

The explosion proof equipment solution

WOOJOO M & E PROFILE



Contents

1 Company Profile

- 1.1 Company Introduction
- 1.2 Company Overview
- 1.3 Head Office / Overseas Agency
- 1.4 Company History
- 1.5 Organization

2 Quality Management

- 2.1 HSE(Health, Safety and Environment)
- 2.2 Quality Assurance Program
- 2.3 Quality Assurance System Certificates
- 2.4 Explosion Proof / Ingress Protection Certificates

3 Facilities

- 3.1 Test & Inspection Facilities

4 Products

- 4.1 Ex 'e' Enclosure (WIN700s)
- 4.2 Ex 'e' Junction Boxes(WIN700s)
 - 4.2.1 Ex 'e' Cable gland & Stopping plug
 - 4.2.2 Ground & Earth
- 4.3 Ex 'e' Breather Drain (BD25)
- 4.4 Ex 'e' Junction Boxes (BON500s)
- 4.5 Ex 'de' Signaling Device (SD16s)
- 4.6 Ex 'e' Pressure Gauge Board (PGB700s)
- 4.7 Telephone Booth (ATB300s)

5 Service Program

- 5.1 IECEX Service Facility

6 Total package supply Solution

7 Reference List

- 7.1 Vessel Types & Equipment Supply
- 7.2 Vessel Types & Performance Project
- 7.3 Project Owner List

1. Company Profile

1.1 Company Introduction

- We, **WOOJOO** was established in 1999 and acquired domestic and international certificates about Explosion Proof Equipment through challenging and ceaseless research and development. Additionally, we acquired ISO 9001:2008, ISO 14001:2007, OHSAS 18001:2004 and IECEX Service Facility.

We are managing company operating system based on ISO System and are enjoying an active business with an aim of a creation and innovation - a company's future vision to maximize customer satisfaction.

We also strengthen quality, price, lead time competitiveness to create a synergy effect which a customer acknowledge. We will be solidifying our position as an internationally specialized Company in Explosion Proof Equipment through a relentless R&D.



Head Office & 1st Factory



2nd Factory

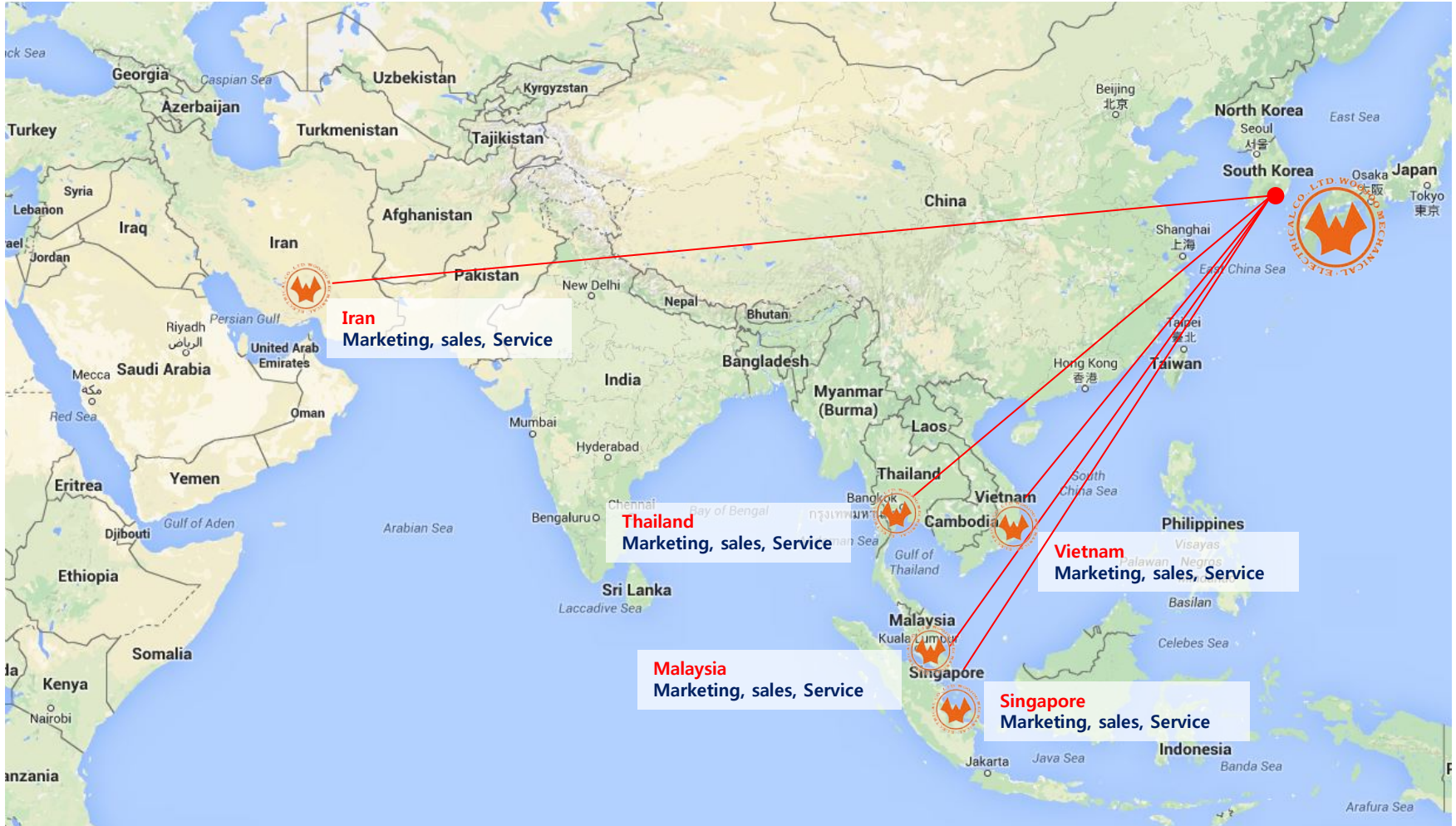
1. Company Profile

1.2 Company Overview

| | | | |
|---------------------------------------|--|-------|-----------------|
| Company Name | WOOJOO M & E CO., LTD. | | |
| President | Mr. Chi-Hyung, Ko | | |
| Main Products | Explosion Proof Junction Boxes Explosion Proof Signaling Devices and etc. Explosion Proof Enclosure & Distribution Board | | |
| Head Office & 1 st Factory | #31 53byeon-gil dasan-ro saha-gu, busan, korea / Gross Area : 3,970m ² | | |
| 2 st Factory | #14 300byeon-gil dadae-ro saha-gu, busan, korea / Gross Area : 1,980m ² | | |
| Overseas Agency | Malaysia, Vietnam, Singapore, Thailand, Iran | | |
| Employee | Head Office & 1 st Factory : 45 Persons / 2 st Factory : 10 Persons명 | | |
| Management Ideology | Build up Innovative & Creative Culture Corporate ! | | |
| Tel No. | +82-51-200-9114 | F A X | +82-51-200-9119 |
| E-mail | sales@wjme.com | W E B | www.wjme.com |

1. Company Profile

1.3 Head Office / Overseas Agency



1. Company Profile

1.4 Company History

1999

- Established WOOJOO M & E

2004

- Opened The Outfitting Factory

2006

- Acquired ISO9001:2000

2007

- Founded WOOJOO M & E Co., Ltd.
- Selected INNOBIZS Company by SMBA
- Selected VENTURE Company by KTF

2009

- ISO9001:2008 Review

2010

- Acquired Q-Mark Certificate by Samsung Heavy Industry(Gold)

2012

- Established R&D Center
- Extended and Relocated Head Office and Factory
- Designated As Military Manpower Enterprise
- Industry-Academy Cooperation with Dong-A University

2013

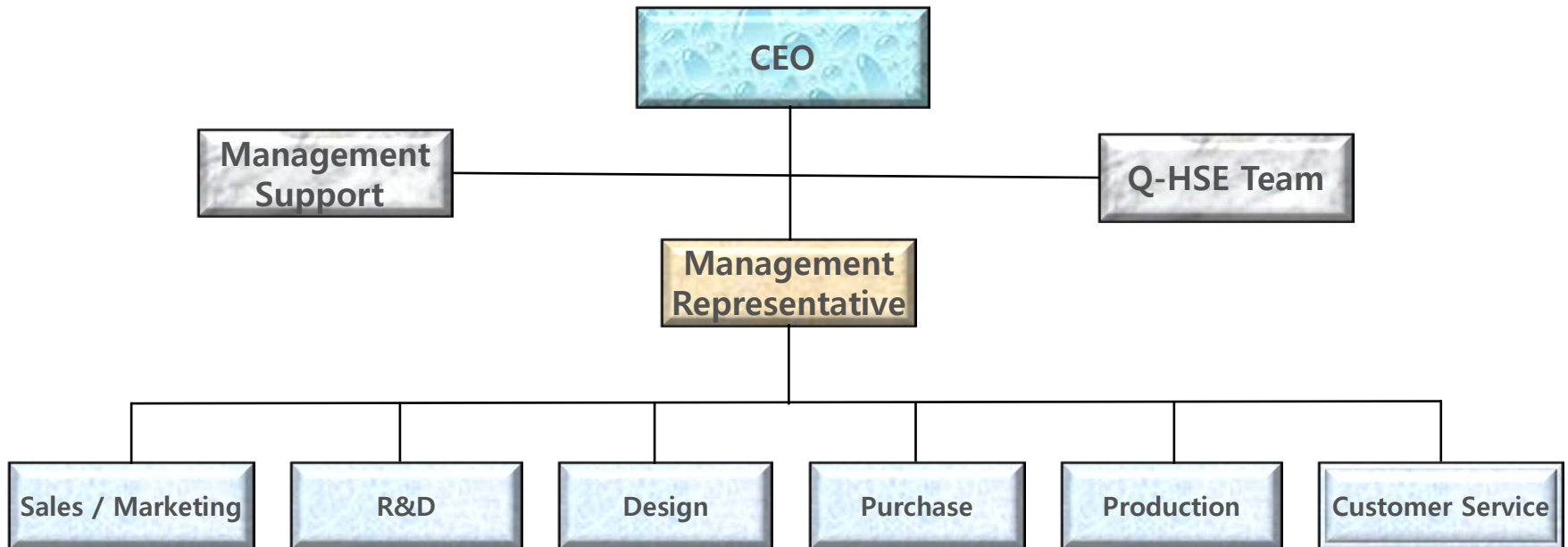
- Employment Excellent Company Award by Busan City
- Outstanding Businessman Award by Busan City
- Leading Employer Award by Busan
- Acquired ISO 14001:2004
- Acquired OHSAS 18001:2007
- Acquired IECEX Service Facility

