIVERED |
| 142 | LNG  | CHONGQING PROJECT / HEAD PLATES            | SAISAN & SHENZEN GAS         | NIKKISO         | CHINA     | LNG TERMINAL   | 2014 | ENG., PROC., & FABRICATION | DELIVERED |
| 143 | LNG  | SHENZEN GAS PROJECT / HEAD PLATES          | SHENZEN GAS                  | NIKKISO         | CHINA     | LNG TERMINAL   | 2014 | ENG., PROC., & FABRICATION | DELIVERED |
| 144 | LNG  | EXMAR PROJECT / HEAD PLATES                | EXMAR INDIA                  | NIKKISO         | INDIA     | LNG TERMINAL   | 2014 | ENG., PROC., & FABRICATION | DELIVERED |
| 145 | LNG  | XINGHE JINCHENG PROJECT / HEAD PLATES      | XINGHE JINCHENG              | NIKKISO         | CHINA     | LNG TERMINAL   | 2014 | ENG., PROC., & FABRICATION | DELIVERED |
| 146 | LNG  | SHENZEN GAS PROJECT / HEAD PLATES          | SHENZEN GAS                  | NIKKISO         | CHINA     | LNG TERMINAL   | 2014 | ENG., PROC., & FABRICATION | DELIVERED |
| 147 | TK   | IB PHASE-II / TANK                         | KAO CHEMICAL                 | JFE ENGINEERING | INDONESIA | CHEMICAL PLANT | 2014 | ENG., PROC., & FABRICATION | DELIVERED |
| 148 | LNG  | GNL DEL PLATA PROJECT / HEAD PLATES        | GNLS                         | NIKKISO         | URUGUAY   | LNG TERMINAL   | 2014 | ENG., PROC., & FABRICATION | DELIVERED |
| 149 | FSRU | DSME PROJECT / SUCTION POT                 | DAEWOO SHI                   | NIKKISO         | KOREA     | FSRU           | 2014 | ENG., PROC., & FABRICATION | DELIVERED |
| 150 | FSRU | GOLAR PROJECT / HEAD PLATES                | DAEWOO SHI                   | NIKKISO         | KOREA     | FSRU           | 2014 | ENG., PROC., & FABRICATION | DELIVERED |
| 151 | LNG  | YUANBA PEAK-SHAVING PROJECT / HEAD PLATES  | YUANBA GAS FIELD NATURAL GAS | NIKKISO         | CHINA     | LNG TERMINAL   | 2014 | ENG., PROC., & FABRICATION | DELIVERED |
| 152 | FSRU | PETRONAS-JRU PROJECT / HEAD PLATES         | PETRONAS MALAYSIA            | NIKKISO         | MALAYSIA  | FPSO           | 2014 | ENG., PROC., & FABRICATION | DELIVERED |
| 153 | PV   | NS1 PROJECT / S&T HEAT EXCHANGER           | NIPPON SHOKUBAI              | NIPPON SHOKUBAI | INDONESIA | CHEMICAL PLANT | 2014 | ENG., PROC., & FABRICATION | DELIVERED |



