

# How to measure Workplace Occupancy

# In today's session we'll

- **Explore** the different types of workplace occupancy sensors
- **Help you understand** what occupancy sensors is right for your organisation
- **Cover the type** of metrics you should be monitoring
- **Highlight the key takeaways**
- **Q&As**



**Yodit Stanton**

Founder & CEO

# Data is integral to workplace strategies

Cost efficiencies

Manage the delicate balance of 'just right' utilisation

Accuracy

Use historical patterns to forecast future growth

Objective view

Allow for easier conversations with department heads and HR



# Desk and Phone Booth sensors

Motion and heat triggers

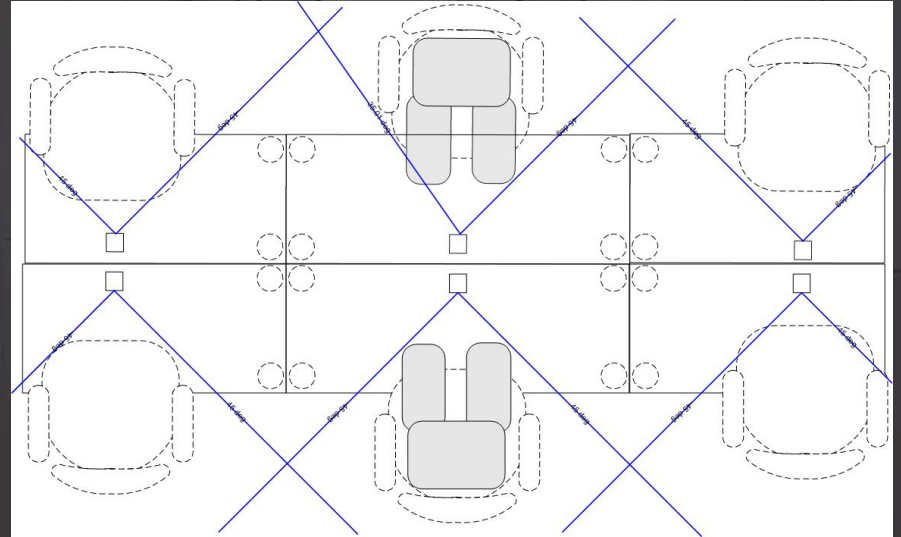
No personal or health information of captured

Accuracy - presence 10mins

Real time

Placement

Battery operated



# Why?

Use data to understand what is optimal

Space capacity planning

Increase person to desk ratio

Adopting activity based working

Shift conversations from *'How many desks do you need'* to *'how can you use your space more productively'*

## Metrics



# Meeting room presence

Monitors occupancy

Motion and heat triggers

Anonymised

Covers a wide field of focus

Better accuracy

Real time



# Why?

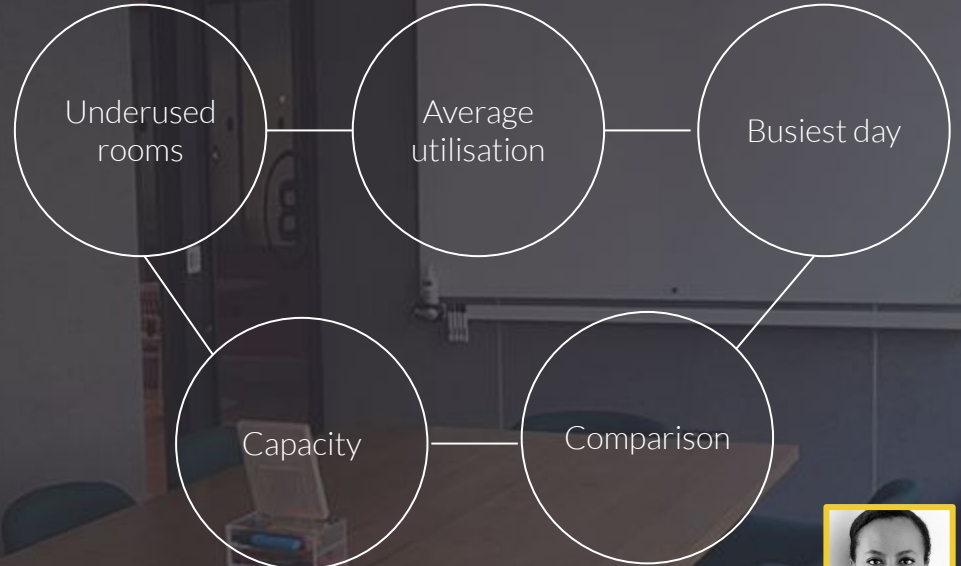
Compare utilisation rates of similar room size

Right size meeting rooms

Find root cause of complaints of not enough rooms

Understand what style rooms are most popular

## Metrics




# Metrics

## Meeting rooms by capacity

📅 08/04/2019-08/05/2019, M-F, 9am-6pm ▾

### Avg meeting utilisation by capacity

^ capacity	◇ All rooms occupied per day	◇ Avg time occupied per day	◇ Underused spaces	◇ Total spaces
max11	4h 12m	4h 12m -1.0% 	0	1
max12	5h 48m	6h 48m +25.0% 	0	2
max16	0h 0m	0h 0m +0.0%	1	1
max6	0h 0m	4h 18m +2.0% 	1	6
max8	3h 0m	3h 0m -5.0% 	0	1

Compare utilisation for each capacity



# Meeting room counting sensors

Object recognition

Counts people going in  
one direction e.g. in or out

Measures field of focus and  
covers a wide area

No personal or health  
information of captured

Mains powered



# Why?

Larger meeting rooms 5+ capacity

Monitor presence and number of people occupying them

Inform re-design projects

Create right size meeting rooms

Booked rooms vs no shows

## Metrics

Capacity vs occupants

Underused rooms

Busiest day

Average utilisation

Comparison



# Metrics

## Underused rooms

● **16** / 41 total rooms

Used < than 20% (approx. 2hrs/day)

## Avg time occupied per day

**3h 35m**

Work hours: 09:00 - 18:00

## Busiest day

**4h 19m** / Tue, 30 Apr 19

Day with highest occupancy of rooms

Avg number of people in **max8** **groundfloor**  
**meetingroom2**

**62%** Avg utilisation    **3** Avg occupants    **9** Peak occupants



# Footfall sensors

Object recognition

Counts people going in different directions

Occupancy of open areas

Field of focus and covers a wide area

No personal or health information of captured

Mains powered



# Why?

Measure the usage of open areas

Understand the footfall in an area vs actual occupancy

Adopting activity based working

Enough space in neighbourhood

Monitor paths and hangouts

## Metrics



# Key takeaways

## Unique Challenges = Unique Solutions

- There is no 'one size fits all' deployment

## Flexible Solutions

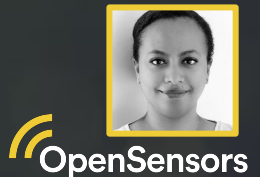
- Data from sensors provides insight into various cases

## Hardware Follows Need

- Knowing your goals & metrics comes first and is vital to success

## No 'Quick Fix'

- Even the best solutions take time to build meaningful data



# Join the **conversation**

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