



## Lighting

Rather than relying on motion sensors and timers to control when lighting goes on and off in various parts of the building, Al lighting systems can analyze data – such as light coming from external windows, room occupancy, and the type of activity being performed – from a variety of sensors and adjust the brightness and colour temperature of the lighting. Not only can the lighting system respond to these changes in real time, it can also respond to more nebulous voice commands, like an employee asking for lighting adjustments that will reduce the glare on their computer screen.

## **Predictive maintenance**

There's nothing worse than an unexpected equipment breakdown in a busy building. Whether it's an elevator in need of replacement or a water leak, the cost of an emergency repair isn't just financial it's your tenants' trust and your building's energy efficiency. Al-powered software can use machine learning to combine historical data with current equipment functionality to effectively predict what's about to break down and flag it for preventative maintenance or even perform that maintenance on its own.

## Tenant/building manager interaction

Five years ago, chatbots were incredibly limited in their ability to interact with users, but generative AI has changed all of that. If the AI-powered chatbot has access to all leasing data, building energy consumption and HVAC information, a tenant could in theory ask it a question about a clause in their lease and receive an answer in seconds, rather than the possible hours it could take a building manager. They could also file a maintenance request and be able to track updates live instead of having to call the building manager to follow up.

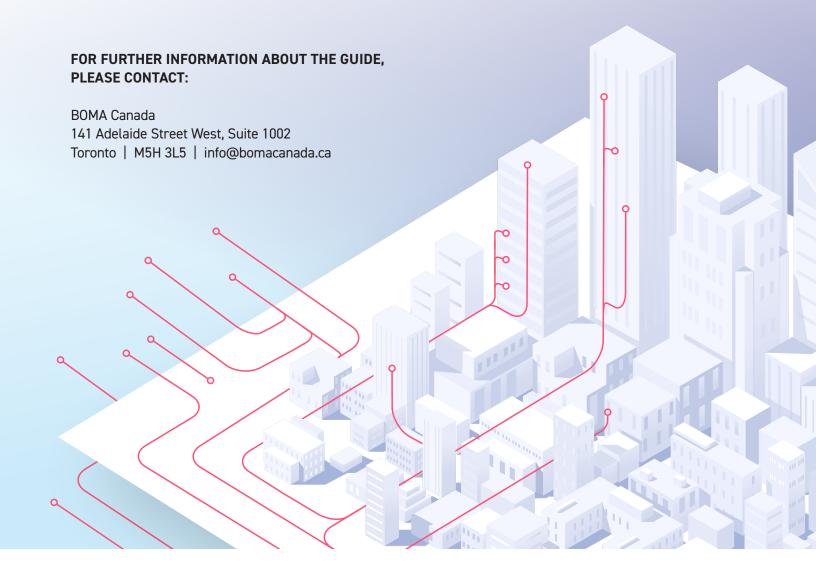


role of AI is in extracting data and giving it back to the owners of that data as a tool."

## Lease management

Lease documentation involves an overwhelming amount of data, and many building owners and managers still manage it all using paper copies and filing cabinets. Al-powered lease abstraction can scan and digitize hundreds of pages of documentation (typed or handwritten) in seconds, categorizing data to make it accessible, as well as spotting errors and inconsistencies. In this scenario, both the speed and accuracy of AI can result in massive savings.

As technology advances, so do the security threats, and for some organizations, a simple passcode, fob or key card isn't enough anymore. For these companies, Al-powered biometric security, which uses facial recognition, voice recognition or a combination of these and other authentication methods to verify someone's identity, may be the answer – either at the building entrance or the office door. The difference between this level of security and the facial recognition that's on your phone? An ever-evolving database of facial characteristics, expressions and other elements that AI algorithms learn from to improve matching capabilities that take daily and longer-term changes into account.



This Guide is Sponsored by:

































Ce rapport est disponible en français.

BOMA Canada bomacanada.ca