



euramm^on

refrigerants delivered by mother nature

Report on WG IIR Refrigeration Safety, First meeting in Valencia

- *Report in brief*
- *Presentation by Holger König*
- *How can you participate?*
- *Conclusions*

eurammon Symposium, Schaffhausen, 28-29 June 2018

A brief summary

- First an introduction to the topic
- Presentation by Mr. Holger König, Ref-Tech Engineering
- Presentation by Mr. Niels P. Vestergaard, Danfoss
- Discussions among the participants

Can be that natural refrigerants will come up

- When natural refrigerants turn up we have to learn from the accidents and become better
- The majority of accidents with ammonia happen in refrigeration – Refrigeration is a fraction of total ammonia
- HC is another corner where we are pretty good but still there are things to learn

- More incidents happen with HFC than naturals
- You get more qualified personnel when working with naturals
- You get more engaged personnel when working with naturals
- But less qualified also work with natural refrigerants
- We have to identify the problems working with all refrigerants and become better at handling all types of refrigerants

Today

- Who and how can we participate?
- What information do we provide and in what format?
- What will we get out of our participation?
- What if others will try to mis-use our information?
- Confidential information? Not included. Only public available information will be taken in to account.

- How did air traffic become as safe as it actually is?
- All companies have an interest in contributing openly in an attempt to minimise the number of accidents
- Our industry has a problem with recruitment, why?
- **We all have the right of returning to our homes after ended working day in the same shape as we went to work**

How to proceed from here

- When you see something on the net about accidents, please collect as much information as possible
- We are working on a reporting format that makes it possible make the reports searchable and easy to make statistics
- We will make a guide line and a summary, based on the learnings from the reported accidents, which all will be available for download

Conclusion and expectation for this WG @IIR

- Development of an IIR Guideline/IIR note for
 - Scientifically verified definitions of key terms, clarifications of wording and understanding of “Safety”, “Risk”, “Hazards” etc. applied to refrigeration
 - For risk evaluation processes for refrigeration systems using flammable refrigerants
- Review of foundations for safe work environments applied for technical work and description of methods for risk mitigation
 - For business enterprises operators, owners, management, politicians



Thank you for your attention



eurammon steht Ihnen immer als Sparringspartner für Fragen rund um Kältetechnik mit natürlichen Kältemitteln zur Verfügung.

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