2014

- Employment Stability Award by Busan City
- 15th Anniversary Of Company Establishment
- Established Malaysia Agency
- Established Vietnam Agency

1. Company Profile

1.5 Organization



2. Quality Management

2.1 HSE (Health, Safety and Environment)

HSE Term

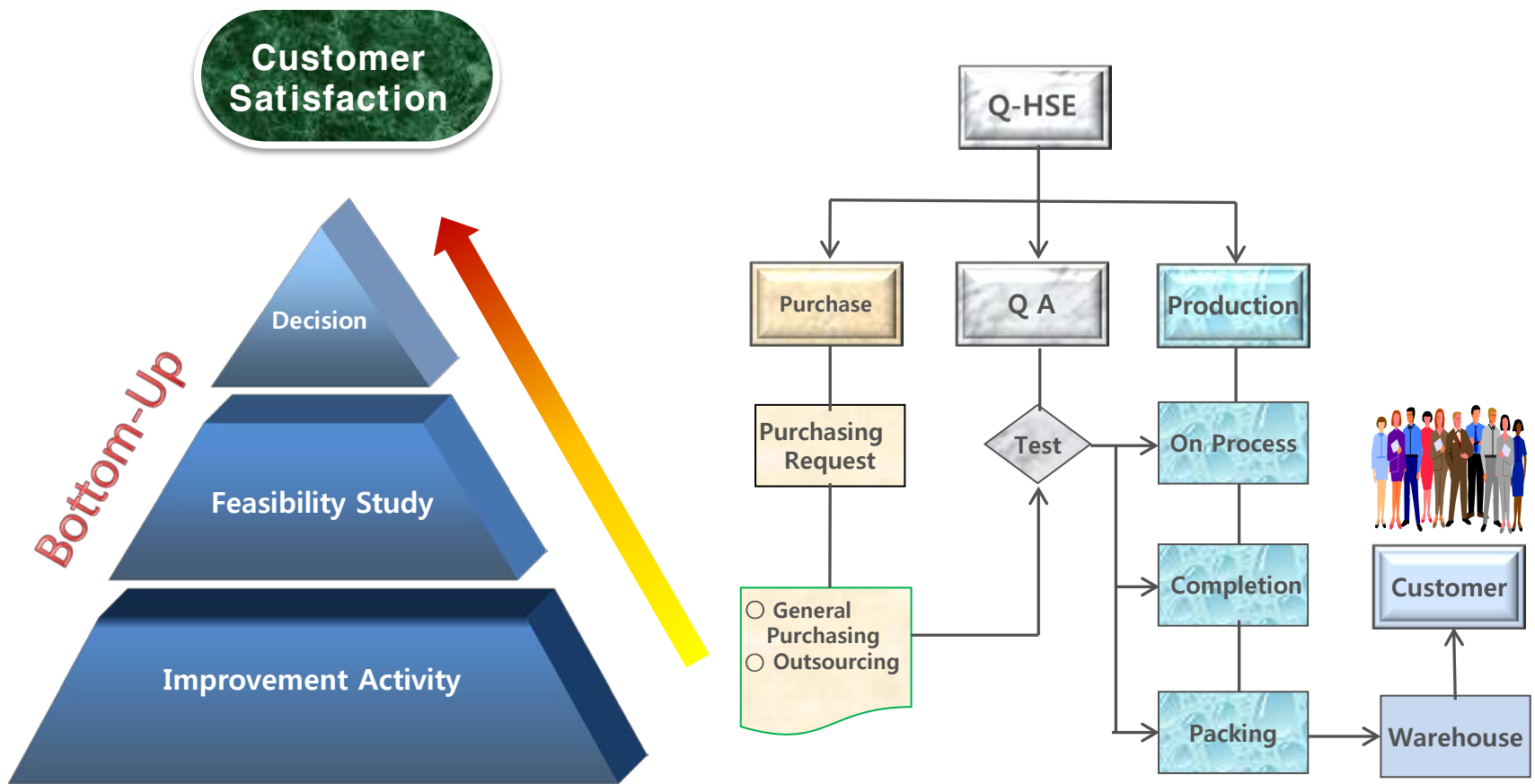
Disease-Free • Accident-Free • Pollution-Free

HSE Policy

- International/Domestic HSE Standard Compliance
- Health-Best Corporate Culture
- Human-Centeredness Product Design
- Eco-Friendly Product Design and Production
- Resource Saving And Recycle

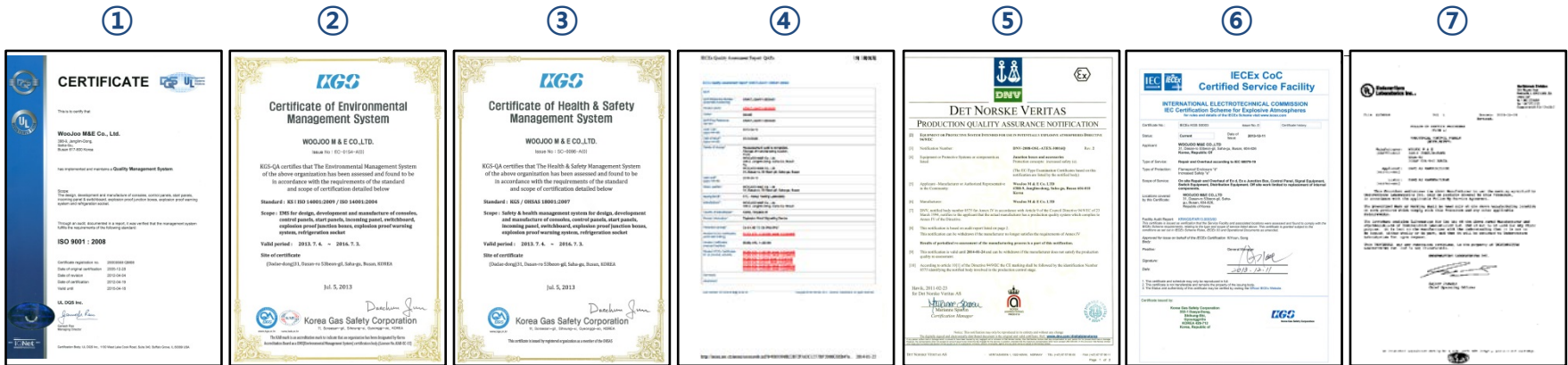
2. Quality Management

2.2 Quality Assurance Program



2. Quality Management















2.3 Quality Assurance System Certificates



| Standard | Title |
|--------------------------|-------------------------------------|
| ① ISO 9001:2008 | Quality management system |
| ② ISO 14001:2007 | Environment management system |
| ③ OHSAS 18001:2004 | Health & Safety management system |
| ④ IECEx QAR | Quality assessment Report |
| ⑤ ATEX QAN | Quality assurance Notification |
| ⑥ IECEx Service facility | Repair and Overhaul |
| ⑦ UL ICP508A | Industrial Control panel production |

2. Quality Management

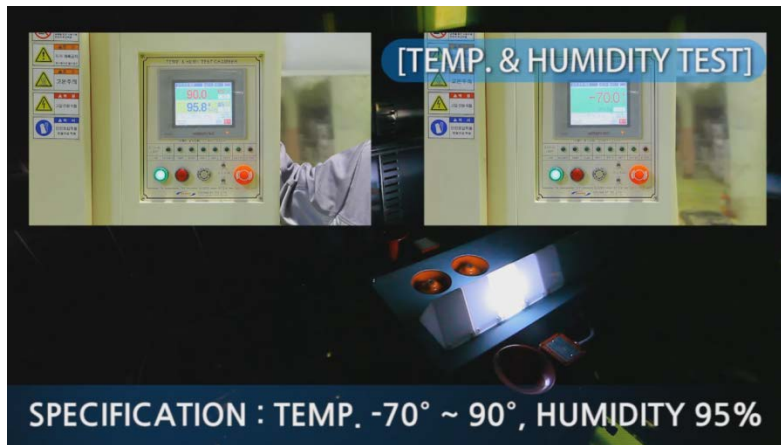
2.4 Explosion Proof / Ingress Protection Certificates

| Item | Model | Exp, Grade | IP Grade | Certificate |
|-----------------------------|----------------|-------------------------|----------|---|
| ① Junction box | ACE2000 Series | Ex e II | IP66 |  |
| ② Junction box | WIN700 Series | Ex e IIC , Ex tD A21 | IP66/67 |  |
| ③ Junction box | BON500 Series | Ex e IIC , Ex tD IIIC | IP66 |  |
| ④ Junction box | JBE Series | Ex d IIB | IP66 |  |
| ⑤ Breather Drain | BD25 | Ex e II | IP66 |  |
| ⑥ Sounder with beacon light | SL16 | Ex de IIB , Ex tD IIIC | IP66 |  |
| ⑦ Sounder | S16 | Ex de IIB , Ex tD IIIC | IP66 |  |
| ⑧ Double sounder | SS16 | Ex de IIB , Ex tD IIIC | IP66 |  |
| ⑨ Beacon light | L16 | Ex de IIB , Ex tD IIIC | IP66/67 |  |
| ⑩ Double Beacon light | LL16 | Ex de IIB , Ex tD IIIC | IP66/67 |  |
| ⑪ Light signal column | SC-31 | Ex d IIB+H ₂ | IP66 |  |
| ⑫ Alarm bell | EXBL-001 | Ex d IIC | IP66 |  |
| ⑬ Solenoid valve | EXSV0105 | Ex de IIB | IP66 |  |
| ⑭ Limit switch | LSE3603 | Ex d IIC | IP66 |  |

