**ENERGY MANAGEMENT**

**Problem**

* Department of Energy reports that lighting and HVAC represent 40% of the average commercial building’s electric bill.

**Current Situation**

* Operations managers know that advanced technologies to reduce lighting and HVAC usage are the easiest, most profitable investment for energy-saving building systems, however existing lighting controls technology is limited, and leads to a high number of false-offs. To compensate, these existing systems leave lights on for an average of 30 minutes after vacancy is detected.

**Intelligent Solution**

* OV-enabled sensors reduce the extra power time to virtually zero by intelligently determining the occupancy of each space at all times. In addition, most buildings are heated, cooled and supplied with fresh air independent of actual occupancy. Implementing intelligent automation to help manage heating and cooling systems will result in significant energy savings.