Pre - Qualification

Purpose & Passion
Elyon Industry Co., Ltd.

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- Elyon is…
- General Info
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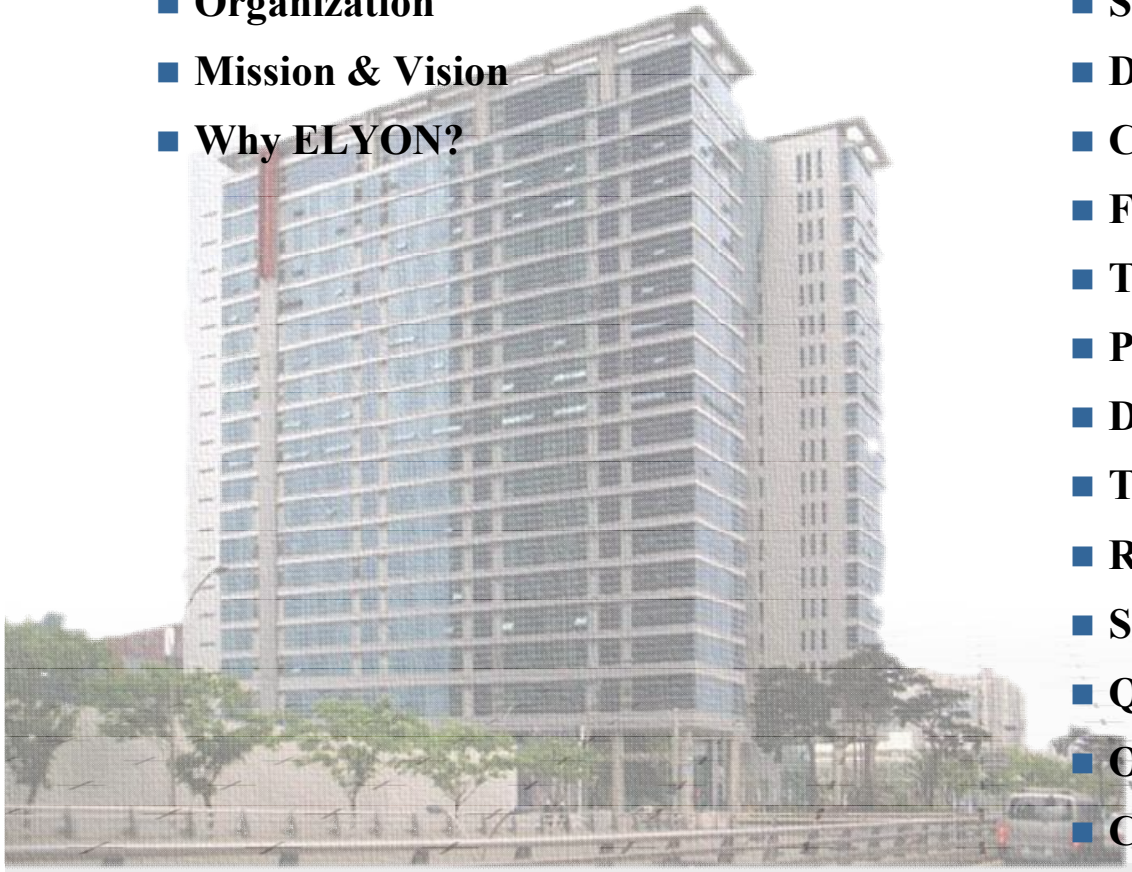
- Why ELYON?



