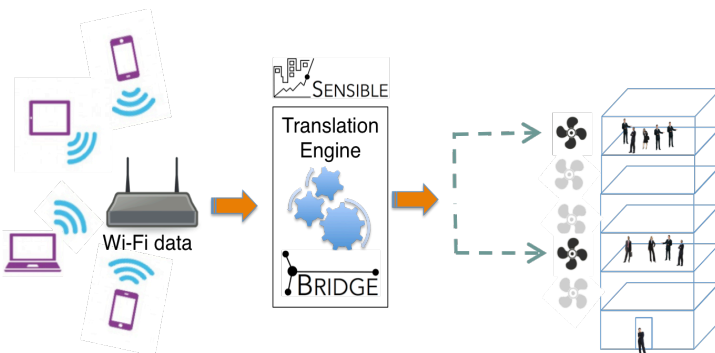


Overview

Sensible has developed an accurate and low-cost solution for creating real-time occupancy data points. Our solution, called Bridge, uses existing Wi-Fi activity data to enable occupant-demand control of building heating, ventilation and air conditioning (HVAC) systems, without the need to install new equipment such as motion detectors, video cameras, or physical sensors.

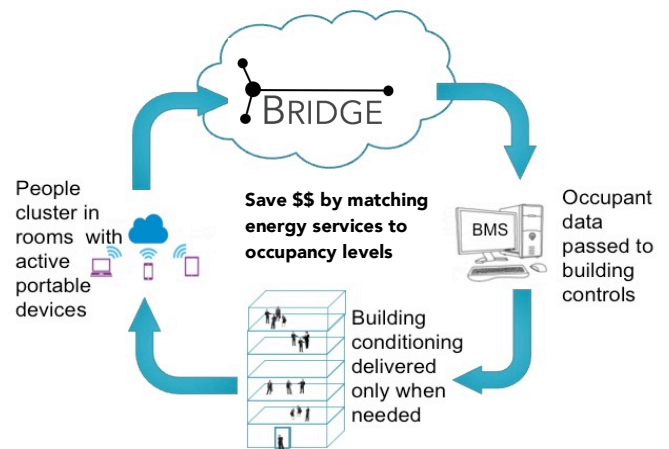
How It Works

The Bridge uses existing Wi-Fi connectivity data, already generated by building occupants carrying mobile devices, to optimize on-demand ventilation and heating/cooling. The technology is a middleware server, installed on a VM within local firewalls. The middleware conducts all data translation services and communicates occupancy data directly to a building automation system via a BACnet Gateway. On the Bridge, you can define your occupant count zones to match your HVAC service zones. Response times are faster than CO₂ sensing and reliable in densely occupied areas.



Benefits

- Fast ROI - Average payback 2-4 years
- Easy install - No new sensors or equipment
- Accurate - For busy zones, >90% accuracy
- Low maintenance - Uses existing Wi-Fi infrastructure, no sensor maintenance
- Data logging - Trending for space utilization
- Integration - Works with existing building automation system
- Privacy ensured - no private data is tracked, Bridge simply counts mobile devices
- Improved indoor air quality



Fast ROI

An average multipurpose facility of greater than 20,000sq.ft with varied occupancy will have a return on investment of 2-4 years. Our technology provides 4-10% proven savings whether it's a small-scale pilot or full-scale deployment.

Additional benefits for operators are a reduction in hours for manual scheduling of HVAC operation and reduced comfort related trouble calls.

Further Information

Sensible's Bridge was pioneered at the University of British Columbia. Case studies, energy saving data, software demonstration available on request.

Collaborations:

