

OpenBlue Enterprise Manager

Balance Infection Risk, Sustainability and Comfort with OpenBlue

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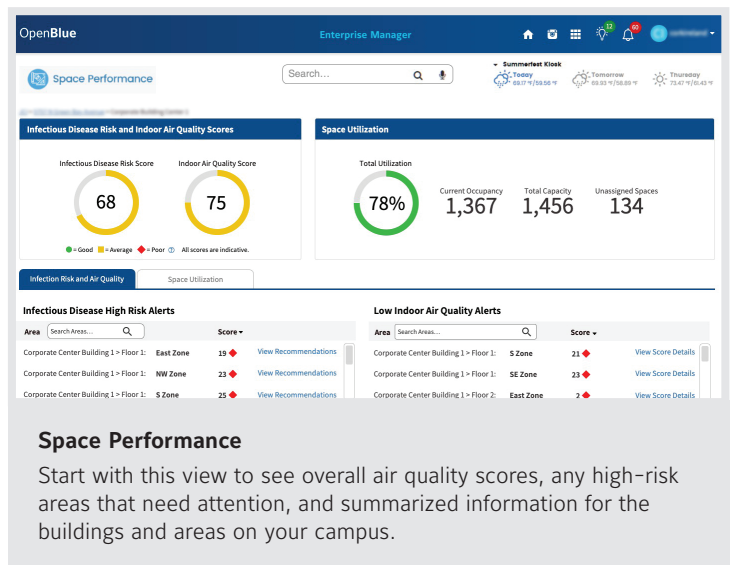
Building owners looking for an edge in retaining tenants or their own staff need to juggle three factors – infection risk, occupant comfort and sustainability. This daily challenge involves making trade-offs with competing goals and changing business needs.

Most digital AI solutions solve for one goal at a time. Now Johnson Controls is changing the smart building landscape with Performance Advisor from OpenBlue Enterprise Manager, advancing sustainability, comfort and wellness with one solution.

Performance Advisor acts as a recommendations engine, continuously scanning facility operations to uncover opportunities to save energy, improve indoor air quality (IAQ), and maintain occupant comfort. The system draws on site-specific and external data as well as proprietary algorithms to simultaneously project the impact of operations decisions on all three areas. Your facilities team can then decide which actions to take—or let Performance Advisor make the decisions automatically.

Clear actions, clear implications

Performance Advisor is designed for a fantastic user experience, starting with an easy-to-read dashboard highlighting the current state of your indoor environment as well as any alerts. The dashboard shows suggested actions for a zone or the entire building, with precise metrics clarifying how each action is projected to affect specific goals. You can execute actions through the cloud interface with just a push of a button.

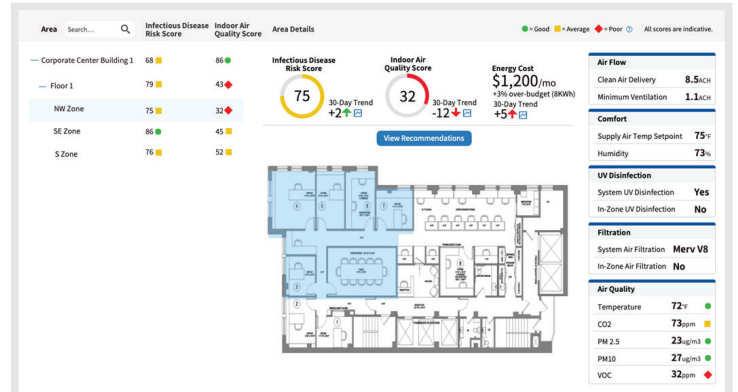


For example, consider the setpoints for an air handling unit (AHU). Performance Advisor connects performance data for that AHU as well as building data, weather forecasts and utility rates to a virtual buildout of the space. It then rapidly simulates and analyzes the effects of varied AHU supply temperatures, economizer threshold temperatures and outside airflows. The dashboard ultimately shows three options for these setpoints, depending on what you want to prioritize: optimize infectious disease risk; optimize energy efficiency; or balance the two.