3. Facilities

3.1 Test & Inspection Facilities

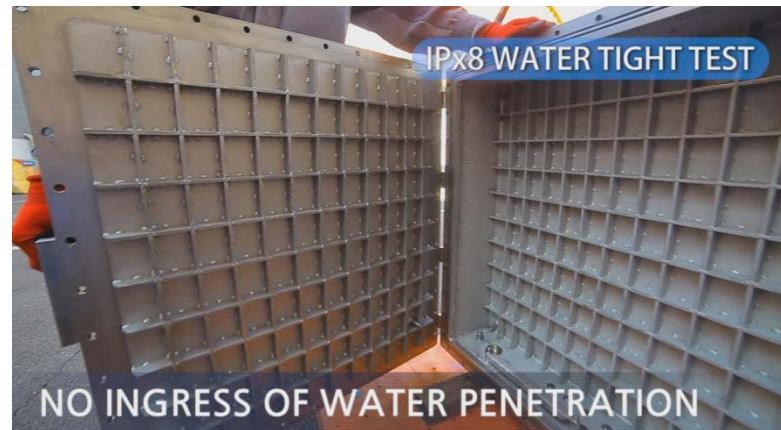
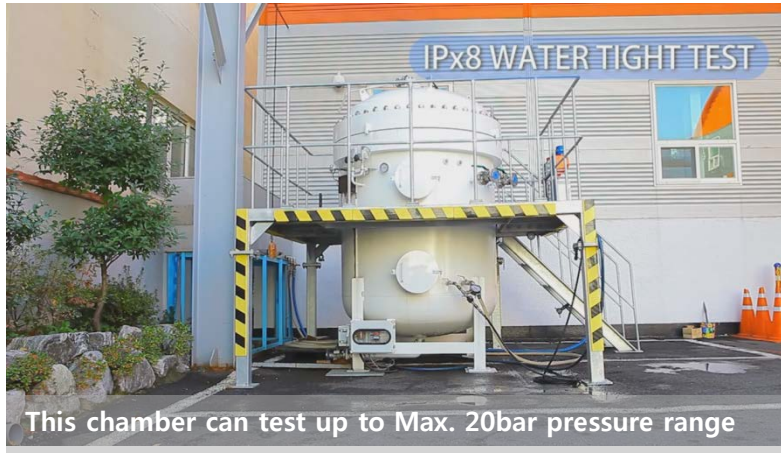
(1) Temperature & Humidity Chamber W2060xH2135xD2400



3. Facilities

3.1 Test & Inspection Facilities

(2) Submerged (pressure) Test Chamber (IPx8) (Inside) Ø1500 H1800



4. Products

4.1 Ex 'e' Enclosure (WIN700s)

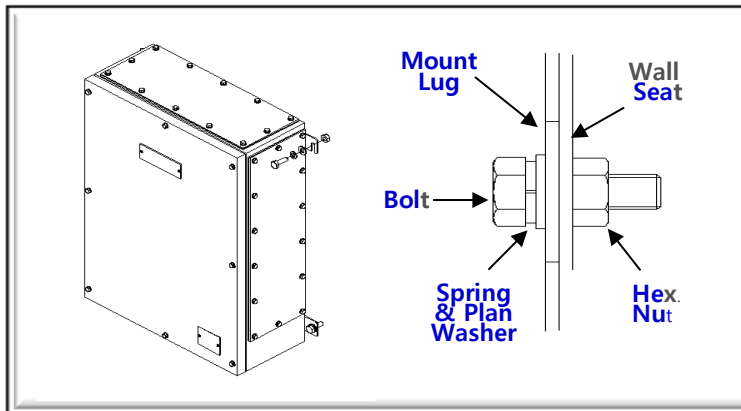


(1) Enclosure (Ex 'e')

Increased Safety Type(Ex 'e') Explosion Proof Equipment is only suitable to Explosion Proof Device and applicable to hazardous area, Zone 1,2. Enclosure meets at least IP54. According to heat-resistant, lysis-resistant, ultraviolet, conductivity, Enclosure has 4~7Nm mechanical strength.

(2) Design

- a. WIN700 enclosure is using for all Electrical Equipment.
- b. Min. 150x150x100~Max. 1000x1400x500mm
- c. WIN700's lid can be remove from body and opened by 180° through fastened hinge.
- d. WIN700 can use Gland Plate at all four side of enclosure body.
- f. WIN700 can be applicable to hazardous Zone 1, 2, 21, 22 and also to Indoor & Outdoor.

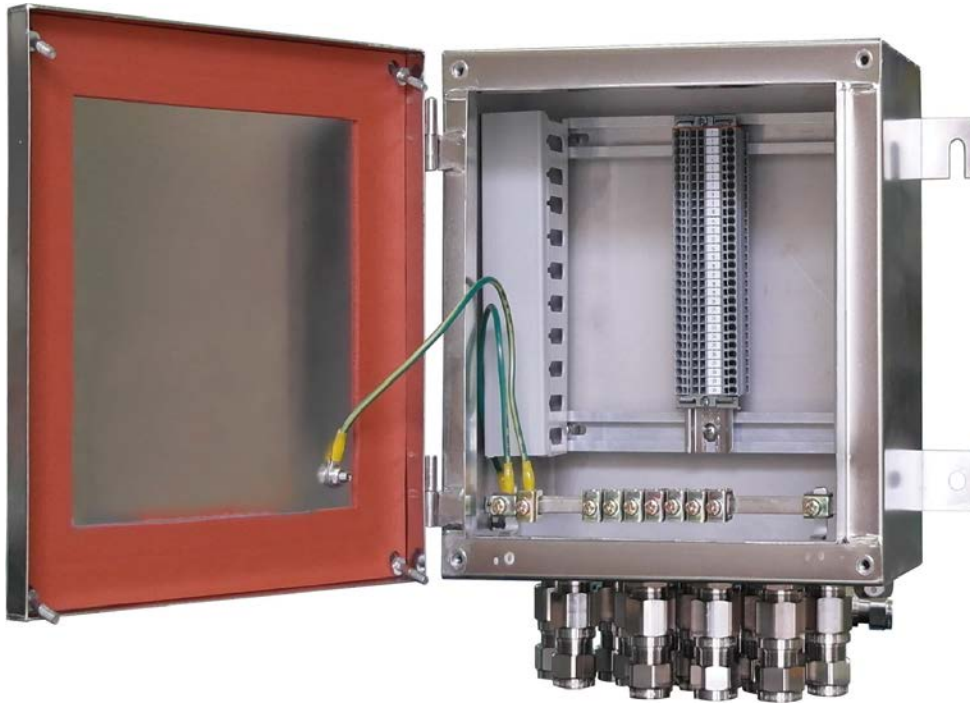


Specification

- ◆ Material : 316L or 304 Stainless steel
- ◆ Finish : Dip Polished or Special colors to customer spec.
- ◆ Gasket : Silicone or Cr
- ◆ Fastener : M6 hexagonal captive screws / Stainless
- ◆ Earthing : Internal / External earth stud
- ◆ Ambient temperature : -50°C ~ +55°C
- ◆ Grade : Ex 'e' II , IP66, 67, 68 / 7Nm Impact energy

