

# Beyond the basics: How AI innovations are reshaping facility management

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In the same way CAD drawing revolutionized space planning and floorplan design that was previously done by pencil and paper, artificial intelligence (AI) is driving a seismic shift in building management. From predictive maintenance to energy optimization, AI is reshaping how facility managers make spaces smarter, safer and more efficient than ever before. See what's possible today and go even deeper with our free ebook: "[Facility management in the age of AI.](#)" It's packed with checklists, frameworks and a Smart Building Readiness Scorecard.

## Why AI matters in facility management

The integration of AI-driven solutions is no longer a futuristic concept – it's happening now.

In a survey of 760 business leaders, 65% said they use AI to improve the operation, utilization and maintenance of their workplaces. From energy optimization to predictive maintenance to enhancing security, organizations are finding new uses for AI's infinite capabilities in nearly every area of operations.

Perhaps the most transformative benefit of AI is that it enables facility managers to move from reactive to proactive operations. Facility management software powered by AI can analyze vast amounts of facility management data, identify patterns and recommend actionable improvements. For example, smart sensors paired with AI can detect HVAC inefficiencies and trigger an automated service ticket. This minimizes downtime, extends the lifespan of assets, reduces operational costs and makes building systems more reliable.

## Key benefits of AI in facilities management

1. **Predictive maintenance:** AI algorithms monitor equipment health and predict failures, reducing costly emergency repairs and extending equipment lifecycles.
2. **Energy efficiency:** AI-driven building management systems optimize energy usage, leading to significant cost savings and sustainability gains.
3. **Workplace automation:** Routine tasks like scheduling, cleaning and security can be automated. This can help staff focus on higher-value work.
4. **Data-driven decisions:** Facility management data is transformed into actionable insights so that managers can make informed choices.

## Future-proofing operations with unlimited scenario planning

AI can analyze data from an infinite number of connected functions, which opens a door to insights beyond human capability. Facility managers can leverage these vast data sets to visualize endless scenarios and configurations for space planning and more effective operational strategies. For instance, AI can predict peak usage times, factor in weather data and adjust HVAC systems to ensure optimal comfort while minimizing energy consumption and carbon emissions. By creating a cohesive, AI-driven building technology ecosystem, facility professionals can improve operational efficiency and support sustainability goals.

## Real-world impact: how a pharmaceutical leader transformed its headquarters with AI

A [multinational pharmaceutical brand](#) sought to improve occupant comfort, employee productivity, space use and carbon management at its global headquarters. The HQ required a scalable, smart infrastructure as part of plans to reach net zero before 2040. The facilities team implemented a Metasys Building Automation System integrated with OpenBlue Net Zero Plus, OpenBlue Equipment Performance and OpenBlue Insights. These technologies streamlined control across HVAC, lighting and energy systems by using dashboards to interpret and act on the building's data.

The new BAS identified opportunities to optimize energy use and reduce potential emissions equal to removing more than 20 cars from the road per year. These changes are projected to save the company over \$100,000 annually.

## Download the ebook for even more insights and actionable tips

AI is changing how facilities are designed, operated and optimized. The "Facility management in the age of AI" ebook gives you practical guidance to turn that potential into measurable impact. Inside, you'll find:

- The latest trends in AI-enabled facility management software
- How to turn facility data into a strategic advantage
- Practical steps for implementing AI solutions in your organization
- A "Smart Building Readiness Scorecard" to assess gaps and prioritize next steps

Get the full guide in "Facility Management in the Age of AI"

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