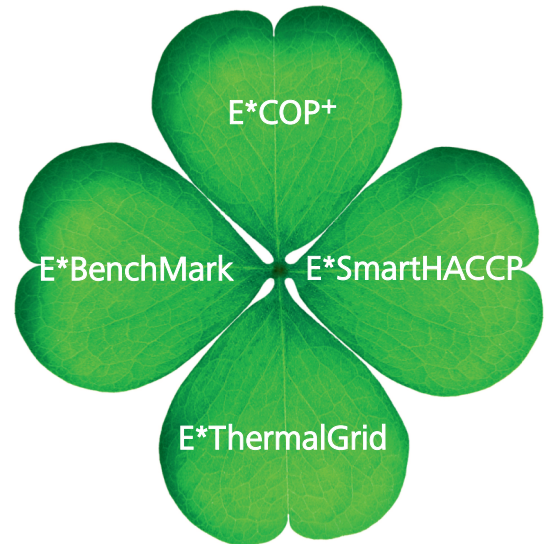


Eckelmann

E*LDS Suite - Energy and Quality Management

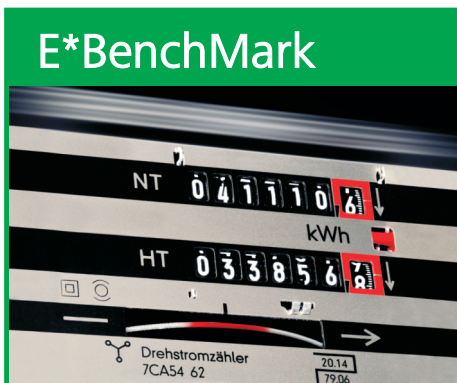
Innovative functions:

- Optimisation of refrigeration systems
- Quality management
- Integration of renewable energies
- Energy management



Knowing what matters

Professionally evaluate energy and operating data and save energy.

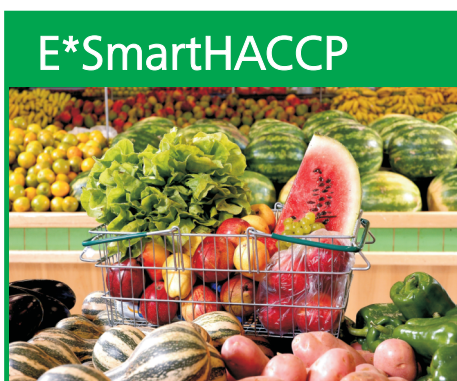


Active energy management: microeconomic evaluation of refrigeration plants and building management systems featuring a number of intuitive analysis tools.

- Automatic benchmarking and ranking
- Standardised comparisons of plants
- Graphical analysis: e.g. Display size, running meter of cold cases
- Evaluation of measures for energy, consumption and temperature data
- Evaluation of measures for enhancing energy efficiency
- Web applications for centralised plant control at multiple locations

Freshness which pays off

Temperature documentation made easy.



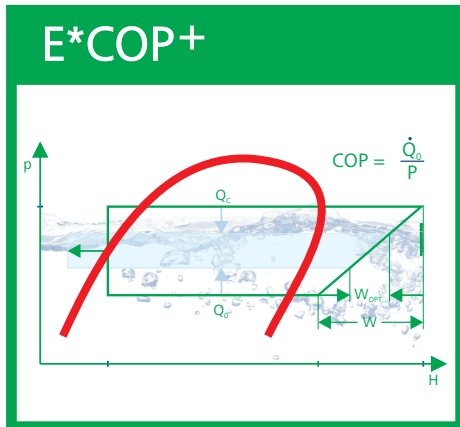
Modern quality management: E*LDS provides proven system tools for temperature documentation in commercial and industrial refrigeration.

- Automatic HACCP documentation
- Reliable temperature measurement with case controllers and/or wireless sensors
- 24-hour temperature lists via PC, web or email
- Relieves staff of routine measurements
- Centralised quality assurance for any number of stores

E*LDS Suite - Energy in a Cycle

Efficiency that pays off

Optimise multicompressor refrigeration systems for excellent performance with lower operating costs.

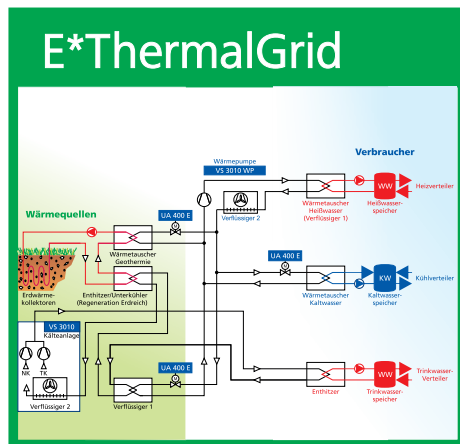


Innovative energy saving functions help enhance the coefficient of performance (COP) of refrigeration systems and heat pumps.

- Flexible and systematic control
- Detection of condenser contamination
- Optimisation of suction pressure
- Autoadaptive controlling
- Continuous control
- Forward-looking control strategies
- COP live monitoring

One installation, one system

Minimal operating costs thanks to building automation that combines heating and cooling.



Integrated building management systems with E*LDS incorporate refrigeration and building control into a comprehensive system.

- Building control across system boundaries
- Combining waste heat recovery, heat pumps and geothermal energy with refrigeration systems
- Tapping synergies
- Comprehensive time and energy management
- Universally applicable for virtually all kinds of systems (lighting, heating, ventilation, sanitary installations, photovoltaics, etc.)
- Central and standardised operation
- Intelligent energy saving functions and comprehensive load management