

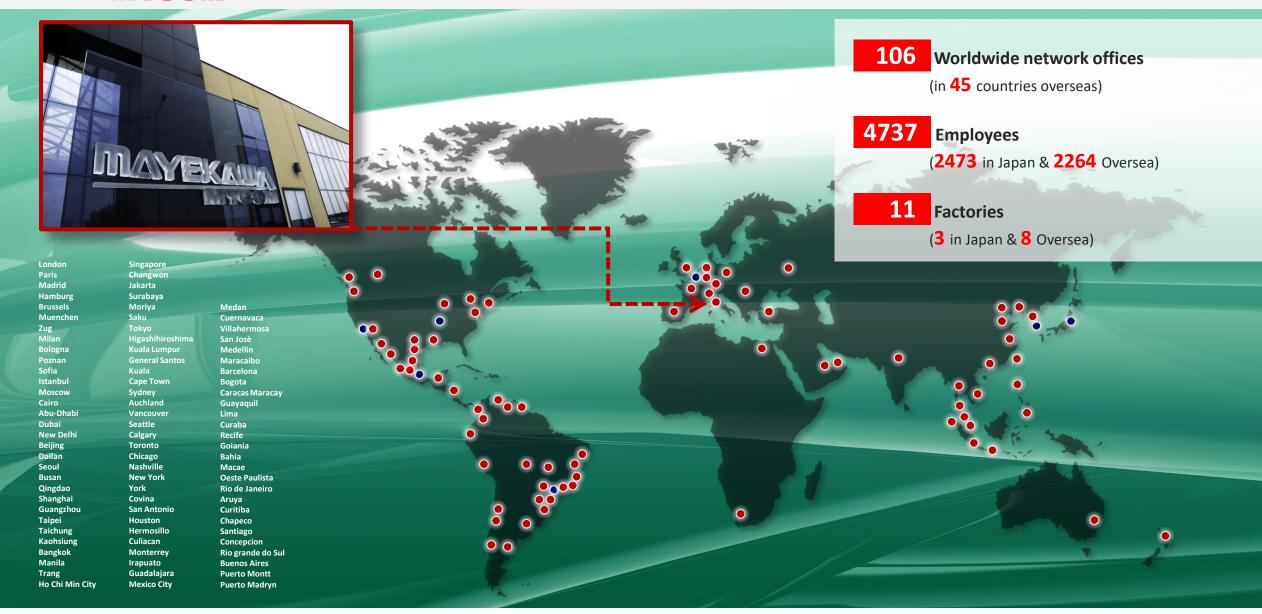


STANDARD PACKAGE DIVISION

Light Chemical Applications























First Reciprocating Compressor

Multiple Cylinder Reciprocating Compressor

Screw Compressor

Ethylene Plant

4K Super Low Temp. Particle Accelerator

LNG Tanker

1924

1958

1960

1970

1978

1980

- Company founded in 1924.
- Over 90,000 screw and reciprocating compressors running in more than 100 countries.
- 40% of the world market share.





- Company founded in 1924.
- Over 90,000 screw and reciprocating compressors running in more than 100 countries.
- 40% of the world market share.



HISTORY OF COMPRESSORS PRODUCTION



1924 **Vertical Compressor**



1958 Multi-Cylinder Compressor



1964 **Screw Compressor**



1968 **Dual-Stage Screw** Compressor



1968 **UD/G-Series C-Series** UD/G-series C-series Widely used single and two-stage gas compressor series (with cast steels casing / compliant to API 619)

1998

VR-Series



VR-series The line of rugged, oil injected, integral gear box screw compressors designed specifically for engine driven field gas application.

2003 **GH-Series**



GH-series High pressure with high efficiency, due to a new rotor profile.

2011

J-Series



Mayekawa's new standard single-stage screw compressor for premium efficiency with the new rotor profile, J profile. The completely new design provides more CFM for less HP.

2011

FX-Series



FX-series

Oil flooded screw compressor for On & Offshore VRU, FGRU, Gas Compression. Process Refrigeration applications. The benefits of both Dry & Wet screw compressors with much simpler construction than Dry screw compressors.

