ClimaCheck Sweden AB

IMPROVED
ENERGY EFFICIENCY

HIGH
RELIABILITY

REDUCED
ENVIRONMENTAL
IMPACT

WWF Climate Solver 2011

ACR NEWS AWARDS 2009 Winner Refrigeration Product of the Year

The food sector - from manufacturing to supermarket

Companies working with frozen or chilled food have the opportunity to drastically reduce the costs for energy and service by ensuring optimum operation of their cooling and freezing equipment.

By using the unique technique which has been developed by ClimaCheck , detailed data about how your equipment operates is presented. In addition, it will reduce the risk of operational interruptions with costs of destroyed food and unhappy customers as a result.

ClimaCheck

Equipment for analysing performance
of cooling and heat pump systems

Portable unit

Fixed unit

Applications ClimaCheck

- Manufacturing-Developement and testing.
- Commisioning of cooling and heat pump systems.
- Performance analysing-optimisation.
- Inspections
- Preemptive maintance.
- Trouble shooting.
- Basis – energy saving measures
- Surveillance:
  Indication of upcoming problems and energy consumption statistics.

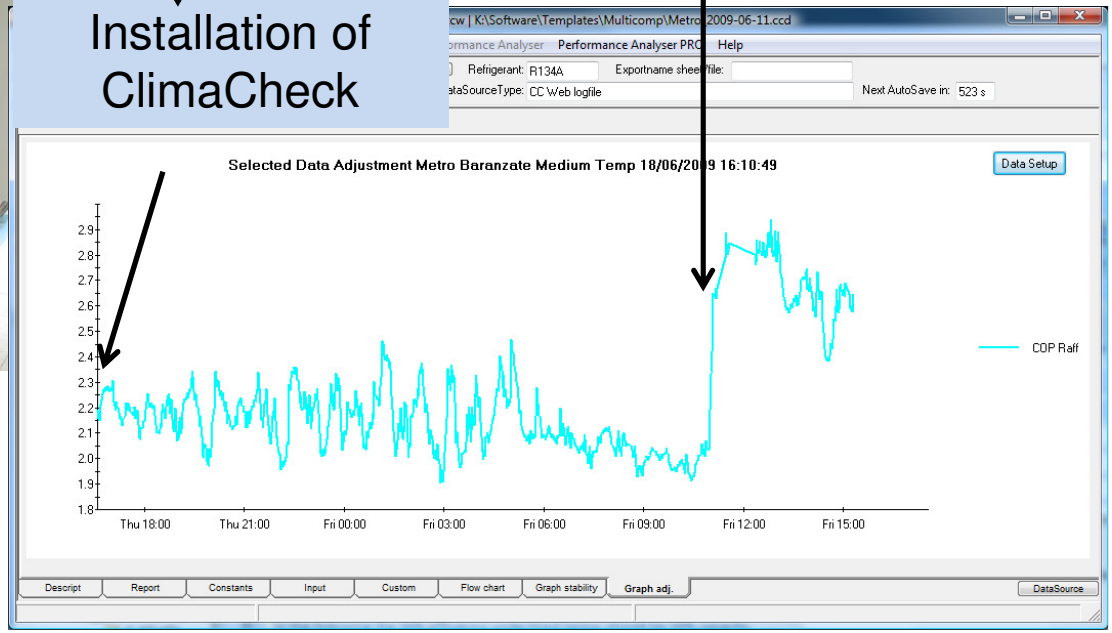
The food sector - from manufacturing to supermarket

With ClimaCheck's solution you get unbiased data to make the proper decisions in terms of service, unused capacity for additional storage of food and if the equipment is operating according to the specifications.

Italian Supermarket - Metro Baranzate in Milan
Savings: 16 000 Euro per år.

