

# Company Introduction

## KPLENG

90 Cubie Centum 707 Centum, Centum-ro, Haeundae-gu, Busan

TEL : 010-2711-9865 FAX : 0504-040-9865

[kpl-eng.co.kr](http://kpl-eng.co.kr)





## “ Total solution of Package Engineering ”

We provide package engineering technology for various rotary devices and ancillary facilities such as compressors, blowers, and pumps, and provide mechanical performance and control technology optimized to meet the requirements of the client company. We design, purchase, and project management for EPC projects that require various and rigorous specifications, such as Hei petrochemicals, power generation, and marine plants, and provide the best engineering services that reflect the needs of domestic and foreign customers. In addition, we maintain and modify the supplied systems to provide the best customer service, and provide optimal design and manufacturing services for heat exchangers and pressure vessels.



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# Products & Services

engineering services  
Compressor & Blower  
Air & Gas Dryer  
Nitrogen Generator  
Sound Enclosure  
Control System  
Services

**Total solution of Package Engineering**

# Engineering Services

1. We provide optimized system design for mechanical equipment, including the integration of all types of compressors, blowers, and auxiliary facilities, and provide total engineering services including 3D modeling.

2. We provide engineering services from basic design of heat exchangers and pressure vessels to manufacturing, delivery and installation.

- Applicable Type**
- Turbo Compressor
  - Screw Compressor
  - Reciprocating Compressor
  - Blower
  - Engine Drive Compressor
  - Mobile Compressor
  - Heat exchanger and pressure vessel

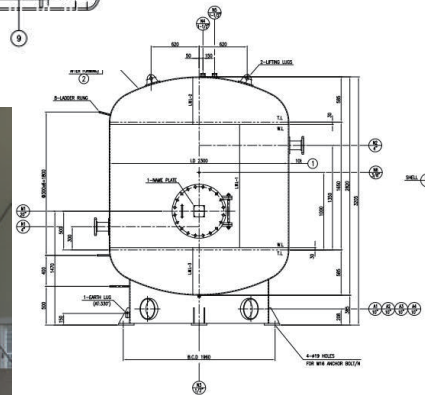
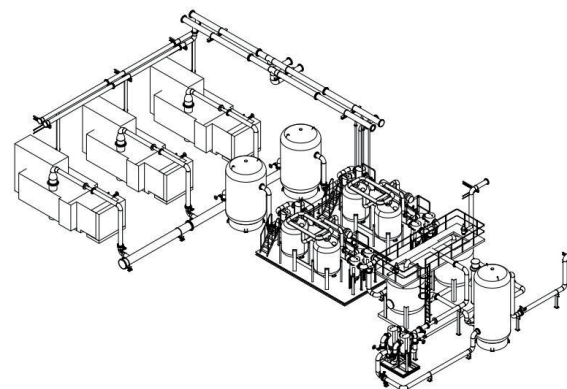
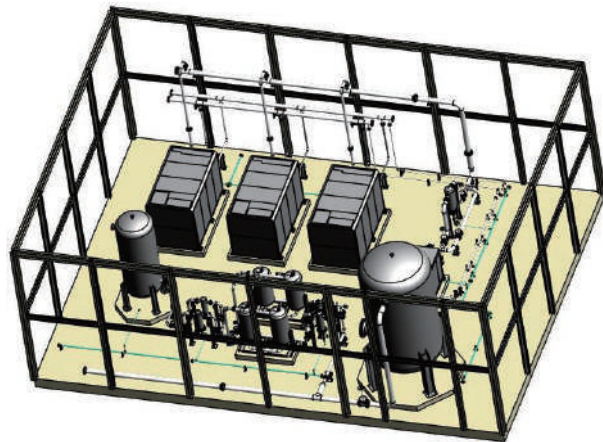
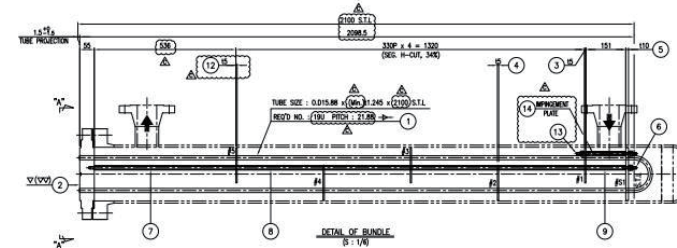
- Application**
- Air & Gas I/A, P/A
  - Breathing Air Compressor
  - Auxiliary facilities such as compressors
  - Heat exchangers and pressure vessels for oil refining and petrochemicals

