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TECHNOLOGY LEADERSHIP ROUND TABLE

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INTRODUCTION

Scantec Refrigeration Technologies – Who We Are:

- Industrial Refrigeration Contractors specializing in NH_3
- Reduction in recorded SEC by approximately ten times from 2005/6 to 2018
- How?
- Conversions from R22 to NH_3 and switch from liquid overfeed to DX NH_3

IS THE OVERRIDING TECHNOLOGICAL ISSUE THE HFC PHASE-DOWN?

NO

WHAT IS IT THEN?

It is the technology transformation that will be triggered by the HFC phase-down

WHAT WILL THIS MEAN?

- Huge need for awareness **RIGHT HERE AND RIGHT NOW**
- Enormous training and education needs
- Expansion of engineering disciplines needed by HVACR practitioners
- Change management tasks at an unprecedented scale in HVACR

IS THE AUSTRALIAN HVACR INDUSTRY UP TO THE CHALLENGE?

That is the \$64,000 question – there is a lot more to it than this:

- **Are there changes for refrigeration and air conditioning technicians? No.**

The national regulations and licensing for refrigerant handlers and technicians remain the same. Technicians installing or servicing equipment containing alternative gases should be appropriately trained. **Source: DoEE – FAQ sheet**

WHERE DO WE START?

By starting the transition from “unknown unknowns” to “known unknowns”

Offers of engagement, education and training to industry stakeholders will receive limited response unless industry understands its own needs.

WHAT DO WE NEED AFTER IDENTIFYING THE “KNOWN UNKNOWNNS”?

A situation analysis

A strategic plan

HAVE WE ALREADY DONE THE ABOVE JOBS?

- Is everybody aware of the Kigali Amendment?
- Are new systems with high GWP refrigerants still going in?
- Where is tertiary level training in industrial refrigeration available in Australia?
- Is the multiplexing disease alive and well?
- Do we do energy performance benchmarking?
- Are State and Federal Governments removing implementation barriers?
- Do we have a problem with “defensive engineering”?



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Thank you very much!

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