

MEDICAL MANUFACTURER

Office Lighting

Simple Bluetooth® Controls



Simplicity in the Office

The wireless lighting controls of the offices of a major medical manufacturer lost a fight with their building's Wi-Fi. The solution was to pull out the old system and replace it with Avi-on Bluetooth® Lighting Controls.

Now the office lighting control system simply works.

The old lighting controls were based on the ZigBee specification. When the building increased the density of Wi-Fi users and end points in the building, The lighting controls experienced interference with in building Wi-Fi, resulting in the lighting system failing to operate reliably. Avi-on replaced the controls on 450 fixtures, interfacing with the existing fixture drivers, as well as replacing the wall switches. Avi-on's Bluetooth with Mesh network experienced no interference issues with Wi-Fi radios in the area.

The retrofit installation consisted of an update to the lighting controls on two building levels covering office space, including open cubicle areas and individual offices, and a research and development area. Avi-on used its 0-10V fixture adapters to connect directly to the existing 0-10V dim-to-off drivers and small 12VDC power supplies. Besides replacing the controls and wall switches, no other networking infrastructure was required.

Easy to Install in Existing Fixtures

No central hub or gateway was required for the Avi-on system, and the Avi-on App on a mobile app can control the entire system. In addition to updating the manual controls, the site opted to apply scheduling to the office and R&D areas to have the lights on during regular business hours. Avi-on schedules reside in the Fixture Adapters directly.

Easy to Install, Easy to Use, Easy to Change

Avi-on Simple Bluetooth® Controls are integrated into dozens of commercially available lighting fixtures, wall controls and sensors from over a dozen industry- leading companies serving commercial, industrial, residential and outdoor lighting markets. The Avi-on Lighting Controls ecosystem continues to grow, with new Powered by Avi-on™ products and partners employing Simple Bluetooth Controls nearly every day.

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