Measurable value

Performance Advisor delivers measurable value and empowers you to achieve the outcomes that matter most.*

- **Create healthy, comfortable spaces while balancing energy spend with IAQ:** Optimize space use up to 10%, reduce hot/cold calls up to 80%, and reduce infection risk up to 60%.
- **Optimize operations to gain a competitive advantage:** Cut maintenance spend up to 20%. Improve tenant retention while commanding up to a 5% premium on leasing rates.
- **Maximize productivity:** Boost technician productivity up to 40%, and potentially decrease staffing levels—for example, requiring just one operator for a half-million square feet instead of three.
- **Achieve sustainability/ESG goals and enhance tenant appeal:** Reduce energy spend up to 30%, and shrink your carbon footprint.



Space Performance – Floor Detail View

Just click on building summary information to get specific data for any area of a building.

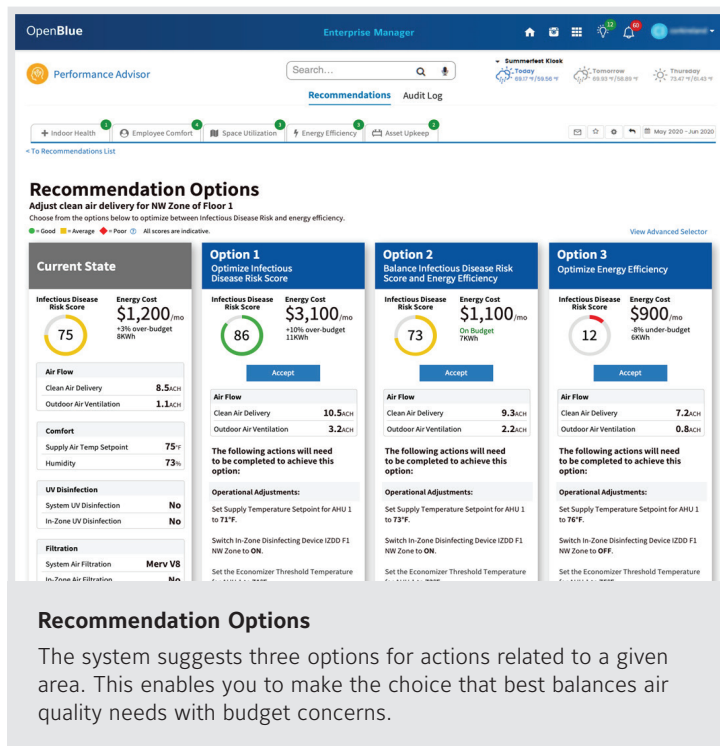
Easy implementation and rapid ROI

You can layer Performance Advisor onto any building automation system, from Johnson Controls or other providers. Use as is out of the box to complement your BAS. For added functionality, combine with OpenBlue Enterprise Manager Asset Manager to proactively manage all your HVAC assets. The AI analytics can also be fine-tuned based on your floor space requirements and typical occupancy. Our experts work with you to determine how to structure your data and ensure seamless communication.

Pricing is based on the value created. Your investment in Performance Advisor is likely to pay for itself in six to eight months.*

Solve for multiple goals at once

Managing indoor air quality/infection risk, sustainability/ESG, and comfort doesn't have to be a one-by-one, this-or-that decision. Performance Advisor makes it easy to make informed facility operations choices—balancing all three goals at once to help you succeed today and tomorrow.



To learn more about OpenBlue Enterprise Manager, visit www.johnsoncontrols.com/openblue/openblue-enterprise-manager.

*Disclaimer: The projected reductions, optimizations and improvements herein are based on consistent application of recommendations to a non-optimized baseline. Results will vary depending on a number of factors including but not limited to baseline space and building automation system utilization and optimization, current ventilation and filtration systems, occupancy, and geographical location and weather. Savings, optimizations and improvements are not a guarantee.