4. Products

4.2 Ex 'e' Junction Boxes (WIN700s)



* Type of the JB (Ex 'e')

| MODEL | OVERALL DIMENSION | | | MOUNTING DIMENSION | | | Max. Power Consumption | 2.5T.B Q'ty (Max) |
|--------|-------------------|------|-------------|--------------------|------|----|------------------------|-------------------|
| | W | H | D | W1 | H1 | Φ | | |
| WIN701 | 150 | 150 | 100/120 | 200 | - | 12 | 4.83W | 16P |
| WIN702 | 200 | 200 | 120/160 | 250 | - | 12 | 6.30W | 20P |
| WIN703 | 260 | 260 | 160/200 | 310 | 160 | 12 | 10.04W | 24P |
| WIN704 | 300 | 300 | 160/200 | 350 | 200 | 12 | 11.27W | 32P |
| WIN705 | 260 | 380 | 160/200 | 310 | 200 | 12 | 11.89W | 48P |
| WIN706 | 400 | 400 | 160/200 | 450 | 300 | 12 | 16.93W | 104P |
| WIN707 | 350 | 500 | 160/200/250 | 400 | 400 | 12 | 18.33W | 144P |
| WIN708 | 500 | 500 | 160/200/250 | 550 | 400 | 12 | 24.32W | 216P |
| WIN709 | 450 | 620 | 160/200/250 | 500 | 520 | 12 | 25.98W | 288P |
| WIN710 | 550 | 740 | 200/250/300 | 600 | 640 | 12 | 31.61W | 480P |
| WIN711 | 640 | 860 | 200/250/300 | 690 | 760 | 12 | 35.62W | 575P |
| WIN712 | 750 | 1000 | 200/250/300 | 800 | 900 | 12 | 41.02W | 840P |
| WIN713 | 1000 | 1000 | 200/250/300 | 1050 | 900 | 12 | 45.86W | 1008P |
| WIN714 | 800 | 1200 | 300/400/500 | 850 | 1100 | 12 | 48.38W | 1272P |
| WIN715 | 1000 | 1200 | 300/400/500 | 1050 | 1300 | 12 | 66.77W | 1512P |
| WIN716 | 1000 | 1400 | 300/400/500 | 1050 | 1300 | 12 | 66.77W | 1512P |

◆ Grade : Ex 'e' II T6 / IP66, 67 | Ex 'e' IIC T5 / IP66, 67
 Ex 'e' IIC T6 / IP66, 67 | Ex tD A21 T5/T6 IP66,67

◆ Approval :



4. Products

4.2 Ex 'e' Junction Boxes (WIN700s)

4.2.1 Ex 'e' Cable gland & Stopping plug

(1) Technical specification

A cable gland and stopping plug fastened at WIN700 Series Explosion proof Junction boxes acquires certainly EX 'e' or 'd' Explosion Proof Certificate and requires over IP66 Grade from an authorized inspection office.



Ex 'e' Junction Box



Ex 'e' Cable gland



Ex 'e' Stopping plug

4. Products

4.3 Ex 'e' Breather Drain (BD25)

(1) Breather Drain Plug (BD25)

Ex 'e' equipment has a device which can drain moisture formed due to temperature variation and can purify the air of equipment inside. As draining moisture, it can prevent a corrosion of components and the spark-ignition source in advance.

WOOJOO M&E's BD25 is developed to solve that problem, it can be called a safety guard.



Ex 'e' Breather Drain

| Specification | |
|---------------------|--|
| Model | BD25 |
| Materials | 316 Stainless / 304 Stainless / Brass |
| Thread | M20 : ISO Metric / ½ NPT : NPT Thread |
| Finish | Natural |
| Sealing Gasket | Teflon |
| Ambient temperature | -60°C ≤ Ta ≤ 85°C |
| Place of use | Zone 1. 2 & indoor / Outdoor |
| Grade | Ex II 2 GD / Ex 'e' II / IP66 |
| Approval | IECEX KTL-13.0021, DNV 09 ATEX 47170U, KC 12-KB2BO-0317U |



4. Products

4.4 Ex 'e' Junction Boxes (BON500s)

(1) Enclosure(Ex 'e')

Increased Safety Type(Ex 'e') Explosion Proof Equipment is only suitable to Explosion Proof Device and applicable to hazardous area, Zone 1,2. The enclosure meets at least IP54. According to heat-resistant, lysis-resistant, ultraviolet, conductivity, Enclosure has 4~7Nm mechanical strength.

(2) Design

- a. BON500s enclosure can be used for all Electrical Equipment.
- b. BON500s' lid can be remove from body, BON500s use a linked silicon gasket without a joint.
- c. The ambient temperature is -20°C~+55°C,
- d. BON500s can use gland plate at all four side of enclosure body.
- f. BON500s can be applicable to hazardous Zone 1, 2, 21, 22 and also to Indoor & Outdoor.



| Model | Overall dimension | | | Mounting | |
|--------|-------------------|-----|-----|----------|-----|
| | W | H | D | W1 | H1 |
| BON501 | 80 | 75 | 56 | 68 | 45 |
| BON502 | 110 | 75 | 75 | 98 | 45 |
| BON503 | 160 | 75 | 75 | 148 | 45 |
| BON504 | 190 | 75 | 75 | 178 | 45 |
| BON505 | 230 | 75 | 75 | 218 | 45 |
| BON506 | 122 | 120 | 91 | 106 | 82 |
| BON507 | 220 | 120 | 91 | 204 | 82 |
| BON508 | 160 | 160 | 91 | 140 | 110 |
| BON509 | 260 | 160 | 91 | 240 | 110 |
| BON510 | 360 | 160 | 91 | 340 | 110 |
| BON511 | 560 | 160 | 91 | 540 | 110 |
| BON512 | 255 | 250 | 121 | 235 | 200 |
| BON513 | 400 | 250 | 121 | 380 | 200 |
| BON514 | 600 | 250 | 121 | 580 | 200 |
| BON515 | 360 | 360 | 91 | 340 | 310 |
| BON516 | 400 | 405 | 121 | 380 | 355 |

Specification

| | |
|---------------|---|
| Material | (GRP)Glass reinforce polyester |
| Finish | Black |
| Gasket | Silicone |
| Lid fixing | Removable lid and M6 screw |
| Earthing | M8 Internal/External earth stud |
| Box mounting | 4 or 6 mounting pillars with 6.5mm holes |
| Ambient Temp. | -20°C to +55°C or -20°C to +40°C |
| Approval | Ex II 2 GD Ex e IIC Gb T5/T6 Gb IP66, |
| | IECEx KTL12. 0010U / IECEx KTL12.0011 ATEX certification in progress |



4. Products

4.5 Ex 'de' Signaling Device (SD16s)

GENERAL

- ◆ Hazardous area requires a use of single optical signal for warning or information purpose.
- ◆ WOJOO M & E's Beacon series has an excellent quality and function, is an essential item to avoid disaster and loss of lives and promote the public secure.

(1) Model : L16 / Beacon Light, LL16 / Double Beacon Light (Optical)

You can choose a globe color according to an aim of installation, the double beacon light can deliver same or separate signal.

- 6 Globe colors
- High Brightness Lamp (Xenon or LED)
- 3 type Bracket Option
- Terminal box design is compact.



L16



LL16



| Power consumption | | | |
|----------------------|---|------------|-----------|
| Input voltage | 24VDC | 110VAC | 220VAC |
| Current | 83mA/171mA | 72mA/135mA | 37mA/60mA |
| Material | Copper free aluminum | | |
| Finish | Painted in Navy blue | | |
| Weight | 3.4kg (approx.) / 4.0kg (approx.) | | |
| Light output | 5J (Xenon), LED | | |
| Illumination | Max. 20watt | | |
| Ambient temp. | -40°C to +60°C | | |
| Grade | Ex II 2 GD Ex de IIB T5 Gb, Ex tD III C T100°C Db IP66/67 | | |
| Approval | IECEx KTL11. 0018X, INERIS 12 ATEX 0018X, KC-12-KB2BO-0145X, EMC | | |

4. Products

4.5 Ex 'de' Signaling Device (SD16s)

GENERAL

- ◆ Hazardous area requires a use of single optical signal for warning or information purpose.
- ◆ WOJOO M & E's Beacon series has an excellent quality and function, is an essential item to avoid disaster and loss of lives and promote the public secure.

(2) Model : S16A, S16B / Sounder SS16A , SS16B / Double Sounder (Acoustic)

You can choose sounder pattern according to situation of a site and aim of installation. it can bilaterally make a sound by 120dB.

- Horn of PC material
- 30 sound patterns
- 3 type Bracket Option
- Terminal box design is compact



Power consumption

| | | | |
|----------------------|--|-----------------|-----------------|
| Input voltage | 24VDC | 110VAC | 220VAC |
| Current | 820mA/ 1600mA | 235mA/ 480mA | 166mA/ 290mA |
| Material | Copper free aluminum | | |
| Finish | Painted in Navy blue | | |
| Weight | 5.2kg (approx.) | | |
| Sound level | 120dB /1m (approx.) | | |
| Sound pattern | 30 different signal tones | | |
| Ambient temp. | -40°C to +60°C | | |
| Grade | Ex II 2 GD Ex de IIB T5 Gb, Ex tD IIIC T100°C Db IP66 | | |
| Approval | IECEX KTL11. 0018X, INERIS 12 ATEX 0018X, KC-12-KB2BO-0147X EMC | | |

4. Products

4.5 Ex 'de' Signaling Device (SD16s)

GENERAL

- ◆ Hazardous area requires a use of single optical signal for warning or information purpose.
- ◆ WOOJOO M & E's Beacon series has an excellent quality and function, is an essential item to avoid disaster and loss of lives and promote the public secure.

(3) Model : SL16A , SL16B Sounder with Beacon Light (Acoustic with Optical)

It has all functions of sounder and beacon light.

- Horn of PC material
- 30 sound patterns / 6 Globe colors
- 3 type Bracket Option
- Terminal box design is compact







SL16A



SL16B



| Power consumption | | | |
|----------------------|---|--------|--------|
| Input voltage | 24VDC | 110VAC | 220VAC |
| Current | 915mA | 2400mA | 100mA |
| Material | Copper free aluminum | | |
| Finish | Painted in Navy blue | | |
| Weight | 4.8kg (approx.) | | |
| Sound level | 120dB /1m (approx.) | | |
| Light output | 5J(Xenon), LED / 20watt | | |
| Sound pattern | 30 different signal tones | | |
| Ambient temp. | -40°C to +60°C | | |
| Grade | Ex II 2 GD Ex de IIB T5 Gb, Ex tD IIIC T100°C Db IP66 | | |
| Approval | IECEX KTL11. 0018X, INERIS 12 ATEX 0018X, KC-12-KB2BO-0147X EMC     | | |

4. Products

4.6 Ex 'e' Pressure Gauge Board (PGB700s)

- ◆ Pneumatic line grouping of Pressure Transmitter.
- ◆ Cable line grouping Pressure Transmitter.