- Key Features**
- Design and production according to various requirements
  - Air-cooled / Water-cooled
  - Compliance with various standards
  - Application of various PLCs

## Heat exchanger and pressure vessel

- Compressor packages for onshore and offshore (FPSO) plants
- Design (modeling) and production
- Reflection of various standards and regulations
- Installation Commissioning

- Design (modeling) and production
- Reflection of various standards and regulations
- Installation test run



# Compressor And Blower Package



- Compressor package for shipbuilding plant
- Design (modeling) and fabrication
- Standard standards and regulations reflected
- Mobile installation available
- Soundproof design structure
- Installation commissioning

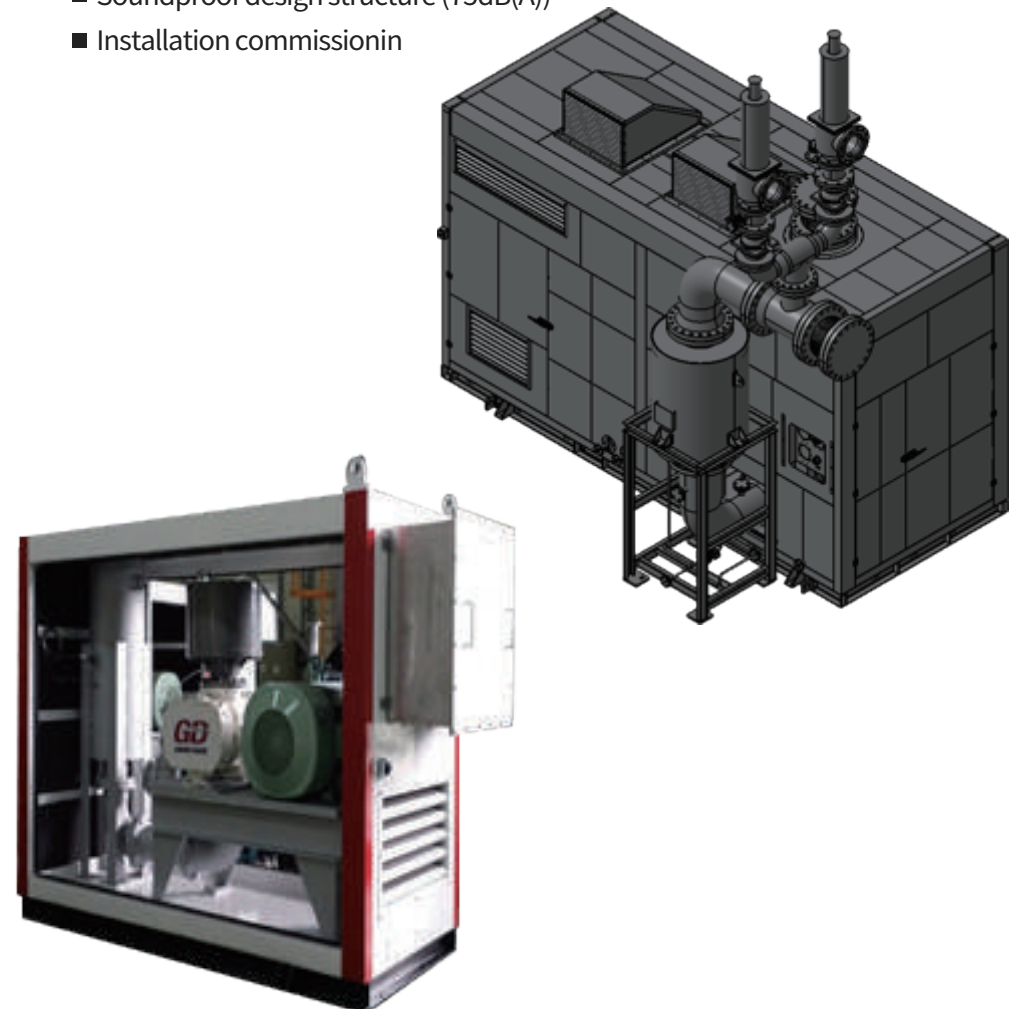
## Compressor Package

- Compressor Package For Land And Marine (Fpso) Plant
- Design (Modelling) And Manufacturing
- Reflection Of Various Standards And Regulations
- Moveable Installable
- Soundproof Design Structure (75 Dba)
- Installation Commissioning



## Blower package

- Blower package for power plant
- Design (modeling) and manufacturing
- Reflecting various standards and regulations
- Soundproof design structure (75dB(A))
- Installation commissionin





## Air & Gas Dryer

We can design dryers to meet your requirements and specifications, and we offer a wide range of products. Choose the best specifications.

- Adsorption Type Dryer
  - Blower Nampurge
  - Compressed Nampurge
  - Purge Heater