Products

- Carbon Steel Tube & Pipe
- Alloy Steel Tube & Pipe
- Stainless Steel Tube & Pipe
- Duplex Tube & Pipe
- Copper, Copper Alloy Tube & Pipe
- Fin Tube, U-Bending Tube
- Tube Sheet, Baffle Plate, Support Plate
- Plate for Pressure Vessel
- Dished Head Plate
- Tower Internal
- Reactor Internal
- Seperation System
- Quick Opening Closure
- Other Components for Tube & Pipe
- Certificate & Reference List

Overview

Elyon is…

- all about metal products.
- was established in 2007 years
- focus on overseas sales & marketing
- a member of B2G Club

General Info

Company Name	Elyon Industry Co., Ltd.
CEO	Tony Jung
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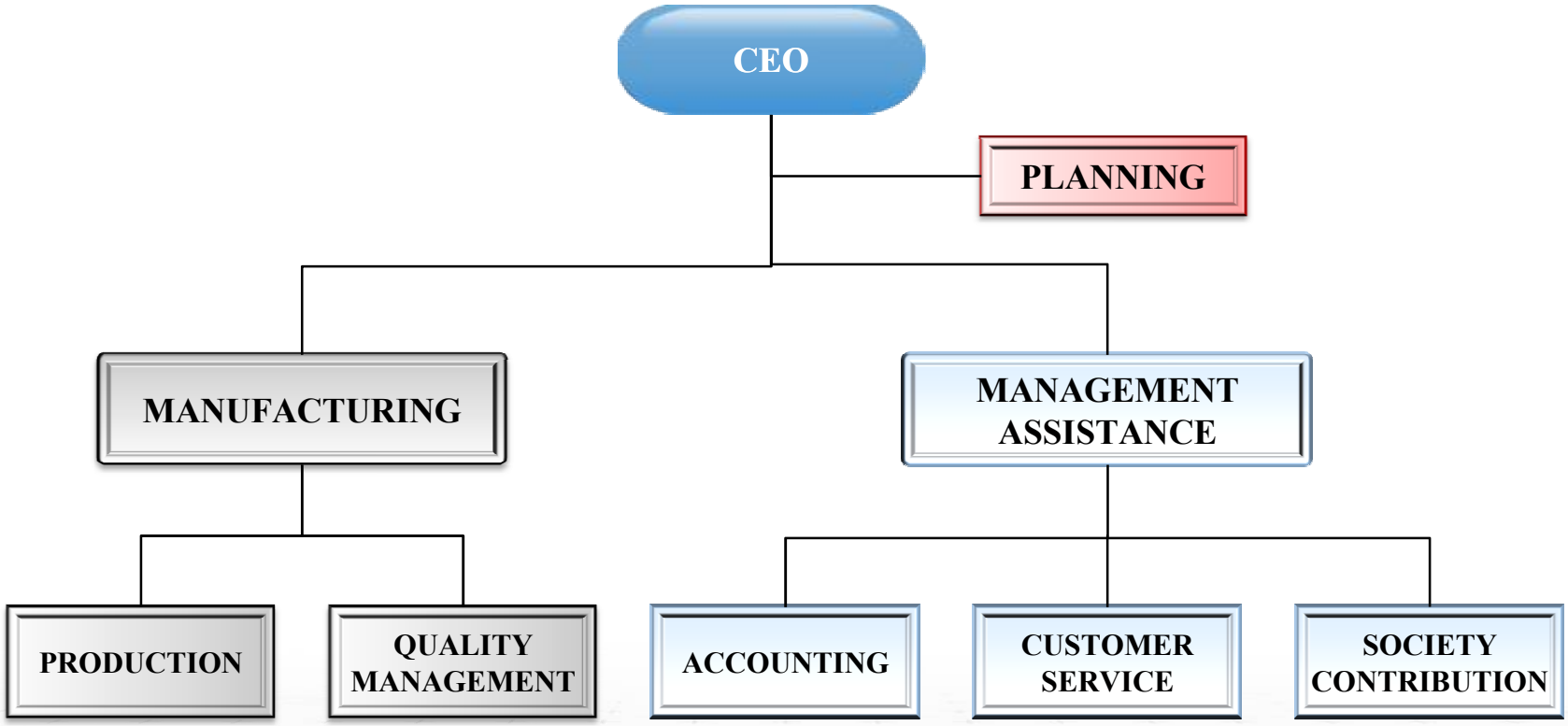
Overview