□ PGB Enclosure :

- Material : 3.0t 316 Stainless
- Grade : Ex 'e' II / IP66

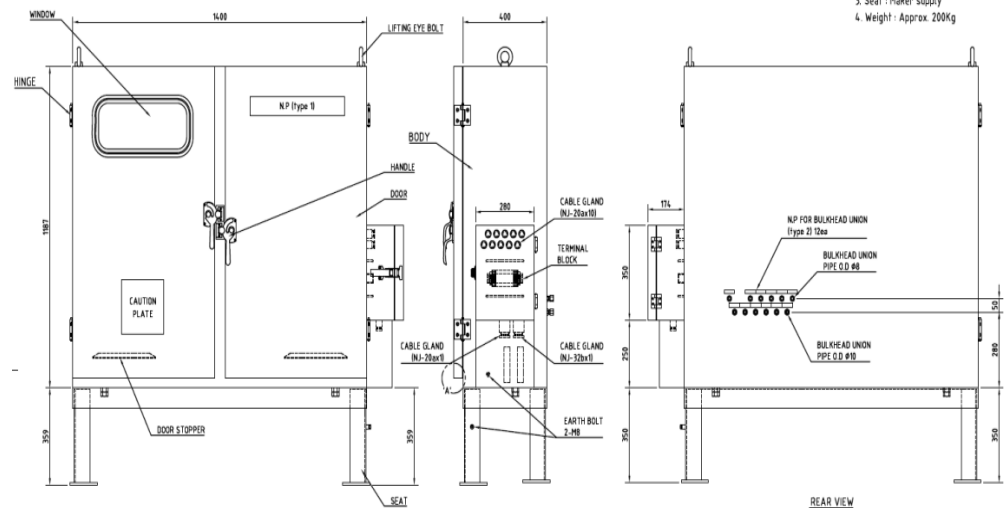


□ Junction Box :

- Material : 3.0t 316 Stainless
- Grade : Ex 'e' II T6 / IP66
- Approval : IECEx

□ Pressure Transmitter :

- Amb. Temp. Limits: -50 to 85 °C
- IS Cl. I, Zone 0
- Ex ia IIC T* IP66 / 68



4. Products

4.7 Telephone Booth (ATB300s)

(1) ATB301 (FULL TYPE)

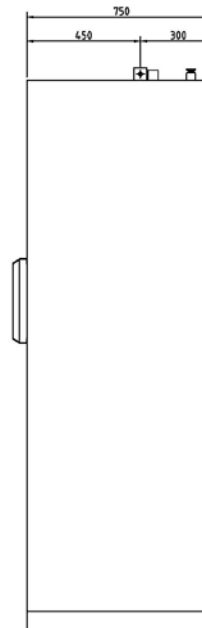
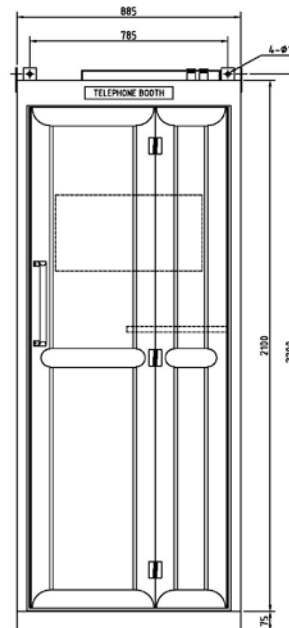
◆ ATB300 SERIES

This telephone booth can be installed and used as public phone at marine shipbuilding plant, oil & gas plant, power plant, airport, tunnel, port, construction sites and all industrial sites.

◆ DESIGN

This telephone booth is manufactured with metal material to be installed at indoor or outdoor according to ISO9001, ISO14001 and OHSAS18001 process. Inside of booth, sound-absorbing material is used for sound-proof to prevent noise. And memo pad is installed. On the topside of booth, alarm lamp or horn can be installed to notify telephone calls. Plus, Door window is made of polycarbonate and is designed not to be broken by crashing. Door opening is manually operated, but door closing is automatically operated. And telephone booth size can be specially made as per customer's request.

| Model | ATB301(Full type) |
|-----------|--|
| Dimension | W885 H2200 D750 |
| Material | Body - Sheet steel Window - Polycarbonate |
| Finish | 7.5BG 7/2 or Customer Spec. |
| Weight | Approx. 150kg |



4. Products

4.7 Telephone Booth (ATB300s)

(1) ATB302 (HALF TYPE)

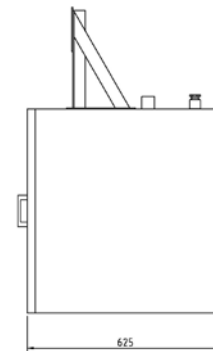
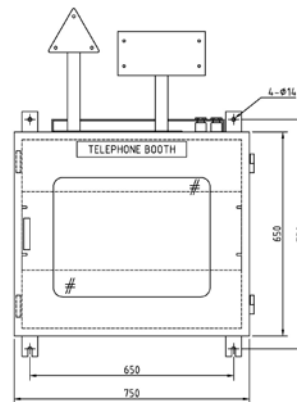
◆ ATB300 SERIES

This telephone booth can be installed and used as public phone at marine shipbuilding plant, oil & gas plant, power plant, airport, tunnel, port, construction sites and all industrial sites.

◆ DESIGN

This telephone booth is designed as a dome shape to be installed at indoor or outdoor. And it is manufactured with thermoset composite moldings according to ISO9001, ISO14001 and OHSAS18001 process. To fix wall mounting strongly, we've installed GAL'V material plate at the middle of inside. Plus, memo pad is installed at the left of inside

| Model | ATB302(Half type) |
|-----------|--|
| Dimension | W750 H730 D625 |
| Material | Body - Sheet steel Window - Polycarbonate |
| Finish | 7.5BG 7/2 or Customer Spec. |
| Weight | Approx. 50kg |



4. Products

4.7 Telephone Booth (ATB300s)

(1) ATB303 (SEMI TYPE)

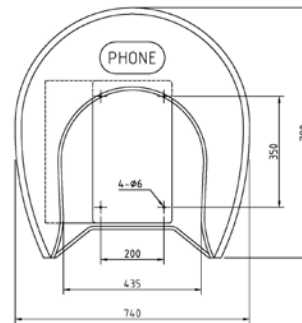
◆ ATB300 SERIES

This telephone booth can be installed and used as public phone at marine shipbuilding plant, oil & gas plant, power plant, airport, tunnel, port, construction sites and all industrial sites.

◆ DESIGN

This telephone booth is designed as a dome shape to be installed at indoor or outdoor. And it is manufactured with thermoset composite moldings according to ISO9001, ISO14001 and OHSAS18001 process. To fix wall mounting strongly, we've installed GAL'V material plate at the middle of inside. Plus, memo pad is installed at the left of inside.

| Model | ATB303(Semi type) |
|-----------|--|
| Dimension | W740 H790 D580 |
| Material | E Chopped strand glass mat |
| Finish | Maker standard (Yellow) or optional select (Red) |
| Weight | Approx. 7kg |



5. Service Program

5.1 IECEx Service Facility

IECEx Service Facility Scheme

ABOUT ■

IECEx Service Facility Scheme

IECEx Service Facility Scheme supplies an assessment and certification service about potential explosive (hazardous) area.

It is an International Certification System for explosion proof equipment that *International Electrotechnical Commission Technical Committee* enacted in 1977. This is a global certification system which shows explosion proof equipment is managed according to IEC requirements.

- ◆ IECEx Service Facility Scheme indicates the system and site skills assessment for a company which supplies repair and maintenance of explosion proof equipment.
- ◆ The company which is certified by IECEx Service Facility can guarantee that repair and maintenance of explosion proof equipment is done according to strict requirements of IECEx system about international standard IEC60079-19.
- ◆ The company which obtains the certification of IECEx Service Facility will be registered to IECEx website, and can use IECEx LOGO for work report and related documents.

IECEx Service Facility Scheme

STATUS ■

- ◆ International oil companies (e.g. Shell, BP) require a repair and maintenance facility certification to manufacturers that repair explosion proof equipment installed at their sites.
- ◆ Currently in Europe, this system is in effect as a recommendation according to ATEX Directive. And in Australia, this system is in effect as mandatory according to IEC/AU Standards.
- ◆ To ensure the safety of explosion proof equipment, domestic petrochemical companies are also participated to this actively.

IECEx Service Facility Scheme

PURPOSE ■

Up to now, repair and maintenance for explosion proof equipment (certified products) which is installed at hazardous area has been done indiscriminately by unqualified companies. So explosion proof equipment lost its function and it increases explosion accident risk.

◆ Woojoo M&E builds a systematic post management system for explosion proof equipment to prevent this risk. With preventing indiscriminate repair and maintenance for the products after certification, Woojoo M&E leads continuous suitability of products. And it gives a certainty of safety to both of explosion proof products users and workers.

◆ The explosion proof equipment solution engineering service scope : On site Repair and Overhaul of Ex d, Ex e, Ex de Junction box, Control Panel, Signal Equipment, Switch Equipment, Distribution Equipment. Off site work limited to replacement of internal components.



