



ATMO sphere





Increasing adoption of CO₂-based technologies in
the private sector

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Project Scope

Transcritical booster

- Parallel compression
- Heat reclaim (Space heating)
- MT = 70kW @ -5°C
- LT = 18kW @ -28°C

First Copeland transcritical application
in Australia

- MT: 1 x 4MTL-12X (Driven); 1 x 4MTL-15X
- IT: 1 x 4MTL-05X (Driven); 1 x 4MTL-07X
- LT: 1 x ZOD34KCE (Unloaded); 1 x ZO45K3E



Project Client

End user: Salam Rasool

Retail: IGA

Location: Cranbourne West

Start up: 28/02/2018

Store opening: 21/03/2018



“MB Refrigeration have been my installer for many years and when they told me about the refrigerant changes and environmental impact of old refrigerants along with long term cost of ownership with CO2, I could see that it was important to embrace the new system for my latest store, I am delighted with the result.”

-Salam Rasool (IGA)



Project Collaboration

Rack design and supply:



Consultant and CRS partner:



Contractor:



Project Feedback

- Simplicity
 - Serviceability
 - Quick start up
 - Support
 - Integrated solution
 - Efficiency
 - Hussmann
-
- Future for MB Refrigeration and CO2



Moving forward

- Solution driven
- Client focused
- Support
- Service
- Training
- Growing CRS presence in Australia
- Avance partnership



CRS Projects

- 100+ Transcritical stores in S.A.
- Heat pumps
- Industrial:
 - In2Foods (2.7MW)
 - Blast freezing
 - Chilled and hot H2O
 - Evergreen (2,2MW)
 - California (4MW)
 - Few more in pipeline





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Thank you very much!