Organization



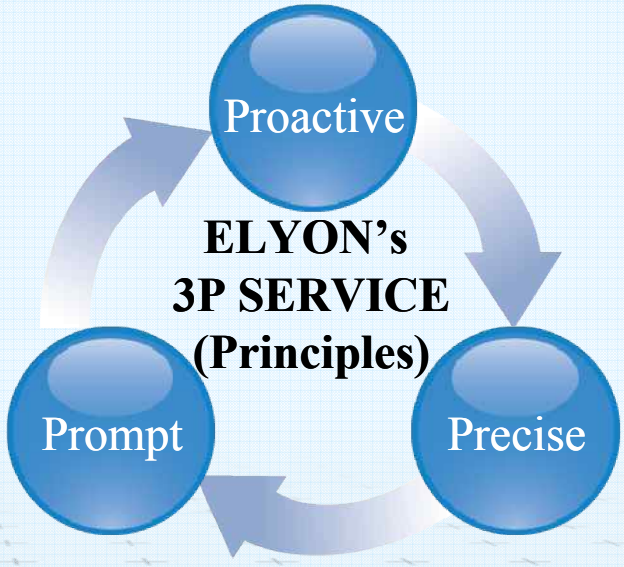
Overview

Mission & Vision

To Be a Stepping Stone for Customer

Our Spirit

- **Purpose**
- **Passion**



Why Elyon?

E fficient Products Line & Effective in Cost Saving

- As the control tower of collaboration manufacturing group, we can supply tube/carbon, alloy, stainless, copper, brass, aluminum tube/pipe products at a time.

L ead Time

- Our soonest delivery will help customers when they need products urgently.

‘Y es, we can do it’ Spirit

- To be our customers’ stepping stone, we always serve them with our utmost and we can give solutions to our customers who have a difficulty in finding directions.

O utstandingly Small MOQ

- To support our customers, we proceed orders with a very small MOQ.

N icely Quick Response & Network

- Customers can expect our answer within 24hours. And they will find exact products they require by taking advantages of our broaden network.

Products

CARBON STEEL TUBE & PIPE

- MATERIAL
  - SA / A179, SA/A192, SA/A210 (A-1, C), SA/ A53 (TYPE S SEAMLESS A, B)
  - SA/A106 (A,B,C), API (J55, N80, L80)

- STANDARD
  - ASME/ASTM : SA / A179, SA/A192, SA/A210, SA/A53, SA/A106
  - JIS : G3454, G3456, G3461, G3458
  - DIN : 1628, 17175
  - BS : 3601, 3602, 3059
  - API : API 5L, API 5CT

- OCTG

Method		OD (Inch)	W.T (Inch)	Standard
Tubing	SEAMLESS	2 3/8 ~ 4 1/2	0.179 ~0.476	J55, K55, L80, C90, C95, P110
Casing		4 1/2 ~7	0.205~0.875	

Products

☐ CARBON STEEL TUBE & PIPE (Con.)

■ LINE PIPE

Standard / Grade		API 5L GRADE B / X42 / X46 / X52/ X60 / X65 / X70 / X 80
Main Size	OD	21.3 MM ~ 304.8 MM (NPS 1/2" ~ 16")
	LENGTH	6,401~18,288 MM (SRL / DRL / TRL)
Manufacturing Method		Hot Finished : NPS 2" and Above Cold Finished : Less Than NPS 2"
Delivery Option	End Finish	Plain - End Beveled, Plain - End Square Cut
	Coating	Putside Surface: Varnish Coated 3-LPE (FBE+Adhesive + PE) Inside Surface : PE

Products

☐ ALLOY STEEL TUBE & PIPE

■ MATERIAL

- SA/A213 - T2, T5, T5b, T5c, T9, T11, T12, T17, T21, T22, T23, T24, T91, T92
- SA/A334 - Gr.1, Gr.3, Gr.6, Gr.8, Gr.9, Gr.11
- SA/A333 - Gr.1, Gr.3, Gr.4, Gr.6, Gr.7, Gr.9, Gr.10, Gr.11
- SA/A335 - Grade P1, P2, P5, P5b, P5c, P9, P11, P12, P15, P21, P22, P23

