059

DECEMBER 2025

OCCUPANCY COUNTING: OCCUSPACE EVALUATION

OPPORTUNITY

What are the opportunities for occupancy sensing?

ACCURATE OCCUPANCY DATA CAN:

- Guide decisions on consolidation, downsizing and reinvestment.
- Demonstrate compliance with statuatory requirements.
- Provide real-time feedback on traffic and room availability.
- Integrate with buildings systems to optimize operations.

TECHNOLOGY

How does Occuspace work?

ML ANALYZES WIFI AND BLUETOOTH DEVICES FOR OCCUPANCY ESTIMATE

- Plugs into standard outlets
- Minimal cybersecurity requirements
- No PII collected
- Data can be exported to other platforms



TESTING

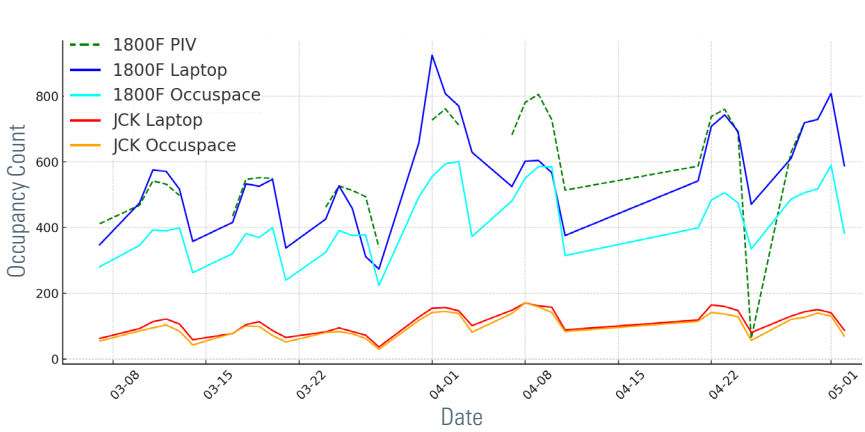
Where did testing occur?

GSA piloted Occuspace occupancy sensors at two sites: the John C. Kluczynski (JCK) Federal Building in Chicago and GSA headquarters at 1800F in Washington, DC. Sensors arrived pre-programmed.

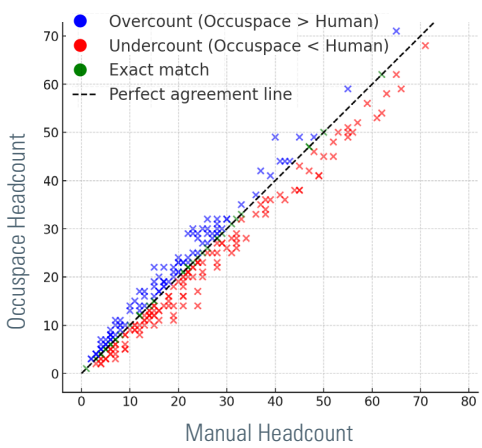
At JCK, one person installed the sensors in 2–3 hours. At 1800F, installation across multiple zones took two people 6–8 hours. Both sites required additional time for manual headcounts and calibration.

Occuspace Aligned with Manual Counts, Laptops, and PIV

Occuspace Compared to Laptops and PIV Cards



Occuspace Compared to Manual Counts*



* 1800F calibration periods:
February 27–March 3; April 23; May 7

JCK calibration periods:
February 24–25; March 5; April 16–18

DEPLOYMENT

What are the recommendations for Occuspace, vs. laptop tracing and PIV cards?

OCCUSPACE PROVIDES GROUND TRUTH FOR REAL-TIME UTILIZATION

UTILIZATION RATES

- Laptops, PIV, and Occuspace can all be used.
- PIV may inflate occupancy when it only reflects entry. (Site dependent)
- Laptops tend to overstate headcount vs. actual presence.

REAL-TIME SPACE METRICS

- Occuspace (and other sensors) provides real-time, zone-level data.
- Laptops/PIV work best for supplementary context or historical reporting.

BAS INTEGRATION

- Occuspace (and other sensors) is the most effective source, delivering the zone-level data needed for demand-driven HVAC and lighting control.