  - Unheated Diet
  
- Freezing Dryer
  - Direct Freezing System
  - Indirect Refrigeration System

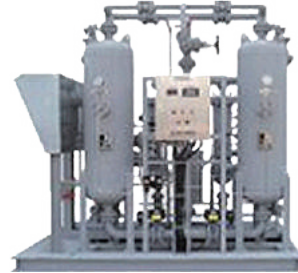
### Blower Heater Non Purge Type - BHP Series

- 3,500 ~ 35,000SCMH (2,060 ~ 20,600SCFM)
- Pressure dew point -40°C to 110°C (-40 °F to -166 °F)
- Air quality according to ISO 8573-1 compressed air purity class



### Pressure Swing Heaterless Type - PSH Series

- Air dryer, adsorption air drying system
- Non-heating regenerative type
- 230 ~ 6,000 SCMH (135.4 ~ 3,531.5 SCFM)
- Pressure dew point -40°C to 100°C (-40 °F to -148 °F)
- ISO compressed air purity class 0-2



### Blower Heater Purge Type - BHP Series

- Air dryer, adsorption air drying system
- Heater blower heating regeneration
- 1,000 to 20,00 SCMH (588.6 to -11,771.6 SCFM °F)
- Pressure dew point -40°C to -100°C (-40° F to -148° F)



### Compressed Air Heater Purge Type - CHP Series

- 500 ~ 10,000 SCMH (294.3 ~ 5,885.8 SCFM)
- Pressure Dew Point -40°C to -100°C (-148° F)
- ISO compressed air purity class 0-2



### Compressed Air Heater Non Purge Type - CHNP Seriesv

- Air dryer, adsorption air drying system
- Heater 2-stage compressed heat regenerative air dryer
- 3100 ~ 28,000 SCMH (1,824.6 ~ 16,480.5 SCFM)
- Pressure dew point -40°C to -100°C (-40° F to -148° F)



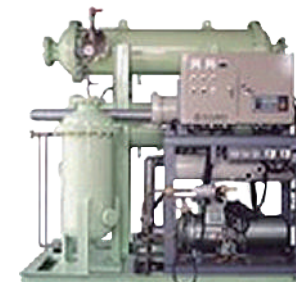
### IPA dryer

- liquid dryer
- Flow rate: 6,000 Kg/hr
- Pressure: 3kg/cm<sup>2</sup>G
- Flow rate: 5,000 M<sup>3</sup>/hr
- Pressure: 1.2 kg/cm<sup>2</sup>G