■ STANDARD

- ASME/ASTM : SA/A213, SA/A334, SA/A333, SA/A335
- JIS : G3462, G3460, G3464, G3458
- DIN : 17175, 17173, 1.0437
- BS : 3059, 3603, 3604

Products

STAINLESS STEEL TUBE & PIPE

- MATERIAL
  - TP304 , TP304H, TP304L, TP310, TP316, TP316L, TP316N, TP317, TP317L, TP321,
  - TP347, TP347H
- STANDARD
  - ASME/ASTM : SA/A 312, SA/A213, SA/A269, SA/A511, SA/A789, SA/A790
  - JIS : 3463, 3459
  - DIN: 2462, 17458, 17456

DUPLEX TUBE & PIPE

- MATERIAL : S31803, S32205, S32750, S31254

NICKEL ALLOY TUBE & PIPE

- MATERIAL: N06600, N06625, N06690, N08800, N08825, N04400, N10276

Products

☐ COPPER, COPPER ALLOY TUBE & PIPE

- Copper : C1100, C1200, C1220
- Copper Nickel: C70600, C71500
- Aluminum Brass: C68700
- Admiralty Brass: C44300
- Brass: C2600, C2700, C2200

☐ FIN TUBE

- High FIN - L Type, G Type, LL Type, KL Type, Extruded, High Frequency Welded Type
- Low FIN & Middle FIN
- Special Type – Spiral FIN, Corrugated FIN

Products

☐U-BENDING TUBE & PIPE

☐HIGH FREQUENCY PIPE BENDING

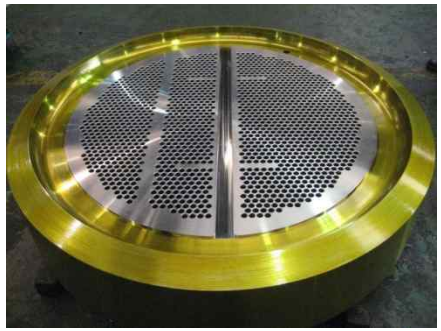
☐HEAVY WALL THICKNESS PIPE

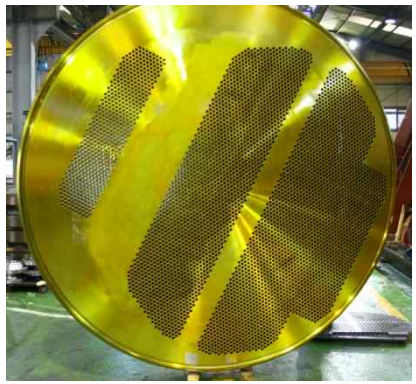
- **SIZE RANGE**: THK 12 ~ THK 100 MM
  ID 250 ~ 1520 MM
  LENGTH 2 ~ 12 METER

Products

TUBE SHEET, BAFFLE PLATE AND SUPPORT PLATE

- Copper Nickel : C70600, C71500
- Naval Brass: C4640, C4621
- Aluminum Bronze: C63000
- Brass: C2801
- Nickel Alloy, Inconel, Monel, Hastelloy, Nimonic, Invar, Kovar and Etc
- Carbon Steel, Alloy Steel
- Stainless Steel
- Cladding Material





Products

☐ PLATE FOR PRESSURE VESSEL

- Intermediated Temperature: SA/A515 Gr.50, Gr.60, Gr.65, Gr.70
  A204 Gr.A, Gr.B
  A285 Gr.A, Gr.B
- High Temperature: SA/A387 Gr.11 CL1, CL2
  SA/A387 Gr.12 CL1, CL2
- Low Temperature: SA/A516 Gr.55, Gr.60, Gr.65, Gr.70
  A537 Gr.1, Gr.2
- Extreme Low Temperature: 9% Nickel
- Stainless Steel: SUS304, SUS 316 etc.
- Duplex
- Titanium
- Cladding

