



Revolutionising Building Performance

Closing the analytics loop for sustainable, high-performance buildings. We make smart asset management seamless and impactful.

Smart Efficiency Unlocked

Intelligent Maintenance is a game-changing solution featuring a closed-loop learning system that ensures an economical, effective, and transparent maintenance program.

Developed by Optimum Air, Intelligent Maintenance features the world's first Machine-to-Man-to-Machine (m2M2m) learning process, entirely automated for unparalleled efficiency.

IM is a complete maintenance strategy that leverages an integrated workflow system. This system merges the capabilities of our always-on virtual technicians, who perform intelligent tasks around the clock, with the dynamic maintenance plans of our physical technicians. These plans are specifically tailored to meet the evolving needs of buildings, ensuring that technicians are precisely where they need to be, equipped with the correct information to enhance outcomes for building owners and operators.



Intelligent Maintenance for Sustainable Buildings

Intelligent Maintenance is not just about maintaining systems; it's about cost-effectively elevating building performance. Typically, there's a positive correlation between maintenance quality and cost. However, IM disrupts this norm by decoupling maintenance quality from costs, offering immediate savings and enhancing performance, reliability, thermal comfort, and environmental impact.

Cost-Effective Solution

IM enhances maintenance quality while concurrently reducing costs, without any compromise.

IM offers both an ongoing cost-effective approach and immediate, upfront savings for building owners and operators from the outset.

Dynamic Tasking

IM's dynamic tasking framework ensures complete coverage without overlaps or gaps, guiding our virtual technician's to concentrate on continuous maintenance workflows. This focus allows them to report on the most critical findings, enabling our personnel to address the most impactful opportunities for performance improvement.

In today's world, the quest for sustainability and efficiency drives us towards solutions that not only promise but deliver on the dual objectives of saving energy and saving money.

Intelligent Maintenance stands at this crossroad, offering a revolutionary path forward for building maintenance that balances economic and environmental goals.

Key Benefits

Intelligent Maintenance is more than a maintenance solution; it's a strategic partner in building operational excellence. It speaks directly to the heart of what facility managers and building owners prioritise: reducing operating expenditure across HVAC, BMS, and utilities, while simultaneously elevating occupant satisfaction and building performance scores, such as NABERSNZ.



Early Intervention

Early detection and intervention minimise refrigerant loss and other inefficiencies.



Increased Occupant Satisfaction:

A comfortable environment is key to occupant happiness. IM ensures buildings operate seamlessly, creating an ideal environment for everyone.



Enhanced Building Performance:

With IM, buildings can achieve higher performance scores, reflecting a commitment to sustainability and efficiency.



Elevated Maintenance Efficacy:

The unique machine-to-man-to-machine closed-loop learning system of IM increases the efficacy of maintenance activities, ensuring that every action taken is informed and impactful.



Strategic User Interface

A comprehensive UI displays total energy, carbon, and cost avoidance, aligning with environmental objectives.



Key Features

Intelligent Maintenance's features are designed to address specific aspects of building maintenance and performance. From advanced diagnostics to seamless system integration, Intelligent Maintenance offers a comprehensive suite of tools to elevate the functionality of a building's system.



Root Cause Analysis:

Quickly identify underlying issues in HVAC systems, ensuring precise and efficient resolutions.



Integrated Workflow Solution:

Streamlines the maintenance process from diagnosis to intervention, enhancing productivity and service quality.



BMS and IDL Agnostic:

Flexible compatibility with various Building Management Systems and Independent Data Layers, ensuring seamless integration.



Machine Learning Capabilities:

By leveraging the world's first Machine-to-Man-to-Machine (m2M2m) algorithms and the expertise of our technicians as SMEs, Intelligent Maintenance enhances efficiency and predictive accuracy through continuous learning from site-specific data and technician-machine collaboration.



Data Visualisation via UI:

An intuitive UI for streamlined data visualization showcases key insights on building performance, energy savings, and carbon reduction in a single, user-friendly platform to aid informed decision-making.



Built on Proven Experience: The Intelligent Maintenance Edge

Intelligent Maintenance redefines the landscape of building maintenance through its entirely automated, integrated end-to-end system. By eliminating gaps and overlaps, we've streamlined the division between digital and physical tasks, ensuring that HVAC and BMS technicians deliver unmatched service quality. This automation and integration is not just an investment in a maintenance system but in a future where building operations are seamless, efficient, and sustainable.



Collaborative Expertise

A culmination of Optimum Air's expertise, co-created with over 120 staff across various geographies and functions.



Efficient Workflow

Automated workflow management eliminates low-value tasks, focusing on high-impact customer interactions.



Data-Driven Culture

Promotes a data-driven culture, integrating analytics with maintenance for impactful results.



Holistic Solution

Unique, holistic, and turnkey solution, ensuring comprehensive maintenance without overlaps or gaps.



Intelligent Prioritisation

Machine learning algorithms prioritise tasks and incorporate feedback loops for continuous improvement.

Intelligent Maintenance is a culmination of optimum Air's extensive experience and innovation in building asset maintenance. Designed and developed with input from a diverse team of professionals, IM is not just a product but a result of optimum Air's commitment to excellence and customer satisfaction.