The new Danfoss system provides decision control and system management in the industry to ensure healthy and sustainable stores around the world.

**HEALTHY STORES**

1. **HEALTHY REPORT**
   - Optimize the process parameters within the store and in all connected units.
   - Make effective use of energy for freezing and cooling.

2. **STORAGE AND DOSSIER MANAGEMENT**
   - Streamline the flow of information between the control system and the store.
   - Ensure that all processes are correctly documented.

3. **WHEN TO MANAGE**
   - Notify the system when the storage conditions change to ensure correct handling.
   - Ensure the system is always up-to-date.

4. **BENCHMARKING**
   - Compare your store to other sites and analyze store health and service against others.

5. **SUSTAINABLE STORES**
   - **COOL THINKING**
     - Creating Healthy and Sustainable Stores
   - **HEALTHY STORES**
     - Set up your system to automatically generate and forward updated HACCP reports.
     - Avoid food loss and secure the right temperature at all times with a professional tool for effective handling and documentation of alarm actions.
   - **SET-POINT MANAGEMENT**
     - Verify that set-points have not been changed across your stores.
     - Tag any that show changes to indicate that action must be taken.
   - **BENCHMARKING**
     - Compare your store or asset to other sites to analyze store health and where to take action.

**SUSTAINABLE STORES**

1. **PO OPTIMISATION**
   - Optimise the suction pressure within the entire refrigeration system. For a typical supermarket the result is an additional 10% savings or 4,000 euros annually.

2. **ADAPTIVE SUPERHEAT**
   - Optimise utilisation of the evaporator with ADAP-KOOL® Adaptive Superheat Control and achieve an additional 5-8% energy savings per year – or the equivalent of 2,400 euros for a typical supermarket.

3. **HEAT RECLAIM**
   - Reclaim wasted heat for hot tap water production and heating without compromising food quality. Tests indicate savings of 14-18,000 euros/year for a medium-size supermarket.

4. **NATURAL REFRIGERANT**
   - Choose Danfoss components that accommodate natural refrigerants to reduce your carbon footprint.

5. **DEMAND RESPONSE**
   - Participate in incentive programmes sponsored by utility companies and significantly cut your energy costs in the process.

Danfoss can accept no responsibility for possible errors in catalogues, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order, provided that such alterations can be made without subsequential changes being necessary in specifications already agreed.

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Danfoss has spent four years and 200,000 manhours bringing together top industry experts in the development of this new system, with the objective of creating healthy and sustainable stores.

We call it “cool thinking.”

• World-class R&D experts on refrigeration control and management, who have created the most sophisticated control algorithms in the industry, protected by Danfoss intellectual property and industry-leading patents.

• Applications experts who possess knowledge on how to efficiently apply refrigeration technology and how to make the system components work best in stores across the globe.

• System experts, including hardware and software engineers, from Danfoss R&D Centers of Excellence in China, India, the U.S., and Europe.

The new system, including the system manager AK-SM 800 series and the enterprise manager AK-EM 800 series, provides the best control and management solution with the following benefits:

• Easy set-up and commissioning

• Remote access to system data

• Improved system performance

For more information, please go to coolthinking.danfoss.com

A Complete Solution
Further enhancing the value of the new Danfoss system are the easy installation, fast and intuitive commissioning and top-notch service and technical support provided by your local sales office. Danfoss is a full-service solution provider you can rely on for service, upgrades and support when you need them.

Best-in class system components create the best system performance in the industry.