



TRAINING & SAFETY PANEL

4th of June 2013 Vincent Grass Vienna

Refrigerants in Nestlé

In industrial refrigeration

468 factories in 86 countries

Above 90% Natural



Current situation as a result of Nestlé Natural Refrigerant Program that begun in 1986



Of the 10% non natural refrigerants a number are for air conditioning systems What choice do we have for HFC-free solutions?



Enclosed packaged ammonia chillers (safety features included)

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Centralised chilled water system for new regional head office

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Centralised chilled water system for new R&D

Of the 10% non natural refrigerants a number are for air conditioning systems What choice do we have for HFC-free solutions?

CO₂ systems for small low temperature cold stores

Training And Safety When dealing with natural refrigerants

How to overcome the hurdle of lack/shortage of competences in developing countries?

- Stringent internal standards that are going beyond codes and regulations
- Internal ammonia audit
- In house trainings
- Developing customized Standard
 Operating Procedures
- Working with external training institutes

Service Providers Manufacturers

 Development of standard low charge packages "safe by design" and SOP ready
Availability of local

- service in all developing countries
- Customized trainings anywhere

 National Refrigeration Schools
NGOs training institutes (hands on trainings and certifications)

Learning process (The 70:20:10 model)

Education 10%

- Professional journals •Conferences/seminars E-learning/Blended Learning

•Books

•Formal "Training"

Relationships 20% Feedback and role models •Working around good or bad examples Mentoring

Experience 70% •On job experience •Hands on trainings Problem solving

70%

Nestle Good Food, Good Life

SOURCE: Princeton University USA

70:20:10 great theory ... how do we make it work?

How to influence education?

END-USERS CAN'T DO IT ALONE!

LIN ATMO Sphere technology summit

natural solutions

3 - 4 June 2013 in Vienna

Thank you very much for your attention

and down a stand out of

