

UNLOCKING EFFICIENCY WITH DIGITAL MAINTENANCE IN HEALTHCARE



DISCOVER THE FUTURE OF HEALTHCARE MAINTENANCE

In today's healthcare landscape, the need for operational efficiency has never been greater. Costs are rising, and the demand for enhanced performance continues to grow. Embracing digital maintenance can be the game-changer your healthcare facility needs, offering not only improved performance but also operational cost savings.

ALERTON

MAXIMIZING BUILDING DATA FOR BETTER OUTCOMES

The healthcare sector is inundated with vast amounts of building data, thanks to advanced building management systems. Extracting value from this data is crucial for optimal performance in healthcare environments. Preventing system failures and minimizing unscheduled downtime are paramount.

Luckily, modern digital maintenance tools can simplify this process. A cutting-edge data analytics solution continuously monitors asset performance, identifying potential faults before they lead to malfunctions.

BENEFITS OF DIGITIZATION

Traditional maintenance services face challenges in defining, measuring, and comparing outcomes.

Digital maintenance, with its productivity, sustainability, and transformation-focused tools, offers four key benefits:



Proactive fault detection

Real-time analytics and lifecycle management improve performance and energy management.



Real-time building insights

Decision-making becomes dynamic, based on real-time building data, reducing administrative burden.



Energy efficiency

Digital maintenance identifies issues and optimizes efficiency.



Enhanced occupant comfort

Monitoring patient comfort parameters not only improves productivity but also reduces reactive service calls.

A DIGITAL REVOLUTION: BRINGING IT ALL TOGETHER

Designed for site-wide energy management, a BMS enables users to monitor, control and automate building services such as heating, ventilation and air conditioning, supporting higher levels of efficiency and economy.

BENEFITS OF DIGITIZATION

Traditional BMS maintenance services focused on manual, regulated tasks often not adding value or discovering where any problems exist. Digital maintenance, combined with data, can support automated tasks and a proactive approach to problem solving. The four key benefits it offers are:



Controllers

Controllers receive signals from field devices. Based on their settings, controllers can be programmed to prioritize control of plant equipment.



Supervisors

Supervisors are user interfaces that can be used to view or amend system data as well as provide a wide range of energy analysis and maintenance functions.



Networks

Networks allow devices to communicate locally, remotely or across a wide area network (WAN). They can be accessed from a visual dashboard or mobile device to facilitate remote building management.



Field devices

Field devices like sensors can process and transmit critical building data directly to controllers. When you can measure the power demand of each device, you can optimize the entire system.

Our secure cloud-based dashboards offer enhanced control and access for all stakeholders. Our dashboards can monitor energy consumption, occupant comfort, and maintenance issues benchmarked against agreed KPIs, whilst real-time tracking and trend analysis, empowers building managers to create the best possible working environment.

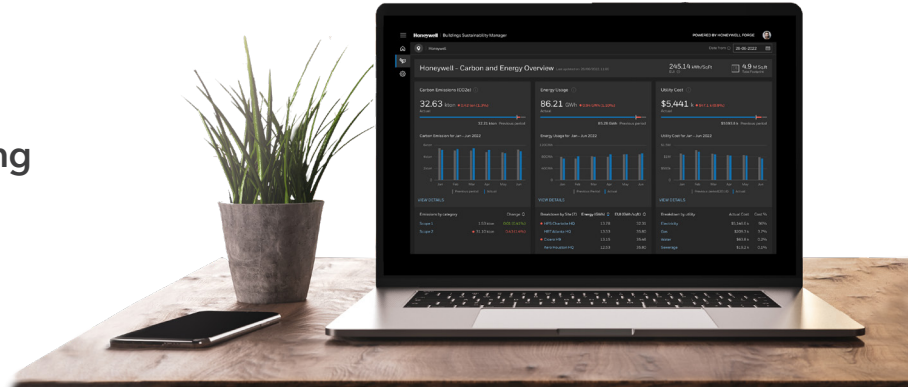
A BMS can also function as an energy monitoring and targeting (M&T) system. Energy M&T is an energy management technique based on the premise that you can't manage what you can't measure.

The goal of M&T is to provide energy managers feedback on operating practices and guidance on expected energy use in a certain period. This involves analyzing field data and results from energy management projects to identify excess energy use, and taking appropriate actions to improve performance.



SET THE BMS FOR MAX EFFECTIVENESS

Employing a BMS in your healthcare environment could effectively keep you informed and in control of building services. Moreover, you can set the BMS to alleviate areas of concern based on your priorities, including:



Maintaining indoor air quality, temperatures, humidity and lighting levels in high dependency and critical areas



Monitoring, logging and reporting data about environmental conditions



Tracking and adjusting hot and cold water services to help reduce the risk of Legionella bacteria



Complying with environmental, social and governance standards, building regulations and legislation



Digitizing building services and maintenance regimes through remote connectivity



Making virtual data to assess energy consumption trends, specific areas of energy waste and inadequate space utilization

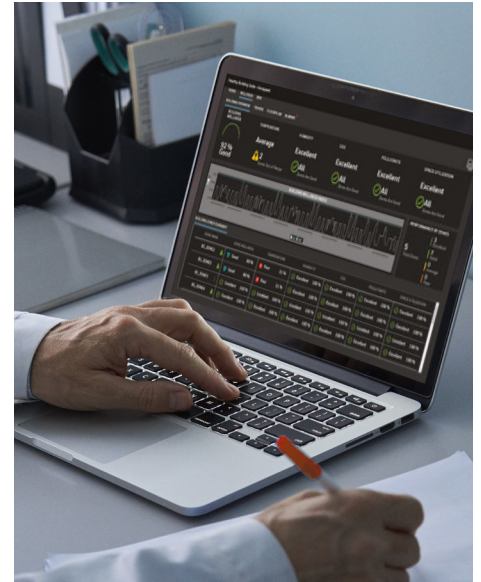


A SUSTAINABLE FOCUS

In today's world, managing your energy and carbon goals is critical. Digital maintenance distinguishes high-impact areas on energy consumption, aligning with service cases affecting energy performance.

Carbon and Energy Manager is a versatile software platform designed to collate and present information in a range of visualization and reporting formats. It can process data from energy and utility meters, sensors and field devices, comparing actual energy use to expected energy use. When the difference is too great, the BMS generates instant and automatic alerts to notify users.

Elevate efficiency in healthcare maintenance with Alerton.



ALERTON

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Smarter Buildings Start Here