

Natural refrigerants for commercial freezers

Practical experience

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AHT Cooling Systems Asia Limited
Sales Director







Supermarket equipment







Supermarket installations worldwide



Korea

More than
530,000 cabinets with R290
supplied to all over the
world







Supermarket installations worldwide

Key features in general

- stand-alone cabinets or banked together in an isle
- environmental friendly
 - natural refrigerant and low energy consumption
 - the cabinets keep products in perfect temperature
- significant energy savings compared to remote systems
- 60% reduction in running costs compared to open top freezers
- available with internal light
- low capital costs
- large volume capacity
- best visibility due to curved lids and lowered front edges
- flexibility in the store (plug in solution)





Supermarket installations Thailand







Benefits of natural refrigerants

TEWI = total equivalent of warming impact

TEWI – influences

TEWI =

direct influences

Natural rate frige (antsola)) +

- indirect influences
 - energy consumption

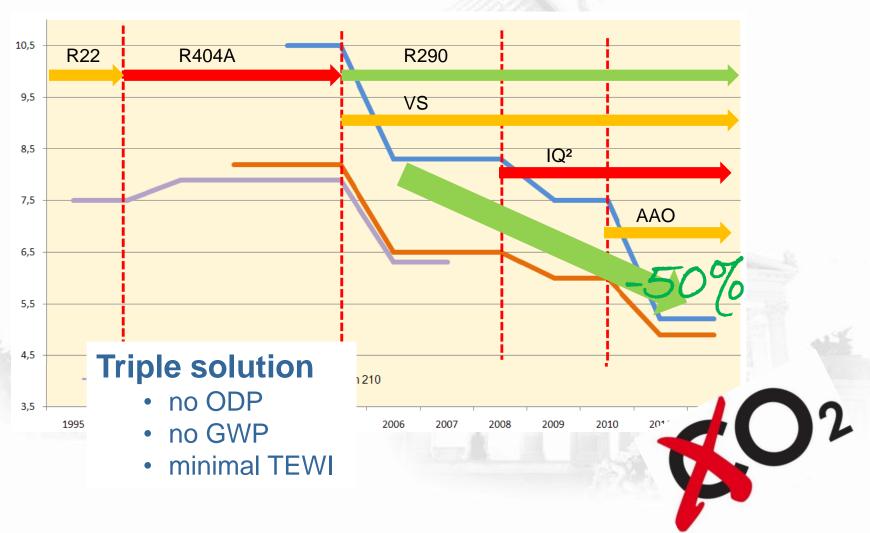
(n x E x beta)

Reduction of the energy consumption





Energy consumption in kWh/24h





Thank you very much!



your "freshness partner" worldwide