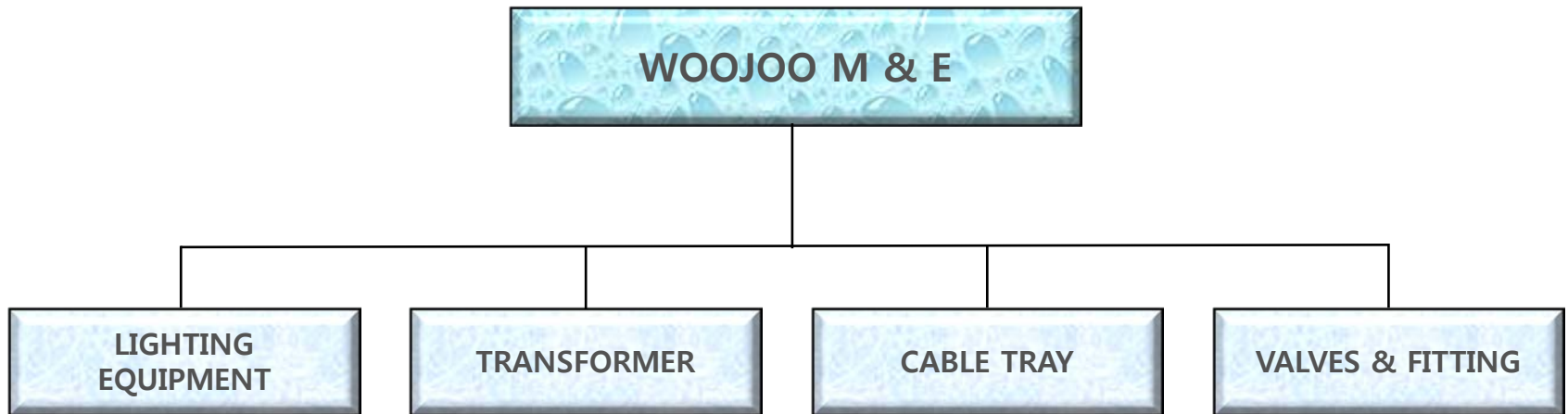
5. Service Program

5.1 IECEx Service Facility



6. Total package supply Solution

WOOJOO M & E, have good partnership with various companies and can supply below electrical equipment for marine / offshore and industry plant.



7. REFERENCE LIST

7.1 Vessel Types & Equipment Supply

| Project | Equipment Supply |
|-------------------|---|
| FLNG | ◆ Junction Box (Explosion Proof & Water Proof) |
| | ◆ Warning Signal EQ.(Explosion Proof & Water Proof) |
| | ◆ Hospital & Ref. Chamber Call System |
| | ◆ Air lock alarm system (Explosion Proof & Water Proof) |
| | ◆ Telephone Booth |
| FPSO | ◆ Junction Box (Explosion Proof & Water Proof) |
| | ◆ Warning Signal EQ (Explosion Proof & Water Proof) |
| | ◆ Hospital & Ref. Chamber Call System |
| | ◆ Air lock alarm system (Explosion Proof & Water Proof) |
| | ◆ Telephone Booth |
| DRILL SHIP | ◆ Junction Box (Explosion Proof & Water Proof) |
| | ◆ Warning Signal EQ (Explosion Proof & Water Proof) |
| | ◆ Hospital & Ref. Chamber Call System |
| | ◆ Air lock alarm system (Explosion Proof & Water Proof) |
| | ◆ Telephone Booth |
| | ◆ UPS |

| Project | Equipment Supply |
|------------------------|---|
| LNGC | ◆ Junction Box (Explosion Proof & Water Proof) |
| | ◆ Warning Signal EQ (Explosion Proof & Water Proof) |
| | ◆ Hospital & Ref. Chamber Call System |
| | ◆ Air lock alarm system (Explosion Proof & Water Proof) |
| | ◆ Telephone Booth |
| | ◆ Pressure Gauge Board |
| CONT & VLCC | ◆ Junction Box (Explosion Proof & Water Proof) |
| | ◆ Warning Signal EQ (Explosion Proof & Water Proof) |
| | ◆ Hospital & Ref. Chamber Call System |
| | ◆ Air lock alarm system (Explosion Proof & Water Proof) |
| | ◆ Telephone Booth |
| PLANT | ◆ Junction Box (Explosion Proof) |
| | ◆ Warning Signal EQ (Explosion Proof) |
| | ◆ Telephone Booth |

7. REFERENCE LIST

7.2 Vessel Types & Performance Project

F-LNG

| No | Shipyard | Project Serial No. | Vessel | Owner | Class | Delivery |
|----|----------|--------------------|--------|----------|-------|----------|
| 1 | SHI | SN2030/7100 | FLNG | SHELL | LR | 2013 |
| 2 | SHI | SN2126 | FLNG | PETRONAS | DNV | 2016 |

Semi-Rig

| No | Shipyard | Project Serial No. | Vessel | Owner | Class | Delivery |
|----|----------|--------------------|----------|-------|-------|----------|
| 1 | SHI | SN2097 | Semi-Rig | STENA | DNV | 2015 |

FSRU

| No | Shipyard | Project Serial No. | Vessel | Owner | Class | Delivery |
|----|----------|--------------------|--------|-------|-------|----------|
| 1 | SHI | SN2118 | FSRU | BW | BV | 2015 |

PLATFORM PROJECT

| No | Shipyard | Project Serial No. | Vessel | Owner | Class | Delivery |
|----|----------|--------------------|--------|---------|-------|----------|
| 1 | SHI | SN7102 | P/F | STATOIL | DNV | 2013 |

7. REFERENCE LIST

7.2 Vessel Types & Performance Project

B/C

| No | Shipyard | Project Serial No. | Vessel | Owner | Class | Delivery |
|----|----------|--------------------|--------|-------|-------|----------|
| 1 | DSME | 1218 | B/C | | DNV | 2016 |
| 2 | DSME | 1219 | B/C | | DNV | 2016 |
| 3 | DSME | 1220 | B/C | | DNV | 2016 |
| 4 | DSME | 1222 | B/C | | DNV | 2016 |

NAVAL

| No | Shipyard | Project Serial No. | Vessel | Owner | Class | Delivery |
|----|----------|--------------------|--------|-------|-------|----------|
| 1 | DSME | 7044 | NAVY | | LRS | 2015 |
| 2 | DSME | 3402 | PLSV | | LRS | 2015 |

COT

| No | Shipyard | Project Serial No. | Vessel | Owner | Class | Delivery |
|----|----------|--------------------|--------|-------|-------|----------|
| 1 | DSME | 4240 | CONT | | ABS | 2015 |
| 2 | DSME | 4241 | CONT | | ABS | 2015 |
| 3 | DSME | 4242 | CONT | | ABS | 2015 |

7. REFERENCE LIST

7.2 Vessel Types & Performance Project

FPSO & FSO

| No | Shipyard | Project Serial No. | Vessel | Owner | Class | Delivery |
|----|----------|--------------------|--------|----------------|-------|----------|
| 1 | SHI | SN1283 | FPSO | SHELL | LR | 2001 |
| 2 | SHI | SN1365 | FPSO | CTDC | ABS | 2002 |
| 3 | SHI | SN1366 | FSO | BADU-UNDAN | LR | 2002 |
| 4 | SHI | SN1424 | FPSO | HUSKY OIL | DNV | 2003 |
| 5 | SHI | SN1534 | FSO | Conocophillips | ABS | 2004 |
| 6 | SHI | SN1497 | FPSO | DALIA | BV | 2004 |
| 7 | SHI | SN1535 | FPSO | WOODSIDE | LR | 2005 |
| 8 | HHI | AKPO | FPSO | TOTAL | DNV | 2007 |
| 9 | SHI | SN1716 | FPSO | NEXUS | DNV | 2008 |
| 10 | SHI | SN1767 | FPSO | NEXUS | DNV | 2008 |
| 11 | SHI | SN1763 | FPSO | BP | DNV | 2008 |
| 12 | SHI | SN1861 | FDS | SAIPEM | ABS | 2010 |
| 13 | SHI | SN1951/7092 | FPSO | TEEKAY | DNV | 2012 |

7. REFERENCE LIST

7.2 Vessel Types & Performance Project

9.1) DRILLSHIP

| No | Shipyard | Project Serial No. | Vessel | Owner | Class | Delivery |
|----|----------|--------------------|--------|--------------|-------|----------|
| 1 | SHI | SN1650 | DRILL | Repsol | DNV | 2006 |
| 2 | SHI | SN1657 / 7048 | DRILL | Exxon | ABS | 2007 |
| 3 | SHI | SN1669 | DRILL | Chevron | DNV | 2007 |
| 4 | SHI | SN1687 / 7052 | DRILL | Mosvold | ABS | 2007 |
| 5 | SHI | SN1674 / 7054 | DRILL | Reliance | ABS | 2007 |
| 6 | DSME | H3024 | DRILL | Petroserv | DNV | 2008 |
| 7 | SHI | SN1747 | DRILL | Hess | DNV | 2008 |
| 8 | SHI | SN1727 / 7057 | DRILL | Transocean | ABS | 2008 |
| 9 | SHI | SN1725 / 7058 | DRILL | Reliance | ABS | 2008 |
| 10 | SHI | SN1786 / 7062 | DRILL | BP | ABS | 2009 |
| 11 | DSME | H3026 | DRILL | Bicentenario | DNV | 2009 |
| 12 | SHI | SN1702 / 7064 | DRILL | SAIPEM | ABS | 2009 |
| 13 | SHI | SN1766 / 7061 | DRILL | Transocean | ABS | 2009 |
| 14 | SHI | SN1809 | DRILL | Chevron | ABS | 2009 |
| 15 | SHI | SN1756 / 7067 | DRILL | PRIDE | ABS | 2009 |
| 16 | SHI | SN1769 / 7066 | DRILL | Mosvold | ABS | 2009 |
| 17 | DSME | H3601 | DRILL | TMT | ABS | 2009 |

