

Danish Hospital improves indoor climate and **reduces energy consumption**

The implementation of the advanced EcoStruxure Building Advisor – Asset Health software has empowered one of Denmark's hospitals to gain access to valuable data insights and a comprehensive overview of their building's daily performance.

As a result of utilizing this cutting-edge digital tool, the hospital has been able to significantly improve both their indoor climate and energy consumption leading to fewer sick days and greater resource allocation within the hospital.

Hospitals have a high demand for efficient ventilation and indoor climate regulation, which can result in increased energy consumption. Thus, finding ways to save costs while maintaining a comfortable indoor environment is crucial. Through collaboration with Schneider Electric's service team and installation of the cloud-based software, EcoStruxure Building Advisor – Asset Health, the hospital gains valuable insights and information for ongoing operation and maintenance of their HVAC and BMS installations. This enables the hospital to receive a dedicated action plan with prioritized activities specifically tailored to their 15,000 m² building.

” The solution analyzes and regularly monitors the BMS site, identifying deviations related to maintenance, comfort, and energy. In addition, the hospital staff receives detailed reports on critical errors and recommendations for action, enabling them to react promptly to errors and use their resources efficiently.

Lone Schramm,
Key Account Manager

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Up to 20% energy cost reduction with BA*



29% decrease in unscheduled maintenance*



33% fewer occupant complaints*

*Results vary based on type of building and configuration.

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Data to insights with smart software

Improving maintenance has led to the discovery of an "invisible" deviation that earlier systems failed to detect, potentially saving the hospital around 60,000-65,000 kr. per year. The deviation was caused by a defective recovery and bypass damper that remained fully open for an extended period, causing cold air to enter the building as the heating system tried to compensate for the cold. Even though patients and staff did not notice it, the increased cooling had a negative impact on the hospital's net profit. The operation and services team responsible was impressed that the deviation accounted for both energy waste and discomfort.

In a 12 months period, by utilizing EcoStruxure Building Advisor – Asset Health, the hospital identified cost savings of approximately 211,000 DKK. The software constantly monitors the installation every five minutes, providing the customer with potential errors or improvements that need to be addressed. This allows for quick action to be taken by the hospital, resulting in substantial energy savings.



Benefits with EcoStruxure Building Advisor

Automate and optimize
**troubleshooting
and diagnostics**



Identify potential
**energy
savings**



**Prevent
complaints**
from staff and patients



**24/7
monitoring**
and analysis



Plan and perform
preventive **service
and maintenance**



**Receive
detailed reports**
on critical deviations



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