**PT. HANAZONO Engineering Indonesia**

We are always partner with you

## MAJOR EXPERIENCE LIST

| NO. | CAT  | PROJECT NAME / DESCRIPTION                         | OWNER                     | CUSTOMER            | COUNTRY   | PLANT          | YEAR | SERVICE TYPE               | REMARKS   |
|-----|------|----------------------------------------------------|---------------------------|---------------------|-----------|----------------|------|----------------------------|-----------|
| 154 | LNG  | FENG ZHEN PROJECT / HEAD PLATES                    | FENG ZHEN WANJIE          | NIKKISO             | CHINA     | LNG TERMINAL   | 2014 | ENG., PROC., & FABRICATION | DELIVERED |
| 155 | FD   | MATINDOK GAS PROJECT / FILTERED DRUMS              | PERTAMINA                 | FUJI FILTER MFG     | INDONESIA | GAS PROJECT    | 2014 | ENG., PROC., & FABRICATION | DELIVERED |
| 156 | PV   | NS1 PROJECT / S&T HEAT EXCHANGER                   | NIPPON SHOKUBAI           | NIPPON SHOKUBAI     | INDONESIA | CHEMICAL PLANT | 2015 | ENG., PROC., & FABRICATION | DELIVERED |
| 157 | LNG  | DAHEJ EXPANSION PROJECT / HEAD PLATES              | PETRONET LNG LIMITED      | NIKKISO             | INDIA     | LNG TERMINAL   | 2015 | ENG., PROC., & FABRICATION | DELIVERED |
| 158 | LNG  | BORYEONG LNG PROJECT / SUCTION POTS & HEAD PLATES  | SK ENGINEERING COMPANY    | NIKKISO             | KOREA     | LNG TERMINAL   | 2015 | ENG., PROC., & FABRICATION | DELIVERED |
| 159 | LNG  | MUNDRA LNG PROJECT / HEAD PLATES                   | GSPC INDIA                | NIKKISO             | INDIA     | LNG TERMINAL   | 2015 | ENG., PROC., & FABRICATION | DELIVERED |
| 160 | STAK | BOILER PROJECT / STACK 50M                         | MHPSE PAKISTAN            | BAB-COCK HITACHI    | PAKISTAN  | CHEMICAL PLANT | 2015 | ENG., PROC., & FABRICATION | DELIVERED |
| 161 | ST   | ELLEAIR PROJECT / CYCLONE                          | ELLEAIR INTERNATIONAL     | TSUBACO INDONESIA   | INDONESIA | CHEMICAL PLANT | 2015 | ENG., PROC., & FABRICATION | DELIVERED |
| 162 | LNG  | DAHEJ STORAGE FACILITY PROJECT / SUCTION POTS      | RELIANCE INDUSTRIES LTD   | NIKKISO             | INDIA     | LNG TERMINAL   | 2015 | ENG., PROC., & FABRICATION | DELIVERED |
| 163 | TK   | NS1 PROJECT / TANK                                 | NIPPON SHOKUBAI           | NIPPON SHOKUBAI     | INDONESIA | CHEMICAL PLANT | 2015 | ENG., PROC., & FABRICATION | DELIVERED |
| 164 | LNG  | SINGAPORE LNG PROJECT / SUCTION POTS & HEAD PLATES | SINGAPORE LNG CORPORATION | NIKKISO             | SINGAPORE | LNG TERMINAL   | 2015 | ENG., PROC., & FABRICATION | DELIVERED |
| 165 | TK   | JSGI CGL PROJECT / TANK                            | JFE STEEL GALVANIZING     | TSUBACO INDONESIA   | INDONESIA | CHEMICAL PLANT | 2015 | ENG., PROC., & FABRICATION | DELIVERED |
| 166 | TK   | JSGI CGL PROJECT / SQUARE TANK                     | JFE STEEL GALVANIZING     | TSUBACO INDONESIA   | INDONESIA | CHEMICAL PLANT | 2015 | ENG., PROC., & FABRICATION | DELIVERED |
| 167 | PV   | BLOCK-A PROJECT / PRESSURE VESSEL                  | MEDCO                     | JGC INDONESIA       | INDONESIA | GAS PLANT      | 2016 | ENG., PROC., & FABRICATION | DELIVERED |
| 168 | LNG  | INCHEON LNG / SUCTION POT                          | KOREAN LNG                | EBARA INTERNATIONAL | KOREA     | LNG TERMINAL   | 2016 | ENG., PROC., & FABRICATION | DELIVERED |
| 169 | LNG  | BORYEONG LNG PROJECT / SUCTION POT                 | SK ENGINEERING COMPANY    | NIKKISO             | KOREA     | LNG TERMINAL   | 2017 | ENG., PROC., & FABRICATION | DELIVERED |