9.2) DRILLSHIP

| No | Shipyard | Project Serial No. | Vessel | Owner | Class | Delivery |
|----|----------|--------------------|--------|------------|-------|----------|
| 18 | DSME | H3603 | DRILL | OOG | ABS | 2009 |
| 19 | DSME | H3027 | DRILL | Pemex | DNV | 2009 |
| 20 | DSME | H3604 | DRILL | TMT | ABS | 2009 |
| 21 | DSME | H3602 | DRILL | TMT | ABS | 2010 |
| 22 | SHI | SN1862 / 7073 | DRILL | Petrobras | ABS | 2010 |
| 23 | SHI | SN1837 / 7070 | DRILL | Cairn | ABS | 2010 |
| 24 | DSME | H3605 | DRILL | Petroserv | ABS | 2010 |
| 25 | SHI | SN1867 / 7077 | DRILL | PDC | ABS | 2010 |
| 26 | SHI | SN1838 / 7071 | DRILL | Vanco | ABS | 2010 |
| 27 | SHI | SN1864 / 7074 | DRILL | Petrobras | ABS | 2010 |
| 28 | SHI | SN1868 / 7081 | DRILL | PDC | ABS | 2010 |
| 29 | SHI | SN1869 / 7079 | DRILL | Petrobrass | ABS | 2010 |
| 30 | SHI | SN1865 / 7076 | DRILL | Petrobrass | ABS | 2010 |
| 31 | SHI | SN1866 / 7080 | DRILL | Petrobrass | ABS | 2010 |
| 32 | SHI | SN1870 / 7082 | DRILL | Petrobrass | ABS | 2010 |
| 33 | DSME | H3609 | DRILL | OOG | DNV | 2010 |
| 34 | SHI | SN1898 / 7085 | DRILL | PRIDE | ABS | 2010 |

7. REFERENCE LIST

7.2 Vessel Types & Performance Project

9.3) DRILLSHIP

| No | Shipyard | Project Serial No. | Vessel | Owner | Class | Delivery |
|----|----------|--------------------|--------|------------|-------|----------|
| 35 | DSME | H3610 | DRILL | OOG | DNV | 2010 |
| 36 | DSME | H3028 | DRILL | Petroserv | DNV | 2010 |
| 37 | SHI | SN1755 / 7078 | DRILL | Shell | DNV | 2011 |
| 38 | SHI | SN1899 / 7084 | DRILL | Petrobrass | ABS | 2011 |
| 39 | DSME | H3029 | DRILL | KC KAZAKH | ABS | 2011 |
| 40 | SHI | SN1907 / 7086 | DRILL | Petrobrass | ABS | 2011 |
| 41 | SHI | SN1908 / 7088 | DRILL | Pertobrass | ABS | 2011 |
| 42 | SHI | SN1911 / 7090 | DRILL | SEADRILL | ABS | 2012 |
| 43 | SHI | SN1912 / 7093 | DRILL | SEADRILL | ABS | 2012 |
| 44 | SHI | SN1979 / 7094 | DRILL | OCEAN RIG | DNV | 2012 |
| 45 | SHI | SN2018 / 7099 | DRILL | MAERSK | ABS | 2014 |
| 46 | SHI | SN2019 / 7101 | DRILL | MAERSK | ABS | 2014 |
| 47 | SHI | SN2028 / 7105 | DRILL | MAERSK | ABS | 2013 |
| 48 | SHI | SN2029 / 7107 | DRILL | MAERSK | ABS | 2013 |
| 49 | SHI | SN2013 / 7096 | DRILL | OCEAN RIG | DNV | 2013 |
| 50 | SHI | SN2032 / 7103 | DRILL | OCEAN RIG | DNV | 2014 |
| 51 | SHI | SN2063 | DRILL | OCEAN RIG | DNV | 2014 |

9.4) DRILLSHIP

| No | Shipyard | Project Serial No. | Vessel | Owner | Class | Delivery |
|----|----------|--------------------|--------|------------|-------|----------|
| 52 | SHI | SN2109 | DRILL | OCEAN RIG | DNV | 2014 |
| 53 | SHI | SN2059 | DRILL | ENSCO | ABS | 2014 |
| 54 | SHI | SN2062 | DRILL | ENSCO | ABS | 2014 |
| 55 | SHI | SN2096 | DRILL | ENSCO | ABS | 2014 |
| 56 | SHI | SN2020 | DRILL | SEADRILL | DNV | 2013 |
| 57 | SHI | SN2052 | DRILL | SEADRILL | DNV | 2014 |
| 58 | SHI | SN2053 | DRILL | SEADRILL | DNV | 2014 |
| 59 | SHI | SN2054 | DRILL | SEADRILL | DNV | 2014 |
| 60 | SHI | SN2068 | DRILL | SEADRILL | DNV | 2014 |
| 61 | SHI | SN2100 | DRILL | SEADRILL | DNV | 2014 |
| 62 | SHI | SN2101 | DRILL | SEADRILL | DNV | 2014 |
| 63 | SHI | SN2119 | DRILL | OCEAN RIG | ABS | 2016 |
| 64 | SHI | SN2120 | DRILL | OCEAN RIG | ABS | 2016 |
| 65 | DSME | 3612 | DRILL | TRANSOCEAN | DNV | 2015 |
| 66 | DSME | 3613 | DRILL | TRANSOCEAN | DNV | 2015 |
| 67 | DSME | 3614 | DRILL | TRANSOCEAN | DNV | 2015 |
| 68 | DSME | 3615 | DRILL | TRANSOCEAN | ABS | 2015 |

7. REFERENCE LIST

7.2 Vessel Types & Performance Project

9.5) DRILLSHIP

| No | Shipyard | Project Serial No. | Vessel | Owner | Class | Delivery |
|----|----------|--------------------|--------|---------------|-------|----------|
| 69 | DSME | 3617 | DRILL | AT WOOD OCEAN | DNV | 2015 |
| 70 | DSME | 3619 | DRILL | AT WOOD OCEAN | DNV | 2015 |
| 71 | DSME | 3620 | DRILL | SONANGOL | ABS | 2015 |
| 72 | DSME | 3621 | DRILL | SONANGOL | ABS | 2015 |
| 73 | DSME | 3622 | DRILL | AT WOOD OCEAN | DNV | 2015 |
| 74 | DSME | 3623 | DRILL | SEADRILL | ABS | 2015 |
| 75 | DSME | 3624 | DRILL | SEADRILL | ABS | 2015 |
| 76 | DSME | 3507 | DRILL | TRANSOCEAN | DNV | 2015 |
| 77 | DSME | 3508 | DRILL | TRANSOCEAN | DNV | 2015 |
| 78 | DSME | 3511 | DRILL | TRANSOCEAN | DNV | 2015 |

7. REFERENCE LIST

7.2 Vessel Types & Performance Project

10.1) LNG

| No | Shipyard | Project Serial No. | Vessel | Owner | Class | Delivery |
|----|----------|--------------------|--------|-----------|-------|----------|
| 1 | SHI | SN1406 | LNG | EXMAR | ABS | 2002 |
| 2 | SHI | SN1405 | LNG | SK | ABS | 2002 |
| 3 | SHI | SN1380 | LNG | BP | LRS | 2002 |
| 4 | SHI | SN1381 | LNG | BP | LR | 2002 |
| 5 | SHI | SN1416 | LNG | BP | LR | 2002 |
| 6 | SHI | SN1428 | LNG | BG | LR | 2003 |
| 7 | SHI | SN1425 | LNG | AP MOLLER | LR | 2003 |
| 8 | SHI | SN1440 | LNG | 4J-RASGAS | ABS | 2004 |
| 9 | SHI | SN1441 | LNG | 4J-RASGAS | ABS | 2004 |
| 10 | SHI | SN1502 | LNG | MISC | BV | 2004 |
| 11 | SHI | SN1442 | LNG | 4J-RASGAS | ABS | 2004 |
| 12 | SHI | SN1536 | LNG | OMAN | ABS | 2004 |
| 13 | SHI | SN1503 | LNG | MISC | BV | 2005 |
| 14 | SHI | SN1590 | LNG | MISC | BV | 2005 |
| 15 | SHI | SN1553 | LNG | BG | ABS | 2005 |
| 16 | SHI | SN1562 | LNG | AP MOLLER | ABS | 2005 |
| 17 | SHI | SN1573 | LNG | OMAN | ABS | 2005 |

