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Market Trends

Mayekawa Australia Pty Ltd
Peter O'Neill

Commitment on Natural Refrigerants



Mayekawa World Map

Plants in Japan : Ibaraki / Hiroshima / Nagano
 Overseas Plants : U.S.A. / Mexico / Belgium / Brazil / Korea / India

Founded: 1924
 Location: Tokyo, Japan
 Turnover: US\$1.5 Billion
 Employees: 3,450 (38 countries)

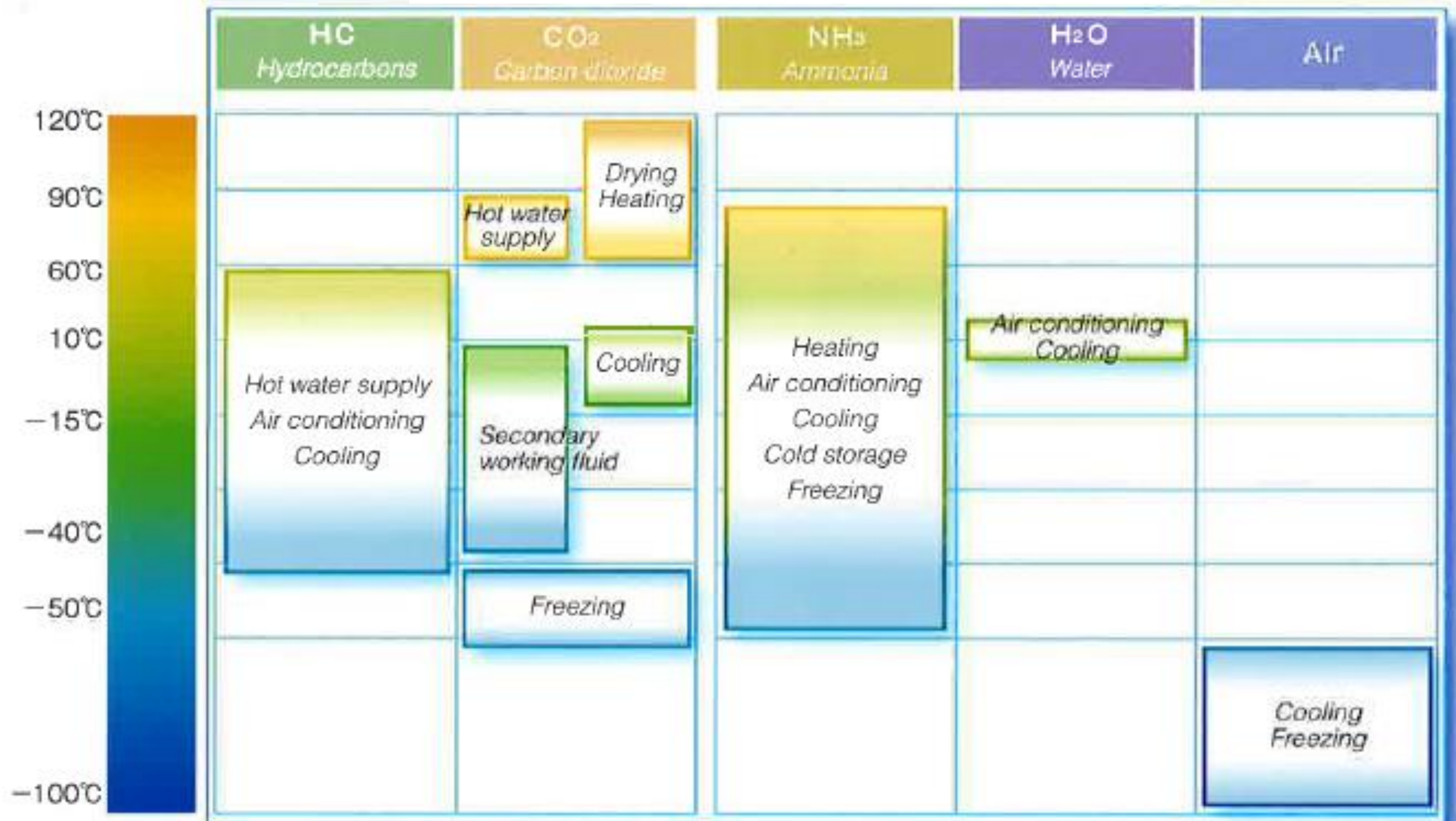


60 Offices in Japan / **3** Plants in Japan / **38** Countries / **102** Offices / **6** Plants



※2014年4月現在

NATURAL FIVE



Five environmentally friendly natural refrigerants applied to refrigeration, air conditioning, heating and hot water supply

Global Trends – Industrial Refrigeration

Refrigerants/Applications

- R717 – Low Charge
- R717/CO2 secondary
- Cascade CO2
- Brine - secondary

Global Trends – Industrial Refrigeration

Current Concerns

- Safety/Environmental issues – large amounts of NH₃ charge
- Awareness of future trends amongst technicians
- What refrigerant to use/can be used
- Training and upskilling of current/future tradespeople

Global Trends – Industrial Refrigeration

Possible Future Trends

- Training on system design/installation of natural refrigerant systems
- Plug & Play equipment
- Safety & Security – low NH₃ charge
- Higher reliability equipment – OEM packaged
- Government assistance/funding of energy efficient, natural refrigerant projects



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Thank you very much!