### Refrigeration Chiller Direct Expansion Type - RCD Series

- Air dryer, adsorption air drying system
- Direct cooling type
- 2,000 ~ 30,000 SCMH (1,177.2 ~ 17,657.3 SCFM)
- Pressure dew point -4° (-40° F to -148° F)
- ISO compressed air purity class 4



### Refrigeration Water Chiller Type - RCI Series

- Air dryer, adsorption air drying system
- Indirect cooling type
- 2,000 ~ 30,000 SCMH (1,177.2 ~ 17,657.3 SCFM)
- Pressure dew point 4°C (39.2° F)
- ISO compressed air purity class 4





## N2 Generator

Nitrogen generators are based on adsorption system technology that allows high-purity nitrogen gas to be removed from air I will produce it directly. It is possible to design and produce according to various requirements and specifications. Provide products.

- pressure swing adsorption type
- vacuum-pressure swing adsorption system
- nitrogen purifier
- nitrogen generator package



## Vacuum-pressure Swing Adsorption System - HVN Series

- Production is possible according to user's requirements and specifications.



## Pressure Swing Adsorption Type - HRK / HY Series

- 20 to 1000 SCMh (11.8 SCFM to 588.6 SCFM)
- Purity : 99% to 99.99%

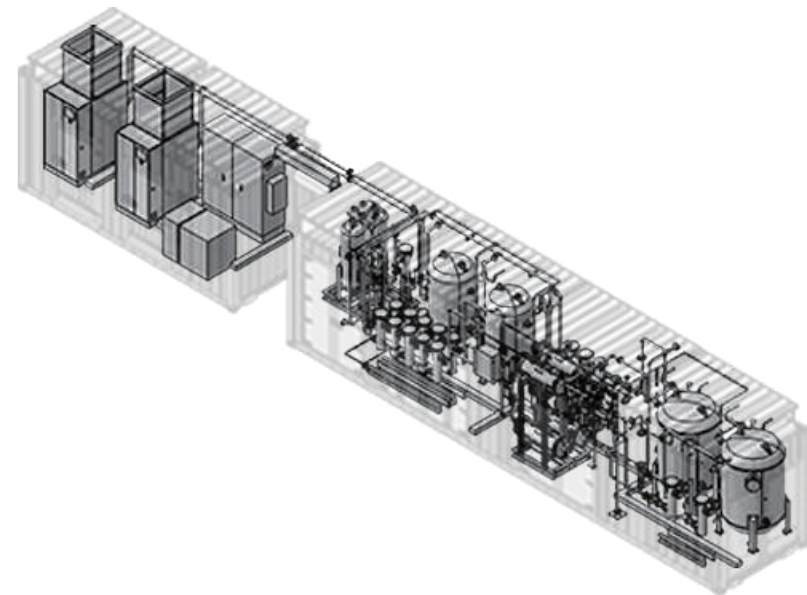


## Nitrogen Purifier - N2 Purifier

- It can be produced according to user's requirements and specifications.
- Purity : 99.9% to 99.999%

## MAISAN N2 GENERATOR PACKAGE

- LOCATION : Middle East Asia
- TYPE : compressor & Dryer x 2(100%)  
with control system (Redundancy), OUTDOOR
- Code & Standards : IEC / NFPA / ASME / API 외
- Purity : 99.7%
- Controller : PLC(SIEMENS)  
Redundancy Control
- N<sub>2</sub> Generator : PSA Type



## Sound Enclosure

Reduce the noise generated by rotating a variety of rotary machines to meet your requirements. Designable, safe and stable operation equipment is provided.