2017

API J-Series

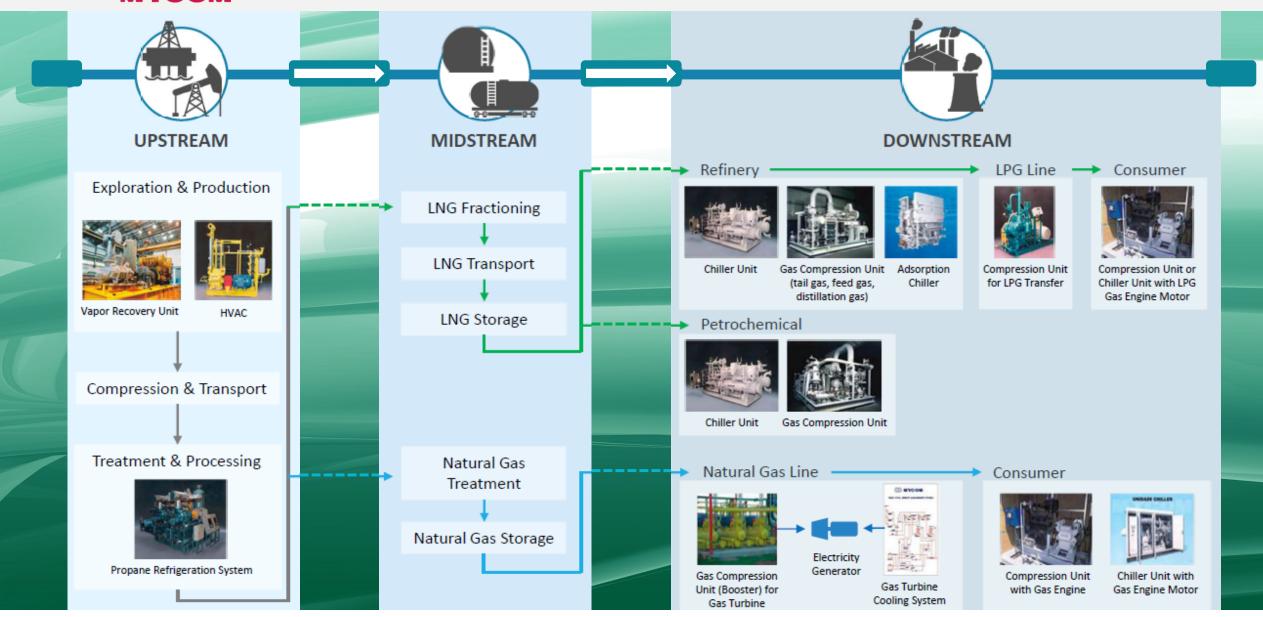


API J-series

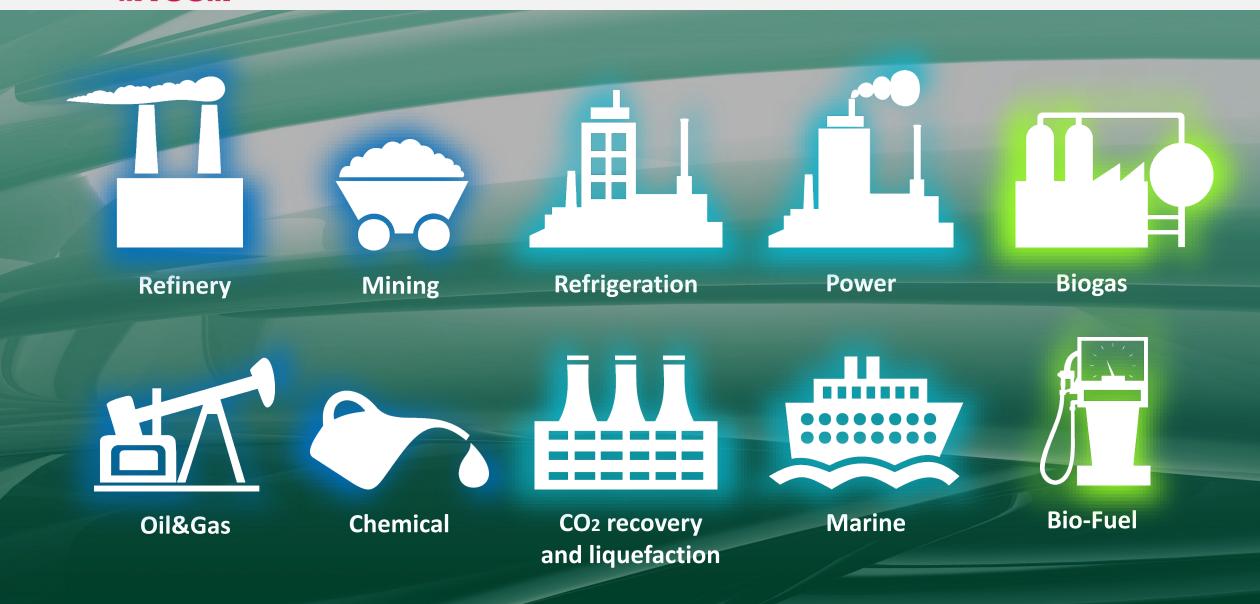
All the benefit of the J-series compressor, with API compliance.



