



solutions for europe

natural refrigerants

16-17 March 2015 in Brussels

Nature and Technology Working as One

SCM present and future development

SCM Product range Natural Refrigerants

2005

CO₂ - Subcritical rack systems



2006

CO₂ – Transcritical Packs



2007

CO₂ - Pump circulation Systems for medium and low temperature application



2010

NH₃ – Chiller with low ammonia charge for outdoor installation



2013

CO₂ - “Plug’n Cool” booster range with integrated gas cooler
CO₂ - Condensing units range



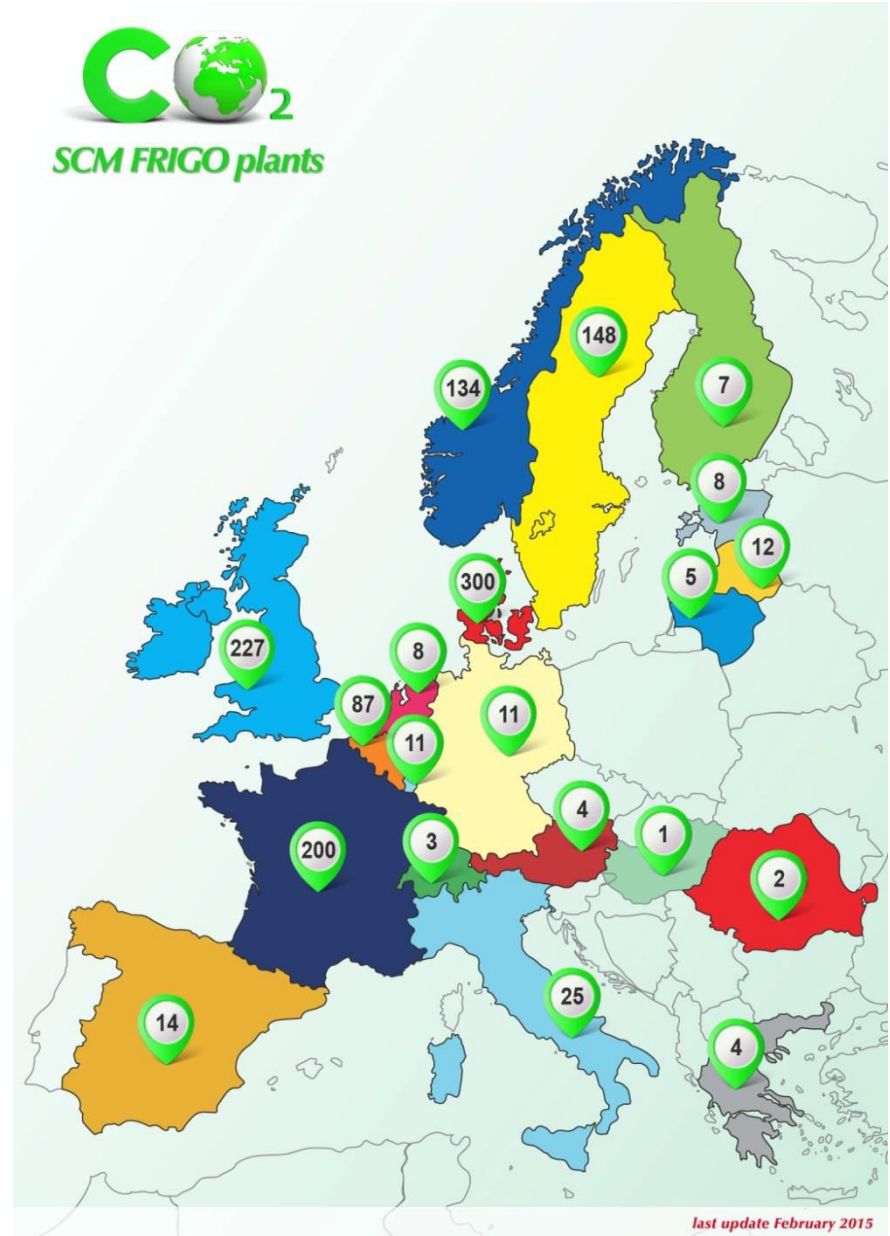
2014

CO₂ - Transcritical New Generation
NH₃ – Indoor systems



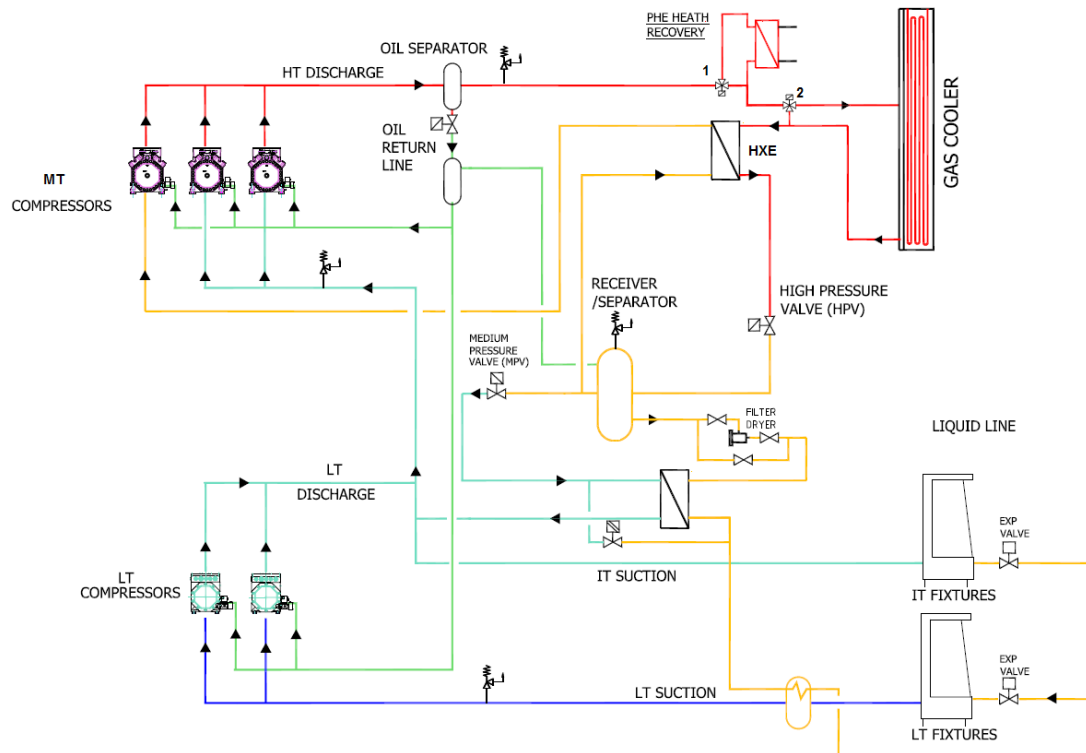
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- More than n° 1200 CO₂ units
- We supply the **biggest retailers** with environmental focus
- **Training center** for customers
- **Supervision @ start up** by our engineers
- Flexible production, **fast and reliable delivery time**
- Continuous **product development**