압축기용 인클로저  
블로워용 인클로저  
펌프용 인클로저

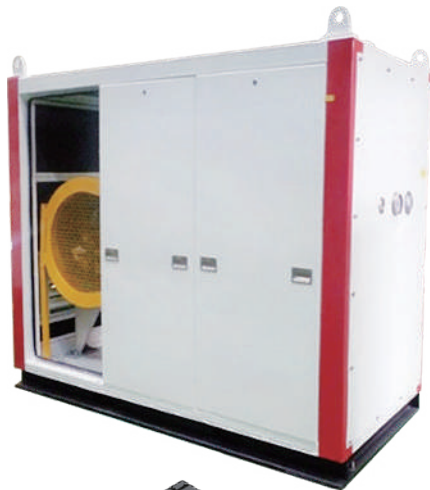
## Enclosure For Pump

- EQUIPMENT : PUMP (VERTICAL)
- SOUND LEVEL : 75dB (A)
- TYPE : WORK - IN / INDOOR



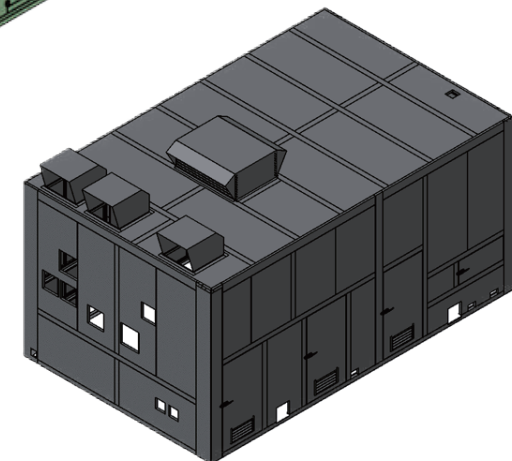
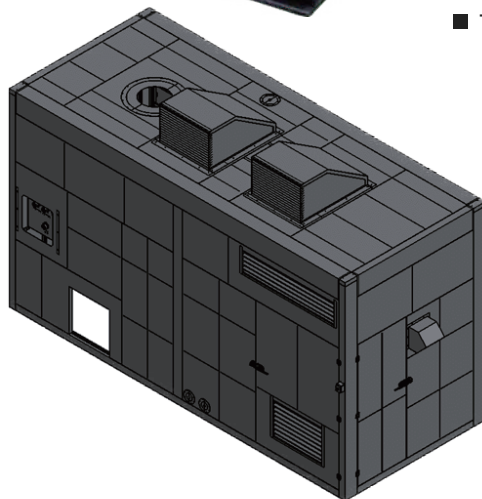
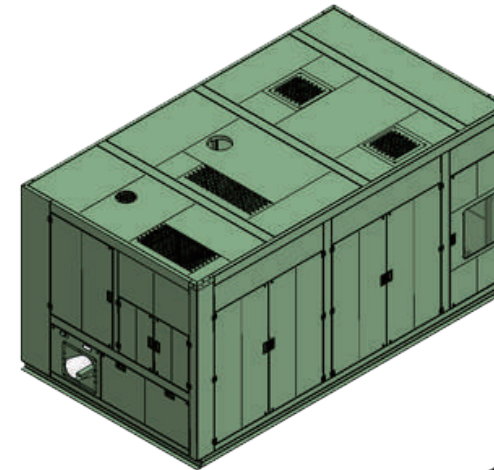
## Compressor Enclosure

- AIR & GAS
- EQUIPMENT : COMPCESSOR
- SOUND LEVEL : 75dB (A)
- TYPE : INDOOR / OUTDOOR



## Enclosure For Blower

- EQUIPMENT : BLOWER
- SOUND LEVEL : 75dB (A)
- TYPE : INDOOR / PORTABLE



## Control System

Designed for control of compressed air systems with a variety of specifications to meet various requirements Provides optimal system configuration.

Compressor And Dryer Control System  
Nitrogen Supply System  
Compressed Air Purity Measuring System  
Control Panel Modification





## Services

We provide various technical support for customer satisfaction and all services such as diagnosis, maintenance, and remodeling of facilities in use.

- Installation, commissioning and commissioning services
- Facility diagnosis (energy and noise diagnosis)
- Maintenance and maintenance
- Equipment modification
- Parts repair and restoration



Total Solution of Mechanical Engineering