**PT. HANAZONO Engineering Indonesia**

We are always partner with you

## MAJOR EXPERIENCE LIST

| NO. | CAT  | PROJECT NAME / DESCRIPTION                             | OWNER                               | CUSTOMER                          | COUNTRY   | PLANT          | YEAR | SERVICE TYPE               | REMARKS   |
|-----|------|--------------------------------------------------------|-------------------------------------|-----------------------------------|-----------|----------------|------|----------------------------|-----------|
| 170 | LNG  | ZHEJIANG ZHOUSHAN LNG / SUCTION POT                    | XINDI ENERGY ENGINEERING TECHNOLOGY | NIKKISO                           | CHINA     | LNG TERMINAL   | 2017 | ENG., PROC., & FABRICATION | DELIVERED |
| 171 | LNG  | BORYEONG LNG PROJECT / HEAD PLATE                      | SK ENGINEERING COMPANY              | NIKKISO                           | KOREA     | LNG TERMINAL   | 2017 | ENG., PROC., & FABRICATION | DELIVERED |
| 172 | LNG  | COSTA NORTE LNG / SUCTION POT & HEAD PLATES            | POSCO ENGINEERING                   | NIKKISO                           | PANAMA    | LNG TERMINAL   | 2017 | ENG., PROC., & FABRICATION | DELIVERED |
| 173 | PLLD | BLOCK-A PROJECT / PLATFORM AND LADDER 180 TON          | MEDCO MALAKA                        | JGC INDONESIA                     | INDONESIA | GAS PLANT      | 2017 | ENG., PROC., & FABRICATION | DELIVERED |
| 174 | ST   | KRAKATAU OSAKA / MISC.FABRICATION                      | KRAKATAU OSAKA                      | STEEL PLANTEC                     | INDONESIA | STEEL PLANT    | 2018 | ENG., PROC., & FABRICATION | DELIVERED |
| 175 | PLLD | BLUE SKY PROJECT CILACAP / PLATFORM AND LADDER 220 TON | PERTAMINA                           | JGC INDONESIA                     | INDONESIA | REFINERY PLANT | 2018 | ENG., PROC., & FABRICATION | DELIVERED |
| 176 | DT   | SRI PROJECT / CHANDRA ASRI - DUCT 300 ton              | MICHERIN                            | TOYO ENGINEERING / IKPT           | INDONESIA | CHEMICAL       | 2018 | ENG., PROC., & FABRICATION | DELIVERED |
| 177 | PLLD | SRI PROJECT CHANDRA ASRI / PLATFORM AND LADDER 50 TON  | MICHERIN                            | TOYO ENGINEERING / IKPT           | INDONESIA | CHEMICAL       | 2018 | ENG., PROC., & FABRICATION | DELIVERED |
| 178 | FSRU | HYUNDAI / FSRU                                         | HYUNDAI HEAVY INDUSTRY              | NIKKISO                           | KOREA     | FSRU           | 2017 | ENG., PROC., & FABRICATION | DELIVERED |
| 179 | PV   | FORMUSA PLASTIC USA / AGITATOR DRUM                    | FORMUSA PLASTIC USA                 | FORMUSA PLASTIC USA - SATAKE      | USA       | CHEMICAL       | 2019 | ENG., PROC., & FABRICATION | DELIVERED |
| 180 | SIL  | CENTRAL JAVA COAL POWER PLANT / SILENCER ( PAF & FDF ) | J-POWER & SUMITOMO                  | MHPS                              | INDONESIA | POWER PLANT    | 2019 | ENG., PROC., & FABRICATION | DELIVERED |
| 181 | ST   | SRI PROJECT CHANDRA ASRI / MISC.FABRICATION            | MICHERIN                            | SRI                               | INDONESIA | CHEMICAL       | 2018 | ENG., PROC., & FABRICATION | DELIVERED |
| 182 | FD   | IKL BANGLADESH PROJECT / FILTERED DRUM                 | ISTANA KARAUT LAUT                  | FUJI FILTER MFG                   | BANGLADEH | CHEMICAL       | 2019 | ENG., PROC., & FABRICATION | DELIVERED |
| 183 | MR   | PT. MITSUBISHI / GAS BURNER & PIPING                   | PT. MITSUBISHI CHEMICAL INDONESIA   | PT. MITSUBISHI CHEMICAL INDONESIA | INDONESIA | CHEMICAL       | 2019 | ENG., PROC., & FABRICATION | DELIVERED |
| 184 | PV   | PT. MITSUBISHI / INTERCOLLER CONDENSATE VESSEL         | PT. MITSUBISHI CHEMICAL INDONESIA   | PT. MITSUBISHI CHEMICAL INDONESIA | INDONESIA | CHEMICAL       | 2019 | ENG., PROC., & FABRICATION | DELIVERED |