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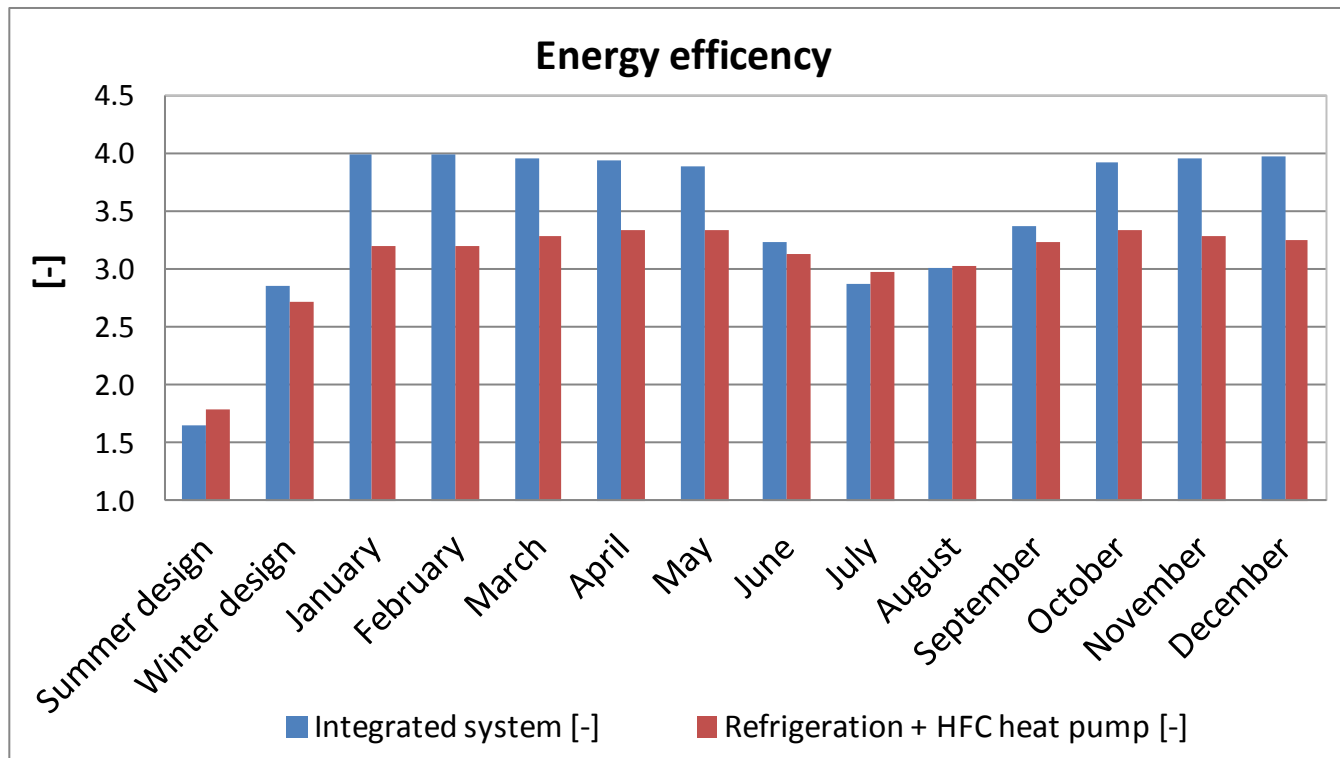
EFFICIENCY BOOST: up to +15% with parallel compression



20 units in operation with **Parallel Compression** and **HR** (Belgium, Spain, France)

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EFFICIENCY BOOST: “Full Integrated” (CP, HR and TW, AC, Heat Pump) system gives very good results



10 “Full Integrated” units in operation. Efficiency improvements under evaluation

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NEW ALTERNATIVES: NH₃ and NH₃+CO₂ systems



SCM new range of NH₃ units for indoor installation with the following features:

- Capacities from 100 to 1MW Normal Cooling
- Configuration with 2 or 3 compressors in parallel
- Water cooled or remote condenser
- Flooded evaporator with U-Turn technology
- Easy oil management

- CO₂ has become a solid reality in the refrigeration market
- New developments are increasing efficiency and moving CO₂ boundaries southwards
- Combination of natural refrigerants to further spread responsible refrigeration



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Thank you very much!