Installation of ClimaCheck

Adjustment control system
COP +27%

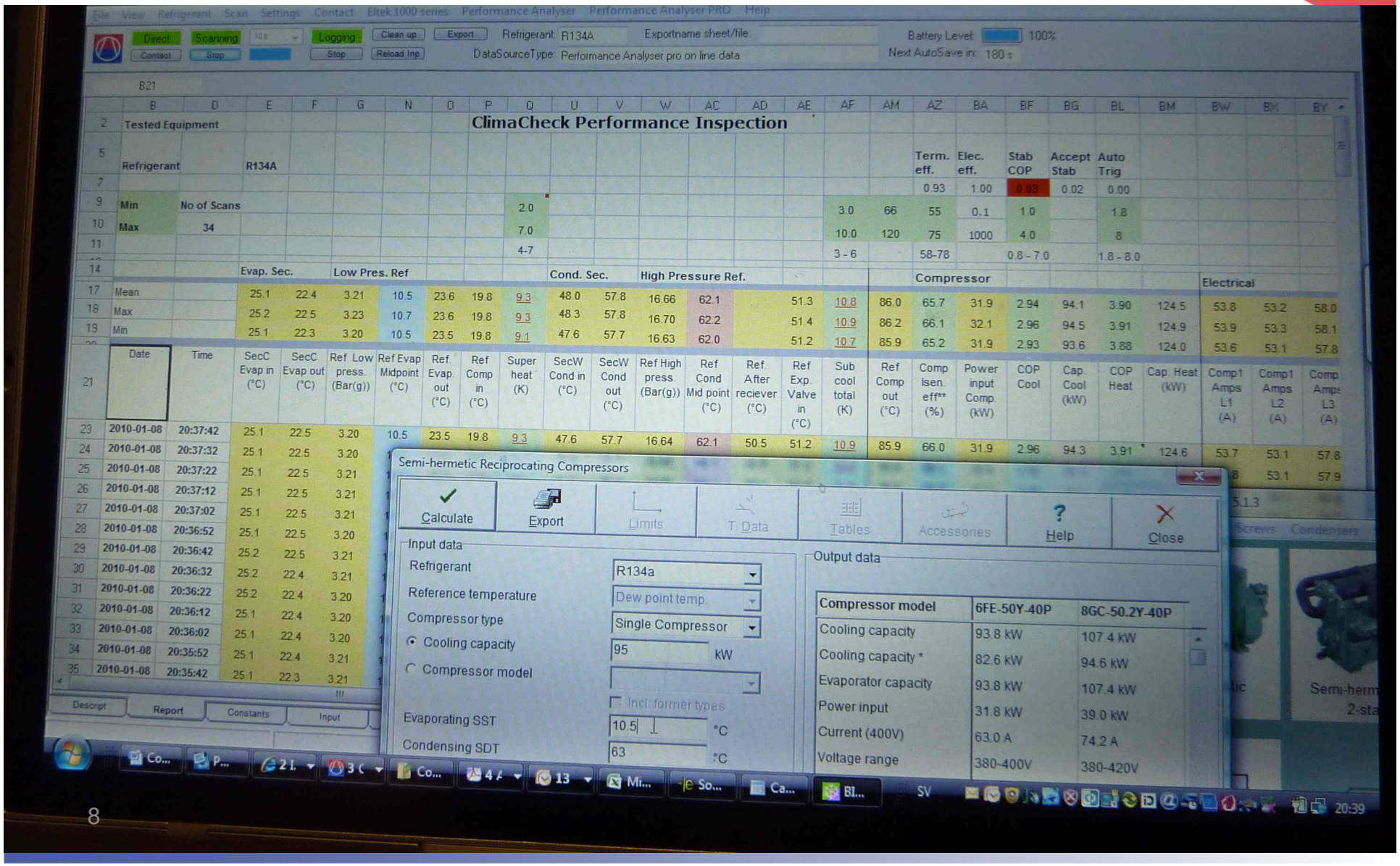


Energy optimisation project- Carrefour in Italy

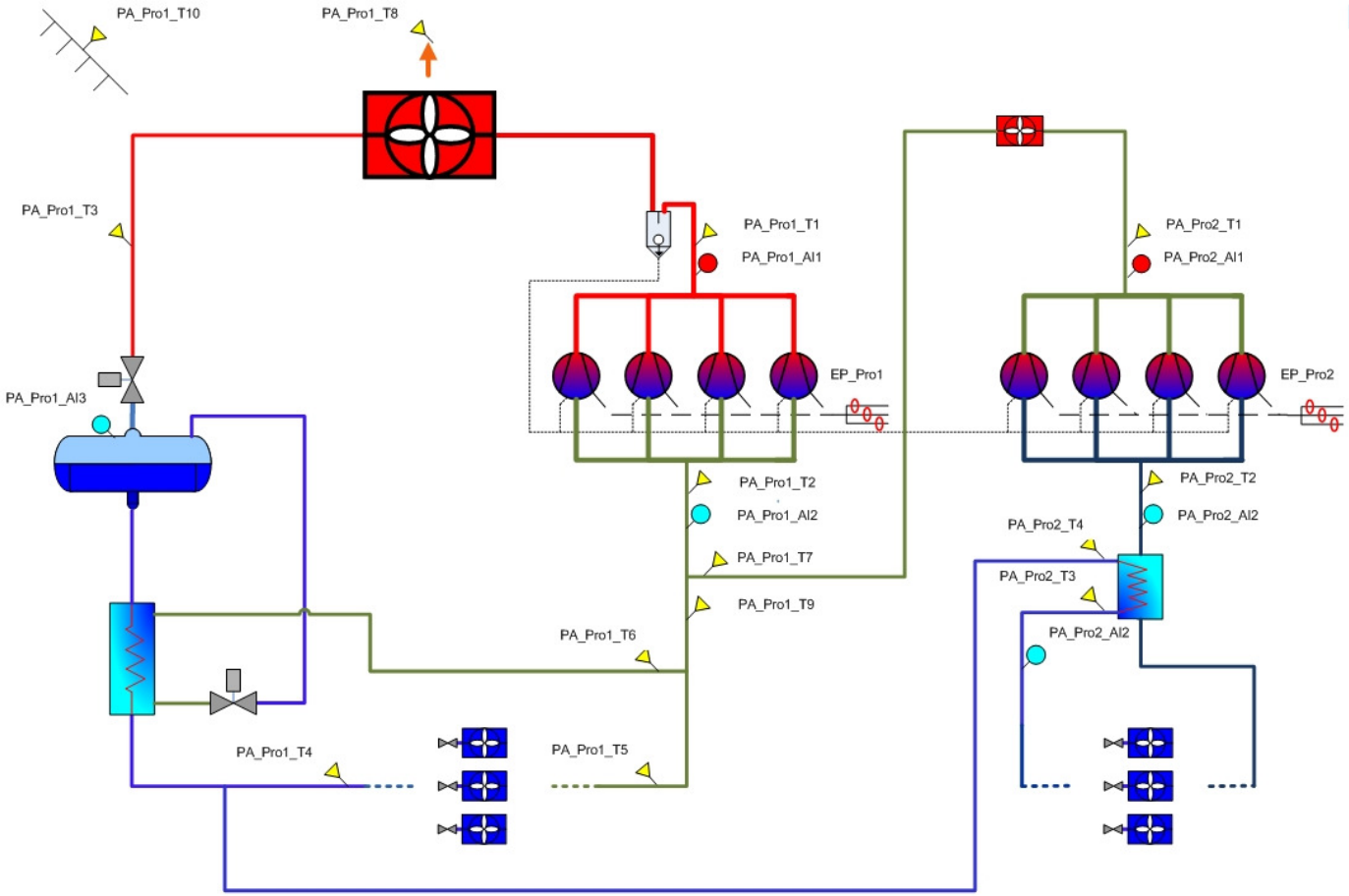
- Measures taken
  - Adjustments on the control system
    - Optimisation of set points (evaporating temp, time constants and hysteresis)
  - Fan control
  - Cleaning of condensers with high temperature differences
  - Adjustments on poorly operating economiser systems
  - Measures taken on 10 compressors (out of 90) with low efficiency to avoid compressor failure and high costs

- **Energy saving between 7-13 % on total bought electricity to the supermarket**
  - Performance improvement > 20-30%

Complete documentation to analyse components



Complex installations requires measurements



AWARDS

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