10.2) LNG

| No | Shipyard | Project Serial No. | Vessel | Owner | Class | Delivery |
|----|----------|--------------------|--------|-----------|-------|----------|
| 18 | SHI | SN1554 | LNG | BG | ABS | 2005 |
| 19 | SHI | SN1555 | LNG | BG | ABS | 2005 |
| 20 | SHI | SN1589 | LNG | MISC | BV | 2005 |
| 21 | SHI | SN1594 | LNG | 4J-RASGAS | ABS | 2005 |
| 22 | SHI | SN1563 | LNG | NYK | LR | 2006 |
| 23 | SHI | SN1585 | LNG | BG | ABS | 2006 |
| 24 | SHI | SN1605 | LNG | OSG | DNV | 2006 |
| 25 | SHI | SN1588 | LNG | BG | ABS | 2006 |
| 26 | SHI | SN1606 | LNG | OSG | DNV | 2006 |
| 27 | SHI | SN1586 | LNG | BG | ABS | 2006 |
| 28 | SHI | SN1564 | LNG | NYK | LR | 2006 |
| 29 | SHI | SN1587 | LNG | BG | ABS | 2006 |
| 30 | SHI | SN1643 | LNG | TEEKAY | DNV | 2006 |
| 31 | SHI | SN1591 | LNG | MISC | BV | 2006 |
| 32 | SHI | SN1644 | LNG | TEEKAY | DNV | 2007 |
| 33 | SHI | SN1607 | LNG | AP MOLLER | ABS | 2007 |
| 34 | SHI | SN1645 | LNG | TEEKAY | DNV | 2007 |

7. REFERENCE LIST

7.2 Vessel Types & Performance Project

10.3) LNG

| No | Shipyard | Project Serial No. | Vessel | Owner | Class | Delivery |
|----|----------|--------------------|--------|-----------|-------|----------|
| 35 | SHI | SN1608 | LNG | AP MOLLER | ABS | 2007 |
| 36 | SHI | SN1646 | LNG | TEEKAY | DNV | 2007 |
| 37 | SHI | SN1675 | LNG | QGTC | LR | 2007 |
| 38 | SHI | SN1619 | LNG | K-LINE | ABS | 2007 |
| 39 | SHI | SN1625 | LNG | AP MOLLER | ABS | 2007 |
| 40 | SHI | SN1676 | LNG | QGTC | LR | 2007 |
| 41 | SHI | SN1620 | LNG | K-LINE | ABS | 2008 |
| 42 | SHI | SN1677 | LNG | QGTC | LR | 2008 |
| 43 | SHI | SN1694 | LNG | QGTC | LRS | 2008 |
| 44 | SHI | SN1634 | LNG | K-LINE | ABS | 2008 |
| 45 | SHI | SN1695 | LNG | QGTC | LR | 2008 |
| 46 | SHI | SN1697 | LNG | QGTC | LR | 2008 |
| 47 | SHI | SN1626 | LNG | AP MOLLER | ABS | 2008 |
| 48 | SHI | SN1632 | LNG | AP MOLLER | ABS | 2008 |
| 49 | SHI | SN1686 | LNG | K-LINE | ABS | 2008 |
| 50 | SHI | SN1696 | LNG | QCTC | ABS | 2008 |
| 51 | SHI | SN1726 | LNG | QCTC | LR | 2008 |

10.4) LNG

| No | Shipyard | Project Serial No. | Vessel | Owner | Class | Delivery |
|----|----------|--------------------|--------|-----------|-------|----------|
| 52 | SHI | SN1688 | LNG | HOEGH | DNV | 2008 |
| 53 | SHI | SN1751 | LNG | QCTC | LR | 2008 |
| 54 | SHI | SN1752 | LNG | QCTC | LR | 2008 |
| 55 | SHI | SN1633 | LNG | AP MOLLER | ABS | 2009 |
| 56 | SHI | SN1753 | LNG | QCTC | LR | 2009 |
| 57 | SHI | SN1745 | LNG | QCTC | ABS | 2009 |
| 58 | SHI | SN1858 | LNG | BG | ABS | 2009 |
| 59 | SHI | SN1754 | LNG | QCTC | LR | 2009 |
| 60 | SHI | SN1689 | LNG | HOEGH | DNV | 2009 |
| 61 | SHI | SN1746 | LNG | BG | ABS | 2009 |
| 62 | SHI | SN1859 | LNG | BG | ABS | 2009 |
| 63 | SHI | SN1810 | LNG | MINT | ABS | 2010 |
| 64 | SHI | SN1811 | LNG | MINT | ABS | 2010 |
| 65 | SHI | SN1812 | LNG | MINT | ABS | 2010 |
| 66 | SHI | SN1813 | LNG | MINT | ABS | 2011 |
| 67 | SHI | SN1946 | LNG | GASLOG | ABS | 2011 |
| 68 | SHI | SN1947 | LNG | GASLOG | ABS | 2011 |

7. REFERENCE LIST

7.2 Vessel Types & Performance Project

10.5) LNG

| No | Shipyard | Project Serial No. | Vessel | Owner | Class | Delivery |
|----|----------|--------------------|--------|--------|-------|----------|
| 69 | SHI | SN2016 | LNG | GASLOG | ABS | 2012 |
| 70 | SHI | SN2017 | LNG | GASLOG | ABS | 2012 |
| 71 | SHI | SN2041 | LNG | GASLOG | ABS | 2013 |
| 72 | SHI | SN2042 | LNG | GASLOG | ABS | 2013 |
| 73 | SHI | SN2043 | LNG | GASLOG | ABS | 2014 |
| 74 | SHI | SN2044 | LNG | GASLOG | ABS | 2014 |
| 75 | SHI | SN2072 | LNG | GASLOG | ABS | 2015 |
| 76 | SHI | SN2073 | LNG | GASLOG | ABS | 2015 |
| 77 | SHI | SN2021 | LNG | GOLAR | DNV | 2012 |
| 78 | SHI | SN2021 | LNG | GOLAR | DNV | 2012 |
| 79 | SHI | SN2022 | LNG | GOLAR | DNV | 2012 |
| 80 | SHI | SN2023 | LNG | GOLAR | DNV | 2013 |
| 81 | SHI | SN2024 | LNG | GOLAR | DNV | 2013 |
| 82 | SHI | SN2026 | LNG | GOLAR | DNV | 2013 |
| 83 | SHI | SN2027 | LNG | GOLAR | DNV | 2013 |
| 84 | SHI | SN2055 | LNG | GOLAR | DNV | 2014 |
| 85 | SHI | SN2056 | LNG | GOLAR | DNV | 2014 |

10.6) LNG

| No | Shipyard | Project Serial No. | Vessel | Owner | Class | Delivery |
|-----|----------|--------------------|--------|------------|-------|----------|
| 86 | SHI | SN2047 | LNG | GOLAR | DNV | 2013 |
| 87 | SHI | SN2048 | LNG | GOLAR | DNV | 2014 |
| 88 | SHI | SN2031 | LNG | GOLAR | DNV | 2012 |
| 89 | SHI | SN2074 | LNG | GOLAR | DNV | 2014 |
| 90 | SHI | SN2045 | LNG | THENAMARIS | DNV | 2012 |
| 91 | SHI | SN2046 | LNG | THENAMARIS | DNV | 2013 |
| 92 | SHI | SN2049 | LNG | THENAMARIS | DNV | 2013 |
| 93 | SHI | SN2076 | LNG | BGT | ABS | 2015 |
| 94 | SHI | SN2077 | LNG | BGT | ABS | 2015 |
| 95 | SHI | SN2078 | LNG | BGT | ABS | 2015 |
| 96 | SHI | SN2079 | LNG | BGT | ABS | 2016 |
| 97 | SHI | SN2069 | LNG | CHEVRON | ABS | 2016 |
| 98 | SHI | SN2070 | LNG | CHEVRON | ABS | 2016 |
| 99 | SHI | SN2080 | LNG | SK | ABS | 2016 |
| 100 | SHI | SN2081 | LNG | SK | ABS | 2016 |
| 101 | SHI | SN2102 | LNG | GASLOG | ABS | 2015 |
| 102 | SHI | SN2103 | LNG | GASLOG | ABS | 2016 |

7. REFERENCE LIST

7.2 Vessel Types & Performance Project

10.7) LNG

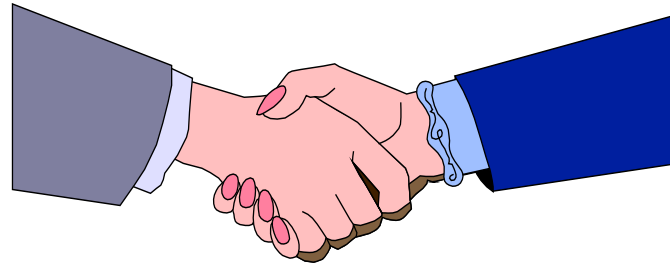
| No | Shipyard | Project Serial No. | Vessel | Owner | Class | Delivery |
|-----|----------|--------------------|--------|----------|-------|----------|
| 103 | SHI | SN2107 | LNG | FLEX | ABS | 2017 |
| 104 | SHI | SN2108 | LNG | FLEX | ABS | 2017 |
| 105 | SHI | SN2130 | LNG | GASLOG | ABS | 2016 |
| 106 | SHI | SN2131 | LNG | GASLOG | ABS | 2017 |
| 107 | SHI | SN2142 | LNG | RELIANCE | ABS | 2017 |
| 108 | SHI | SN2147 | LNG | RELIANCE | ABS | 2017 |
| 109 | SHI | SN2148 | LNG | MBK | ABS | 2017 |
| 110 | SHI | SN2150 | LNG | CAMERON | ABS | 2017 |
| 111 | SHI | SN2153 | LNG | GOLAR | ABS | 2016 |
| 112 | SHI | SN2154 | LNG | GOLAR | ABS | 2017 |

※ These are only typical projects of our whole reference.
Other merchant vessels references are not written on this company introduction data.

7. REFERENCE LIST

7.3 Project Owner List





THANK YOU

