

# 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. Expansion to cover the rest of the building campus (over 1 Million Square Feet) is now underway.

#### 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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