

Pat Maughan

CEO Hubbard Products

The Cold Chain challenges





Regulatory – Global requirements

Kigali

Global implementation of the Kigali Amendment would prevent up to 80 billion tonnes CO₂ equivalent of emissions by 2050.

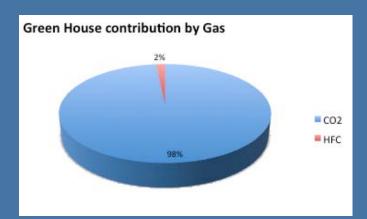
- The global phasedown of hydrofluorocarbons (HFCs) powerful greenhouse gases to combat ozone depletion.
- Need to reduce GWP
- Increasing efficiency demands and environmental legislation is driving an intensification in the use of CO₂ refrigeration.

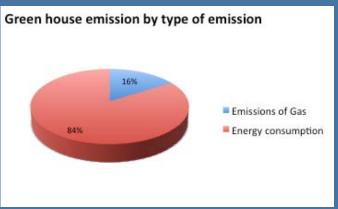


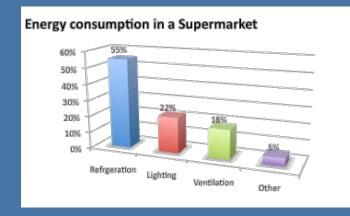
Regulatory – Regional requirements

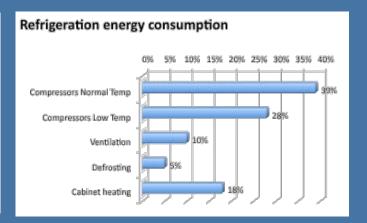


Losing sight of the problem











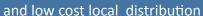
Solutions - that enable communities

From subsistence fishing - high level of waste





through beach front ice plant

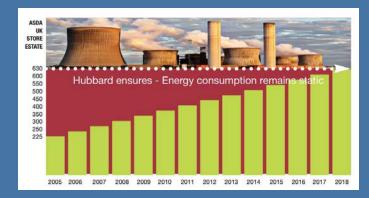




To sustainable - commercial fishery



Solutions - bespoke partnerships





Affiliate relationship



The ASDA Hubbard story

- Increased cooling capacity
- Doubles size of estate for lower GWP
- Minimises leakage at 5%
 - *European average traditionally up to 22%
 - •• Non-European average traditionally up to 50%
- Superior load balancing
- Reduced energy consumption



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Thank you