Products

☐ DISHED HEAD PLATE

- Floating Head
- Channel Head

평경판 (Flanged Only Head Plate)	FH r ≥ 3t	반구형 경판 (Hemispherical H.P.)	HH R = 0.5D
접시형 경판 (Dished H.P.)	SD R = D r = 0.1D h = 0.194D	CAP	CA R = 0.9045D r = 0.1727D h = 1/4D
정반타원형 경판 (2:1 Semi Ellipsoidal H.P.)	ED R/r = 2:1 정타원형 h = 1/4D	지하 탱크용 경판 (H.P. for Under Ground Tank)	UD
근사타원형 경판 (Approximate 2:1 Semi Ellipsoidal H.P.)	AD R = 0.9045D r = 0.1727D h = 1/4D	Conical	CD
접시형 경판 (Flanged & Shallow Dished H.P.)	MD R ≥ D r ≤ 0.1D	Bell Mouth	BM R = 2160 r = 30 H = 165
깊은접시형 경판 (Deep Dished H.P.)	DD R = 0.8D r = 0.155D h = 0.255D	양저경판 (Flanged & Reverse Dished H.P.)	WD R ≥ D r ≤ 0.1D
플로팅 (Dished Only H.P.)	DR R/D ≥ 0.8	Expansion Joint	EX

Products

☐U-BENDING TUBE & PIPE

☐HIGH FREQUENCY PIPE BENDING

☐HEAVY WALL THICKNESS PIPE

- **SIZE RANGE**: THK 12 ~ THK 100 MM
  ID 250 ~ 1520 MM
  LENGTH 2 ~ 12 METER

☐FORGED PIPE / SHELL PIPE

- Size: OD 18 Inch ~
- Thickness : SCH40 ~
- Length: Max 12 Meter
- Available Material – Carbon / Alloy Inc.(F92)
  - Stainless Steel / Nickel Alloy / Titanium

Products

TOWER INTERNALS

- Packed Tower – Distriutor, Support Plate, Bed Limiter etc.
- Tray Tower – Sieve Tray, Valve Tray, Bubble Cap Tray, Baffle Tray, Dual Flow Tray etc
- Packing For Packed Tower – Pall Ring, Rasching Ring, Saddles, Cascade Mini Ring, Tellerette, Hei-Lex, Cross Ring, Structured Packing etc (Material : Metal, Plastic, Ceramic, Carbon, Alumina)

REACTOR INTERNALS

- Distributor Tray, Collector Tray
- Catalyst Support Grid, Scale Basket, Outlet Collector
- Catalyst Basket, Inlet Diffuser
- Strainer Nozzle
- Inert Ball (Ceramic Ball, Alumina Ball)

SEPARATION SYSTEM

- Crinkled Wire Mesh Type Mist Eliminator (Demister)
- Chevron Type Mist Eliminator
- Structured Type Mist Eliminator
- Inlet Gas Distribution Device

Products

☐ QUICK OPENING CLOSURE

☐ OTHER PARTS

- Bucket Strainer
- Spray Nozzle
- Air Filters
- Hexagonal Mesh
- Perorated Plate
- Wire Mesh (Stainless Steel, Monel, Titanium, Special Alloy, Plastic etc)
- Silencer
- Static Mixer
- Ferrules
- Vortex BreakerSteam Ejector

☐ FIELD SERVICE

- Installation Work For Tray, Packing & Reactor Internals

Products

☐ COPPER NICKEL FITTINGS

- MATERIALS - CUNI10 (C70600), CUNI30 (C71500)
- SPEC – ASTM, ASME, JIS, ANSI(Flanges), EEMUA and Etc
- TYPE - BUTT WELD FITTINGS
  - SOCKEL WELD FITTINGS
  - FLANGES
  - MACHININED FITTINGS

