


Leveraging data to aid office reopening

Guidance to adapt the workplace during
COVID19



In today's session we'll cover

- Overview of what data you can leverage to manage offices reopening
- What actions you can take from the data
- Use cases what data is gathered through sensors
- Answer questions during and at the end

Your feedback for future webinar content



Yodit Stanton

CEO & Founder OpenSensors

Footfall data

Footfall overview

📅 04/12/2019-11/12/2019, M-F, 9am-6pm

Number of people 1 Floorplan Name Counter-6

3,123 In 2,495 Out



Number of people 1 Floorplan Name Counter-7

449 In 401 Out



Use cases

- Monitor freq. used areas of floors
- Manage cleaning regimes
- Limit the number of people in an area

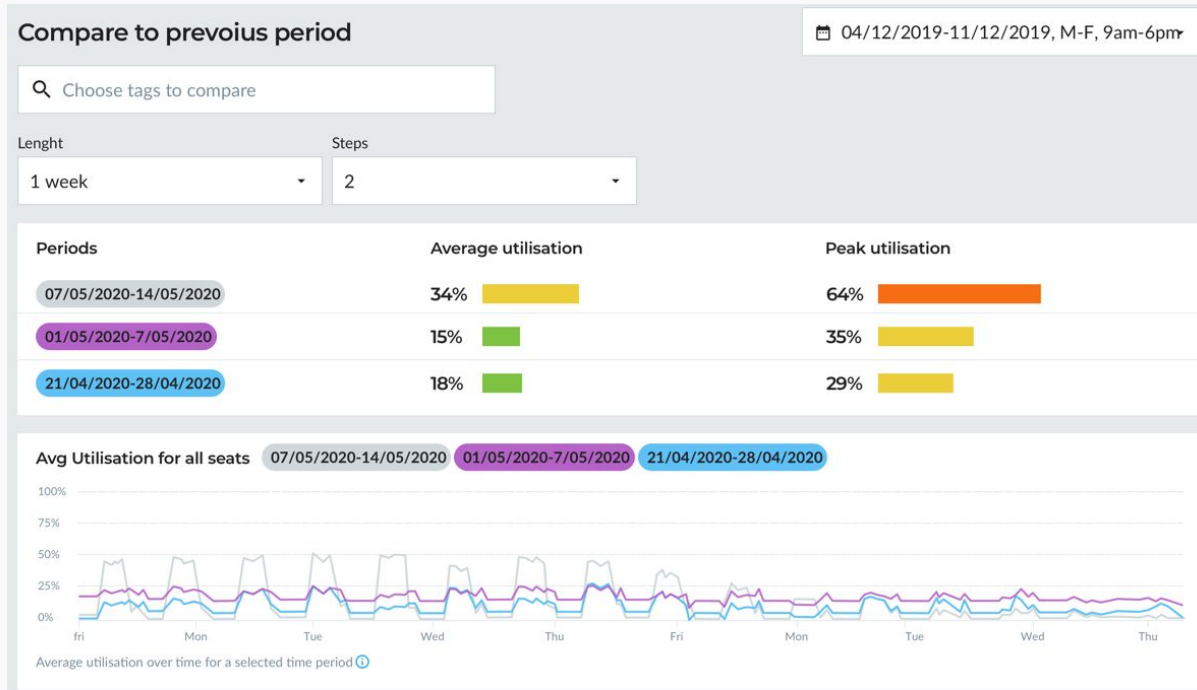
Footfall sensors

Placement: Ceiling

Size: 20cm x 6cm