**PT. HANAZONO Engineering Indonesia**

We are always partner with you

## MAJOR EXPERIENCE LIST

| NO. | CAT   | PROJECT NAME / DESCRIPTION                                                                        | OWNER                             | CUSTOMER                          | COUNTRY   | PLANT          | YEAR       | SERVICE TYPE               | REMARKS   |
|-----|-------|---------------------------------------------------------------------------------------------------|-----------------------------------|-----------------------------------|-----------|----------------|------------|----------------------------|-----------|
| 185 | DT    | BALIKPAPAN -RDMP PJ / RFCC FLUE GAS LINE with REFRACTORY ( Steel 1200 ton, Refractory 1530 ton)   | PT. RERTAMINA                     | JO ( HEC & SKEC )                 | INDONESIA | REFINERY       | 2020/21/22 | ENG., PROC., & FABRICATION | DELIVERED |
| 186 | DT    | BALIKPAPAN -RDMP PJ / RFCC FLUE GAS LINE ( Stainless steel 304H / 480 ton )                       | PT. RERTAMINA                     | JO ( HEC & SKEC )                 | INDONESIA | REFINERY       | 2020/2021  | ENG., PROC., & FABRICATION | DELIVERED |
| 187 | STACK | BALIKPAPAN -RDMP PJ / CO BOLIER BYPASS STACK with REFRACTORY (5.3 M/7.8 id x 89M Height ) 940 ton | PT. PERTAMINA                     | JO ( HEC & SKEC )                 | INDONESIA | REFINERY       | 2020/2021  | ENG., PROC., & FABRICATION | DELIVERED |
| 188 | STACK | BALIKPAPAN -RDMP PJ / FLUE GAS STACK with REFRACTORY (3M / 4M id x 70 M Height ) 160 ton          | PT. PERTAMINA                     | JO ( REKIND )                     | INDONESIA | REFINERY       | 2020/2021  | ENG., PROC., & FABRICATION | DELIVERED |
| 189 | DT    | JAMBARAN-TIUNG BIRU FIELD (JTB) / GAS DEVELOPMENT PROJECT, SULFURIC ACID UNIT ( FLUE GAS DUCT )   | PT. PERTAMINA                     | REKIND & JGC                      | INDONESIA | GAS            | 2020/2021  | ENG., PROC., & FABRICATION | DELIVERED |
| 190 | LNG   | BP TANGGUH LNG / C3 CONDENSER FOGGING SYSTEM / PRESSURE VESSEL                                    | PT. BP                            | PT.JGC                            | INDONESIA | LNG            | 2020       | ENG., PROC., & FABRICATION | DELIVERED |
| 191 | PV    | PT. MITSUBISHI CHEMICAL INDONESIA / MAINTENANCE / PRESSURE VESSEL 3 units                         | PT. MITSUBISHI CHEMICAL INDONESIA | PT. MITSUBISHI CHEMICAL INDONESIA | INDONESIA | CHEMICAL PLANT | 2020       | ENG., PROC., & FABRICATION | DELIVERED |
| 192 | SILO  | BALIKPAPAN -RDMP PJ / Solid Sulfur Silo (6M x 11 M Height ) 30 ton                                | PT. PERTAMINA                     | JO ( REKIND )                     | INDONESIA | REFINERY       | 2021       | ENG., PROC., & FABRICATION | DELIVERED |
| 194 | STACK | PT.SMELTING / SULPHURIC ACID PLANT ( 2M/4M ID x 90MH ) 140 ton / with Tune Mass Damper            | PT. SMELTING ( FREEPORT )         | PT.IKPT                           | INDONESIA | CHEMICAL PLANT | 2022       | ENG., PROC., & FABRICATION | DELIVERED |