Products

☐ Other Components for Tube & Pipe

- Swage Nozzle
- Flow Meter
- Flange
- Stud Bolt & Nut
- Round Bar
- Valve
- Plug In
- Plug In Gasket
- Fittings
- Gasket

Products

☐ Certificates

Item	Certificate	ISO No.	Issued By
Copper & Copper Alloy Strip, Coil, Sheet/Plate	ISO 9001 : 2008 ISO/TS 16949 : 2009	NO : 16856/AA/0001/SM/En NO : 16856/A/0001/SM/En	URS URS
Stainless Steel Strip, Coil and Plate	ISO 9001 : 2008	NO : JK-14542	JAS-ANZ
Stainless & Steel Wire	ISO 9001 : 2008	NO : JK-15579	JAS-ANZ
Copper & Copper Alloy Tube/Pipe	ISO 9001 : 2009	NO : QMS-1042	KSA
Carbon Steel Tube/Pipe	ISO 14001 : 2004 ISO 9001 : 2008	NO : EMS-0068 NO : QMS-0124	MSR
Stainless Steel Tube	ISO 14001 : 2004 ISO 9001 : 2008	NO : EMS-0068 NO : QMS-0124	MSR
Flange, Fitting, Nozzle	ISO 9001 : 2008 ISO 9001 : 2008	NO : SEO 6003389	LRQA (Korea) Ltd. ABS Quality Evaluations, Inc

Project List

☐ Project List

No.	Project Name	Item	Job Site
1	Design & Supply one unit NGU2 Air Cooler Heat Exchanger for CUF PGB Gabeng	C71500 Tube	Malaysia
2	Maintenance for PETRONAS	A214 ERW Tube, A178 ERW Tube, A213 T11 SMLS Pipe	
3	Mitsubishi Heavy Industries Main Steam Condenser Tube Replacement by Petronas	C6872 TUBE	
4	Replacement of Air Cooler and Oil Cooler	SS BAFFLE & C1220 LOW FIN TUBE	
5	Oil Cooler Refurbish	C4640 Disc Plate	Thailand
6	HRSG Maintenance	SA312 T11 Tube	
7	Oil Cooler Refurbish	C68700 Tube	
8	PTTGC Fabrication Heat Exchanger	A179 Tube With Extruded Fin	
9	TPC Re-Tube Heat Exchanger	TUBE SHEETS, BAFFLE PLATE, SUPPORT PLATE, SHELL FLANGE, CHANNEL FLANGE, TEST RING, STA.PLUG SHEET, STA.TUBE SHEET, FLO. PLUG SHEET, FLO.TUBE SHEET, PARTITION PLATE, STIFFENER PLATE, END PLATE	
10	PTTGC Fabrication Heat Exchanger	A266 CL4 Channel Flange	
11	PTT TANK Terminal Pressure Vessel	SA537 CL2 PLATE FOR PRESSURE VESSEL BODY	
12	PTT TANK Terminal Pressure Vessel	SA537 CL2 2:1 ELLIPSOIDAL HEAD	
13	CHEVRON Maintenance	COPPER NICKEL 90/10 FITTINGS	
14	CHEVRON Maintenance	PIPE API5L GR.B SAW PIPE, CAP A234 WPB SMLS	
15	PTT H/E of E-2203	SA516 Gr.70 Expansion Joint	