Workspace utilisation data



Use cases

- Team A & B weekly rotation
- Balance space between teams

Occupancy sensors

Placement: Ceiling

Size: 4cm x 4cm



Desk utilisation

Avg desk utilisation rate on floor plan for 07/05/2020-14/05/2020

Groundfloor Floor 15 Floor 16 Floor 17



Use cases

- Social distancing
- Reports for desk clean

Utilisation sensors

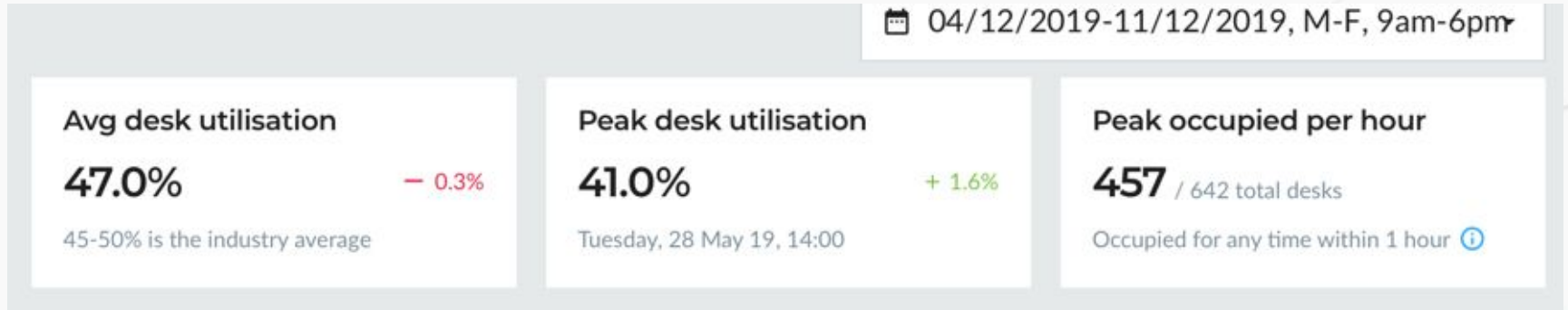
Placement: Under desks

Size: 4cm x 4cm



Average utilisation

Closely track peak and average utilisation to ensure utilisation limits aren't being exceeded



Mobility profile

Review mobility profiles as these will change as a result of COVID19

7 Mobile

people who spend some days away from the office

3 Semi-mobile

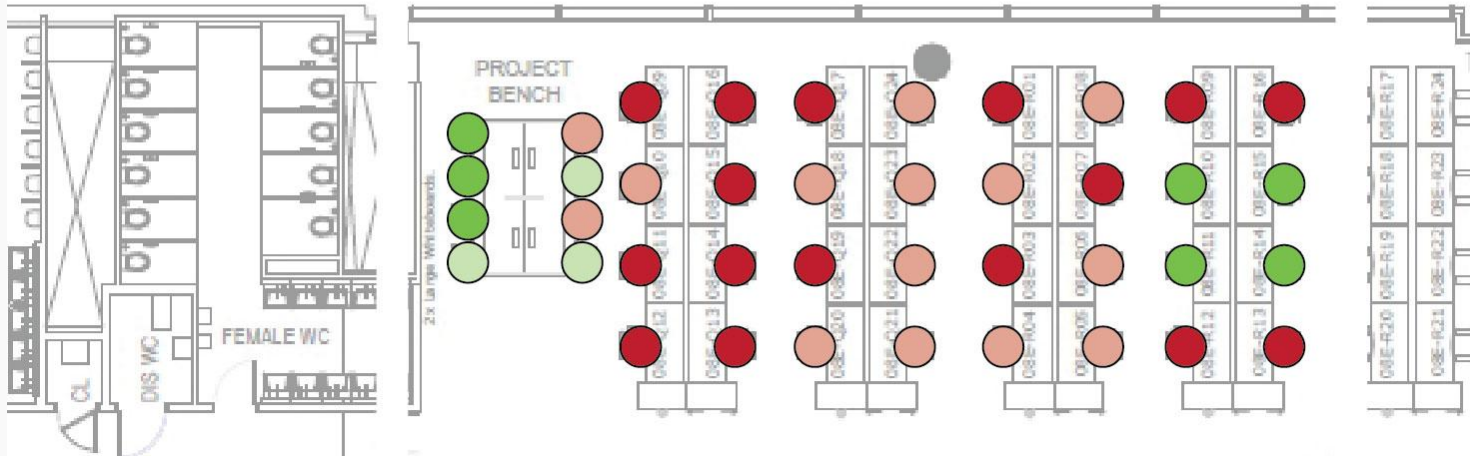
People who only use their desks part of the day