FROM NATURAL GAS DRILLING TO END USERS







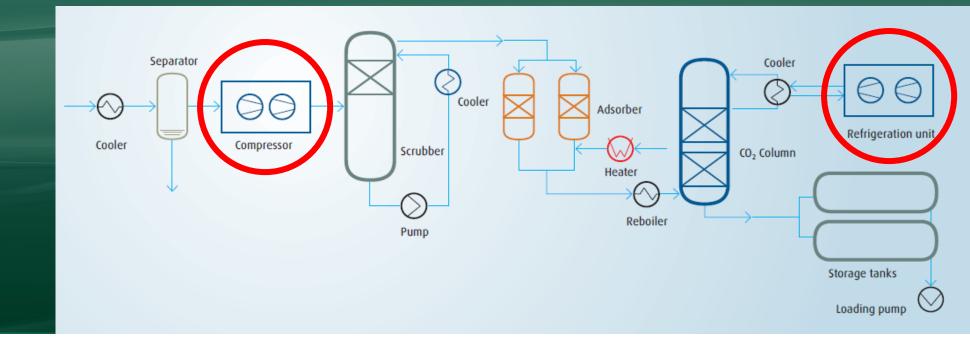


CO₂ LIQUEFACTION AND PURIFICATION APPLICATIONS

Our compression units support :

- Ammonia
- Ethylene oxide/glycol
- (Bio) Ethanol
- Natural wells
- Refineries
- Synthesis gas
- Biogas
- Natural gas sweetening processes

- Step-by-step process flow pre-cooling and compression.
- This unit cools down the water-saturated feed gas and then separates the water.
- The cooled gas is sent to the CO₂ compressor to increase the pressure up to operating conditions. Boil-off gas from the storage tanks can also be recycled to the compressor.
- Oil filters and various adsorbers can be added downstream as required to remove additional components such as hydrogen sulfide (H₂S).
- Mayekawa can supply the CO₂ compressor and NH₃ compressor unit.





Hydrogen has been identified as a key element for the decarbonization of different sectors:

- Energy
- Mobility
- Industry
- Residential

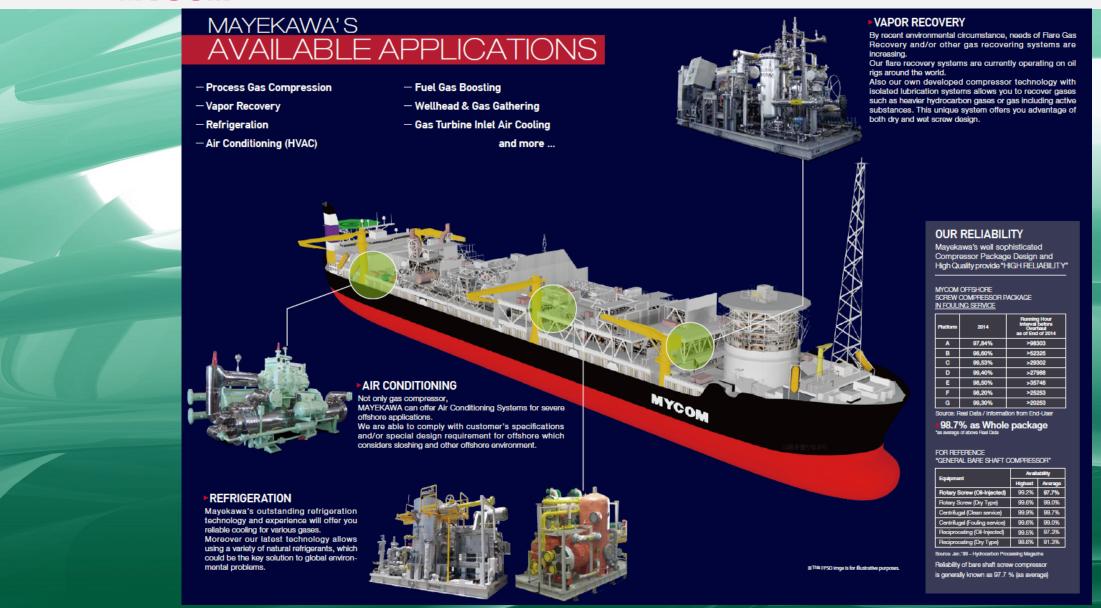
OUR CHALLENGE

A lot of investments in decarbonization of the Planet and in green technology where our standard compressor unit can be used:

- Biogas upgrading plants
- Power Purchase Agreement (PPA)
- Hydrogen production plants
- CO₂ liquefaction plant
- CO₂ recovery system (CCS)













MAYEKAWA ITALIA Sri



Via Pradazzo, 7 40021 Calderara di Reno (Bologna) Italy

https://mayekawa.it



standard-package@mayekawa.it