Project List

Project List

No.	Project Name	Item	Job Site
16	Fabricate - O/N 6582	A179 Tube	Singapore
17	Fabricate - O/N 7398	A179 Tube With G Fin	
18	Fabricate - O/N 8071	C68700 Tube	
19	Fabricate - O/N 8087	A179 Tube	
20	Fabricate - O/N 9117	C68700 Tube & C7060 Tube & C6300 Disc Plate	
21	Fabricate - O/N 9716	A214 & A179 Tube	
22	Fabricate - O/N 9758	SB 395 C71500 U- Tube	
23	Fabricate - O/N 10372	A179 tube With LL Fin	
24	Rebuild of E-2516 Heat Exchanger Shell Bukom Singapore	SA105N Shell Flange, C63000 Tube Sheet, C46400 Baffle Plate, C 68700 Tube	
25	O/N 00021761	C70600 Tube	
26	O/N 00022438	STPG 410 SMLS Pipe	
27	O/N 00022735	C70600 Tube	
28	EXON MOBILE - O/N 6274 (Drawing No. E4111)	A105 With C4640 Clad	
29	HK JONKER & ZOON (Drawing No.E111)	A283 Gr. C	
30	ENGINERRS PTY Limited (Drawing No. E6804)	A179 Tube With G Fin	
31	Fabricate - O/N 7150	C4640 Disc Plate	
32	Fabricate - O/N 5588	A179 Tube With Extruded Fin	
33	Petron	C70600 Tube	Philippines
34	Del Monte	S45C Plate	

Project List

☐ Project List

No.	Project Name	Item	Job Site
35	Woodside Energy Pipe Spooling	STPG 370 E Tube	Australia
36	Shell Chemicals Seraya Flash Condensder	Girth Flange & Lap Joint	
37	O/N 3833, 3840	C46400 Tube Sheet	
38	O/N 3894	C46400 Tube Sheet	
39	O/N 3903	C2600 Tube	
40	O/N 1051	C1220 U-Bending Tube	
41	O/N 10350	C6300 Disc Plate	
42	O/N 1056	ASTM A179 SMLS U-Bending Tube	
43	O/N DUP 007870	C46400 Tube Sheet	China
44	O/N DUP 008340	C63000 Disc Plate	
45	O/N L029/IX/13	ASMT A312 304H SMLS Pipe	Indonesia
46	2500 MTPD Ammonia- 3500 MTPD Urea KALTIM 5 Project	SA 106 Gr. B Tube	
47	Components of Heat Exchanger for Kamatsu, Sakia, Yanmar, Kubota, Hino, Nissan Diesel	C1220 Tube, C2600 Tube	
48	Okuyahagi Plant Oil Cooler For Turbine Bearing	C4621 Naval Brass Disc	Japan
49	ADNOC Project	A213 ERW, A178 ERW Tube	UAE
50	Re-Tubing of Heat Exchanger U-Tube Bundle 166ME701 E01	A214 U-TUBE	
51	DESCON Project	C70600 Tube & Fittings	
52	O/N 28510	A234 WPB ELBOW	
53	O/N 29173	ASTM A182 F316L FLANGE	
54	Shiraz Oil Refining Co.	C4640 Naval Brass Disc	Iran
55	Kashan Wire Nets Industrial Co.	SA179 TUBE	

Project List

☐ Project List

No.	Project Name	Item	Job Site
56	O/N PKA-TU-2015-101	SA179 TUBE	Iran
57	87/2015	C44300 TUBE	Jordan
58	O/N 4200004112	C70600 Fittings	France
59	O/N 4200004200	C70600 Fittings	
60	TSF/EIC/1214-REV-1	CRIMPED FIN TUBE	Pakistan
61	TSF/EIC/1224	A105N SEMI FINISHED PLATE	
62	HMW-DEL FZE 4500041266	SA335 P22 PIPE	
63	ARL 11712-R	DEMISTER	
64	UNI / PUR /2016/02420	C46400 PLATE	India
65	NBO	A312 Tube	Korea
66	FCC	A335 Tube	
67	GORGON	A312 Tube	
68	NEXLEN E	A312 Tube	
69	NO.4. MD U	A312 & A335 Tube	
70	5NA	A312 Tube	
71	SNG	A312 Tube	
72	VGO FCC	A312 Tube	
73	SKN 3,4 (Shin-Kori Nuclear Energy)	A312 Tube	
74	HDO #2HOU	A312 Tube	

You are our Purpose.
We are Passion itself.

NOW is the time for you to try our Passion