

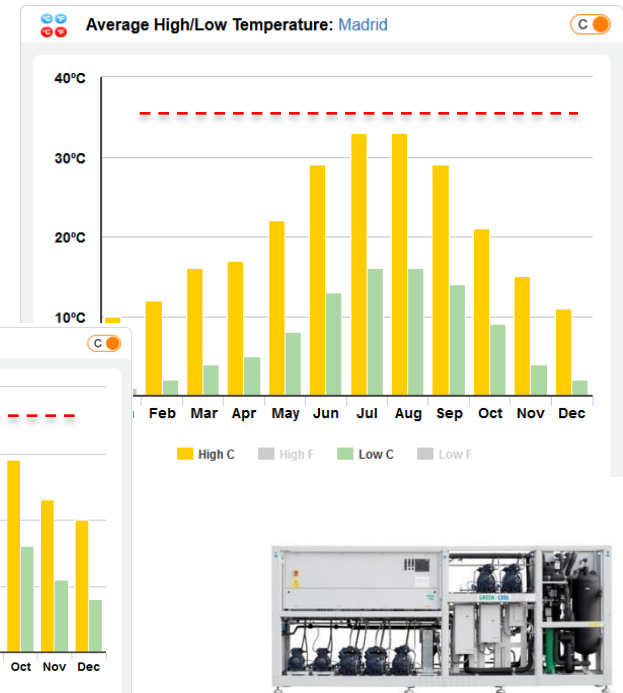
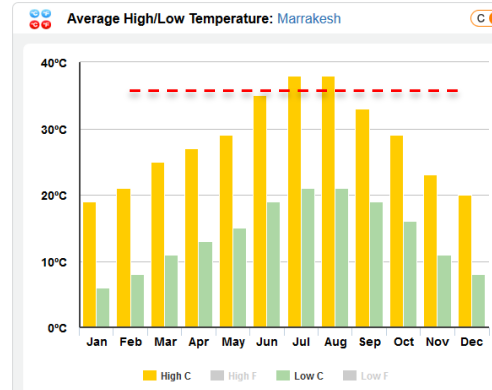
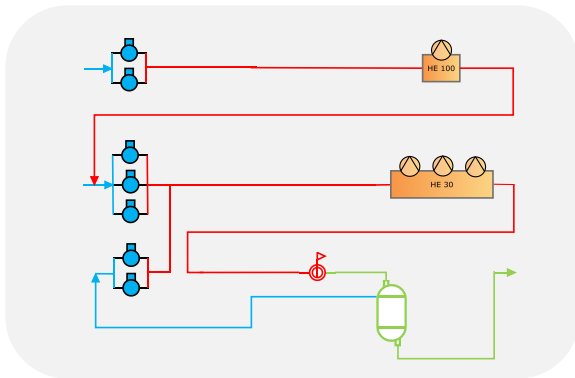
What can be done to achieve cost-effective and reliable solutions applicable in hot climates and how can you achieve cost efficiency in smaller formats?

Micael Antonsson

Technical director

Hot Climate solutions

- Parallel compression, Hybrid or Adjustable Ejector.
- How many days a year can we expect extreme conditions?
- Peak ambient elimination.
- Standstill PS.



Cost effective solutions for smaller formats

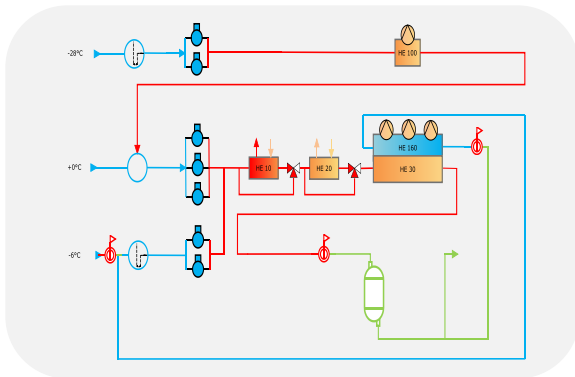
- Cost-effective, if the entire refrigeration (MT/LT/AC) installation is included, along with heating and hot water production.
- Proven energy savings.

System Item	Energy Saving kWh	Energy Saving %
Combined Refrigeration & HVAC	31,404.11kWh	45.81%
Refrigeration Plant Only	2,584.8kWh	7.18%
HVAC Equipment Only	28,819.31kWh	88.45%

The table and graph below detail how the energy was saved on a month by month basis.

Total Use kWh				
Date	Cockfosters	St Ives	Diff	Total Saving
08/08/2014	0	0	0	0
18/09/2014	12353.41	7900.72	4452.69	4452.69
15/10/2014	8689.57	5002.12	3687.45	8140.14
19/11/2014	10632.37	6332.18	4300.19	12440.33
10/12/2014	7822.52	4041.88	3780.64	16220.97
16/02/2015	27442.04	13858.9	15183.14	31404.11

BP/M&S St Ives, for the period 8/8/14 – 10/12/14





solutions for europe

natural refrigerants

16-17 March 2015 in Brussels

Thank You for your attention!