14 Semi-fixed

People who use their desk throughout the day but are frequently away

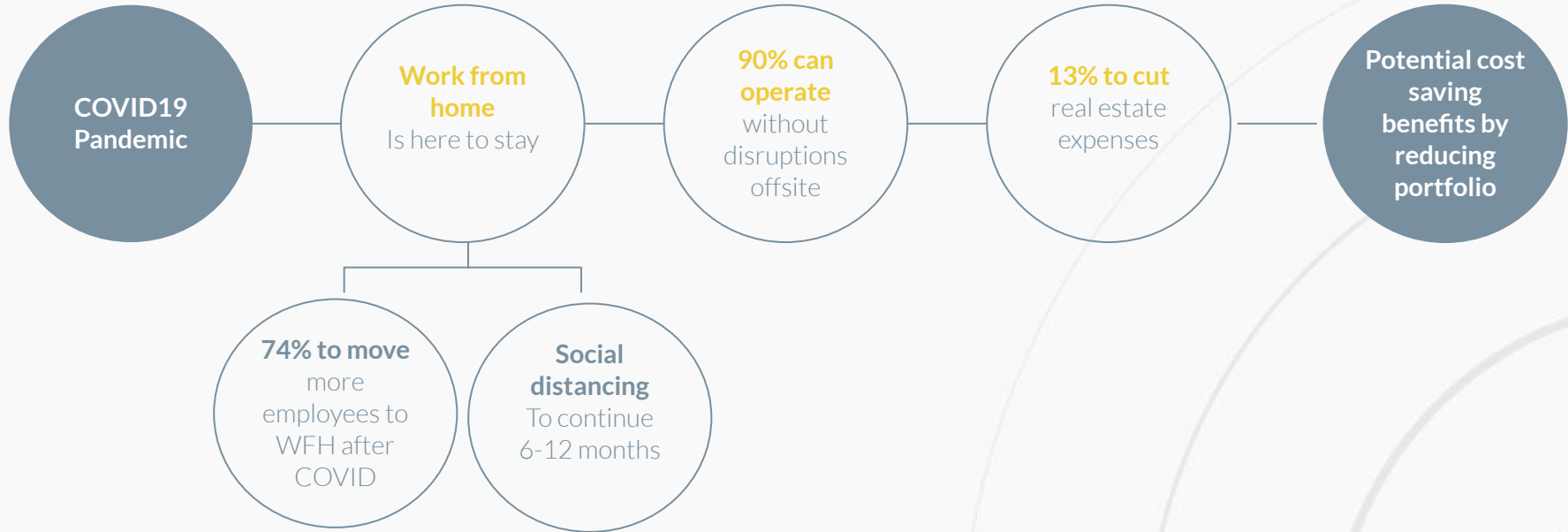
16 Fixed

People who are rarely away from their desks



Forecasting

CFOs across the globe have recognised the potential cost saving benefits of significantly reducing their real estate footprint.



Forecasting

Avg utilisation

Historical data

● **49.0%**

01 Dec 19 - 25 May 20

Forecast / Realistic

● **27.5%**

Realistic prediction

Forecast / High case

● **32.0%**

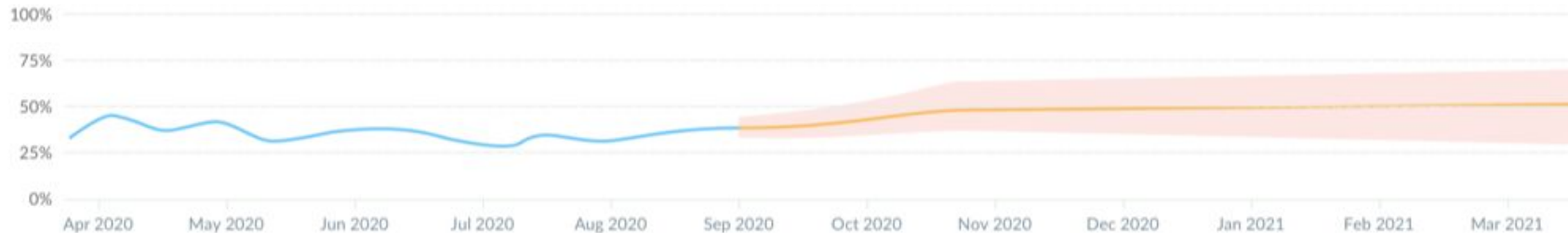
Best case prediction

Forecast / Low case

● **21.0%**

Worst case prediction

Avg seat utilisation over time



Environmental data

Recommended

Humidity levels
40%-60%



CO2 levels
500-600ppm



Current average

Humidity levels
35%

CO2 levels
1000ppm

Utilisation sensors

Placement: Wall or ceiling

Size: 9cm x 9cm



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CO2 overview

04/12/2019-11/12/2019, M-F, 9am-6pm

Average CO2

695.9 ppm

Acceptable levels: < 600 ppm



High CO2

815.0 ppm

Wednesday, 15 Jan 20, 12:00



Low CO2

456.0 ppm

Tuesday, 14 Jan 20, 11:00

CO2 levels (ppm) on floor plan

350-1,000 1,000-2,000 2,000-5,000 >5,000



Employee feedback

Understand what is working or not working

- What challenges people are facing
- Instill confidence
- Reduce uncertainty and fears



Key takeaways

1. Environmental data



Ensure sufficient air flow around the building

2. Office utilisation data



Efficiently manage deep cleaning regimes

3. Footfall



Monitor how people move around the office

4. Employee feedback



Instill confidence


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