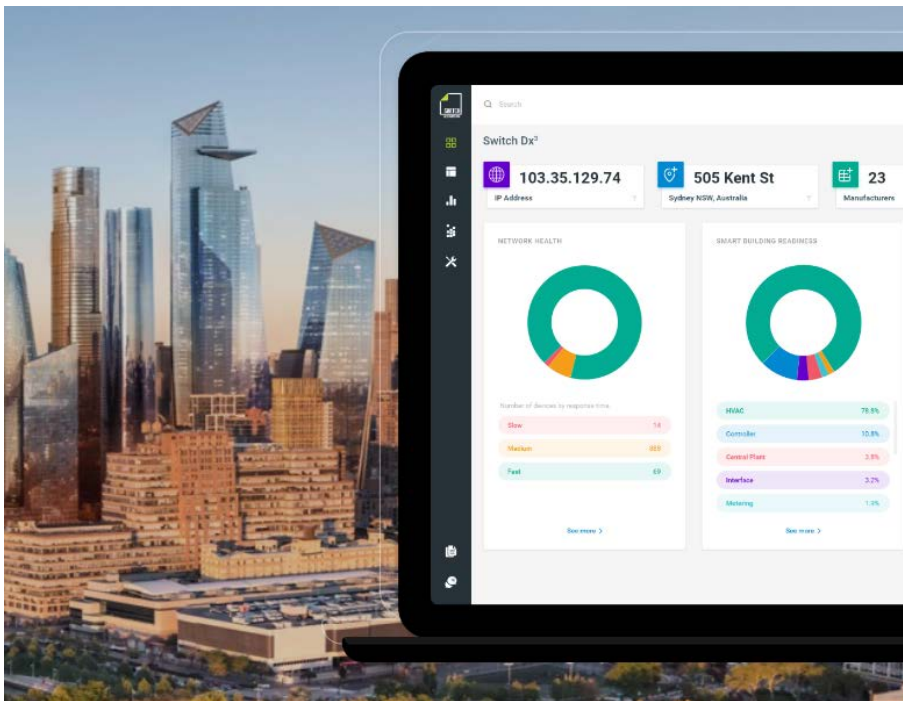




# Switch Dx<sup>3</sup> combines with Microsoft Azure to provide key capabilities as part of Oxford's Smart Building strategy

Oxford Properties Group is the owner, developer, and manager of some of the world's top real estate assets. Oxford's portfolio encompasses 100 million square feet of office, retail, industrial, hotel, and multifamily residential space across four continents. Oxford uses the Switch Automation Platform to help enhance its existing building

operations by connecting to systems and data to provide real-time visibility into building performance and implement data-driven optimization strategies. Oxford deployed Switch Dx<sup>3</sup> across 17 buildings connected to the Switch Platform to gain a continuous audit of the devices and systems connected to its building networks.



OXFORD

## At a glance:

**Customer:** Oxford Properties

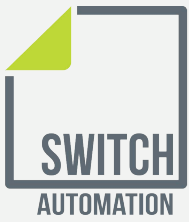
**Website:** <https://www.oxfordproperties.com>

**Customer size:** 2,000-plus employees

**Headquarters:** Toronto, Ontario, Canada

**Industry:** Real estate

**Products and services:** Microsoft Azure



# Switch Automation, Oxford Properties, and Microsoft Azure

## Customer challenges

Having a large and diverse portfolio and working with a range of systems and vendors, each with its own set of processes, means that it can be difficult for large property managers to consistently record and catalog every device connected to their buildings.

Oxford Properties wanted visibility of every system and device connected to its networks across its office and retail sites in Canada. Oxford is leading the way in Canada with its robust digital facilities management plans, and it understands that having each building fully connected is the first, crucial step in that journey.

## Partner solution

In addition to using Switch's building analytics, Oxford Properties deployed Switch Dx<sup>3</sup> to scan building systems, sensors, and devices to continuously assess connectivity, controls network integrity, and readiness for real-time data collection and performance optimization.

Switch Dx<sup>3</sup> provides an immediate digital audit of connected building systems and devices via the Switch Dx<sup>3</sup> Dashboard, which displays connected devices and data points on the building controls network, MAC addresses, firmware versions, device models, and manufacturers. It also highlights potential vulnerabilities. Switch IoT appliances are securely hosted on Azure.

## Customer benefits

Switch Dx<sup>3</sup> continuously scans Oxford Properties controls networks, detailing the connectivity of thousands of devices per site. With precise insight into each of these devices' firmware versions, Oxford Properties ensures that every unit is online and functioning properly. Network health readings identify underperforming control networks, so Oxford Properties can monitor and optimize connectivity and response times. By identifying open and vulnerable internet ports across each site, Oxford Properties can swiftly secure them, significantly reducing the risks of network interference or security breaches. The Switch Dx<sup>3</sup> Dashboard also displays overall digital readiness across each sites' various systems, providing a foundation for digital portfolio management.



**Thousands of devices continuously scanned and detailed** per site, with all firmware and firmware versions audited.



**Every site building management system (BMS) network response tested**, and network health recorded.




**Every site internet port scanned**, with every open and vulnerable port identified.

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