

This presentation was live at:



Smart Buildings

SHOW

18-19 October 2023 • ExCel London

Leveraging Data Fusion

Achieving Energy Cost Savings by Understanding Space Usage



Hello!



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Energy Management, Industrial Process
Optimisation, Voluntary Carbon Finance, Carbon
Management & Reporting Software



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Over 20 years of experience in property technology,
passionate about adopting forward thinking technology
and Internet of Things to help organisations save
energy costs and become more sustainable.

The Big 3 Challenges

Barriers to better energy management and how to overcome them



Getting visibility of your energy cost drivers

FuelType	SubFuelType	From Date	Unit Symbol	Total Consumption	Standard Consumption	Year	Week Number	Year Week
Electricity	Grid Electricity	31/12/2018 00:00	kWh	1289283.5	1289283.5	2019	1	2019-1
Gas	Natural Gas	31/12/2018 00:00	kWh	500711.2868	500711.2868	2019	1	2019-1
Water	NULL	31/12/2018 00:00	kg	108850	108.85	2019	1	2019-1
Water	NULL	31/12/2018 00:00	m3	3447.782882	3447.782882	2019	1	2019-1
Electricity	Grid Electricity	07/01/2019 00:00	kWh			2019	2	2019-2
Gas	Natural Gas	07/01/2019 00:00	kWh	500711.2868	500711.2868	2019	2	2019-2
Water	NULL	07/01/2019 00:00	kg	107810	107.81	2019	2	2019-2
Water	NULL	07/01/2019 00:00	m3	3450.785382	3450.785382	2019	2	2019-2
Electricity	Grid Electricity	14/01/2019 00:00	kWh			2019	3	2019-3
Gas	Natural Gas	14/01/2019 00:00	kWh	500711.2868	500711.2868	2019	3	2019-3
Water	NULL	14/01/2019 00:00	kg	97430	97.43	2019	3	2019-3
Water	NULL	14/01/2019 00:00	m3					
Electricity	Grid Electricity	21/01/2019 00:00	kWh	1314422.5	1314422.5	2019	4	2019-4
Gas	Natural Gas	21/01/2019 00:00	kWh	500711.2868	500711.2868	2019	4	2019-4
Water	NULL	21/01/2019 00:00	kg	106280	106.28	2019	4	2019-4
Water	NULL	21/01/2019 00:00	m3	3449.997382	3449.997382	2019	4	2019-4
Electricity	Grid Electricity	28/01/2019 00:00	kWh	1377127	1377127	2019	5	2019-5
Gas	Natural Gas	28/01/2019 00:00	kWh	480448.8692	480448.8692	2019	5	2019-5
Water	NULL	28/01/2019 00:00	kg			2019	5	2019-5
Water	NULL	28/01/2019 00:00	m3	3314.888933	3314.888933	2019	5	2019-5
Electricity	Grid Electricity	04/02/2019 00:00	kWh			2019	6	2019-6
Gas	Natural Gas		kWh					
Water	NULL	04/02/2019 00:00	kg	93870	93.87	2019	6	2019-6
Water	NULL	04/02/2019 00:00	m3	3133.294	3133.294	2019	6	2019-6
Electricity	Grid Electricity	11/02/2019 00:00	kWh	1336416.5	1336416.5	2019	7	2019-7
Gas	Natural Gas	11/02/2019 00:00	kWh	453432.3125	453432.3125	2019	7	2019-7
Water	NULL	11/02/2019 00:00	kg	96400	96.4	2019	7	2019-7
Water	NULL	11/02/2019 00:00	m3	3134.406	3134.406	2019	7	2019-7
Electricity	Grid Electricity		kWh			2019	8	2019-8
Gas	Natural Gas	18/02/2019 00:00	kWh	453432.3125	453432.3125	2019	8	2019-8
Water	NULL	18/02/2019 00:00	kg	102610	102.61	2019	8	2019-8
Water	NULL	18/02/2019 00:00	m3	3133.677	3133.677	2019	8	2019-8
Electricity	Grid Electricity	25/02/2019 00:00	kWh	1309766	1309766	2019	9	2019-9
Gas	Natural Gas	25/02/2019 00:00	kWh	443982.3079	443982.3079	2019	9	2019-9
Water	NULL	25/02/2019 00:00	kg			2019	9	2019-9
Water	NULL	25/02/2019 00:00	m3	3135.532611	3135.532611	2019	9	2019-9

Sheet1



Targeting your efforts to maximum effect





What you'll hear about today

- **Space usage trends** > shifting property use and energy management
- **Office usage trends** > dynamic working and correlating energy patterns
- **Data fusion in action** > demonstrating tangible benefits & savings

About MRI Software

50+
years

45k
clients

3k
people

Property & Investment Management

Energy & Sustainability

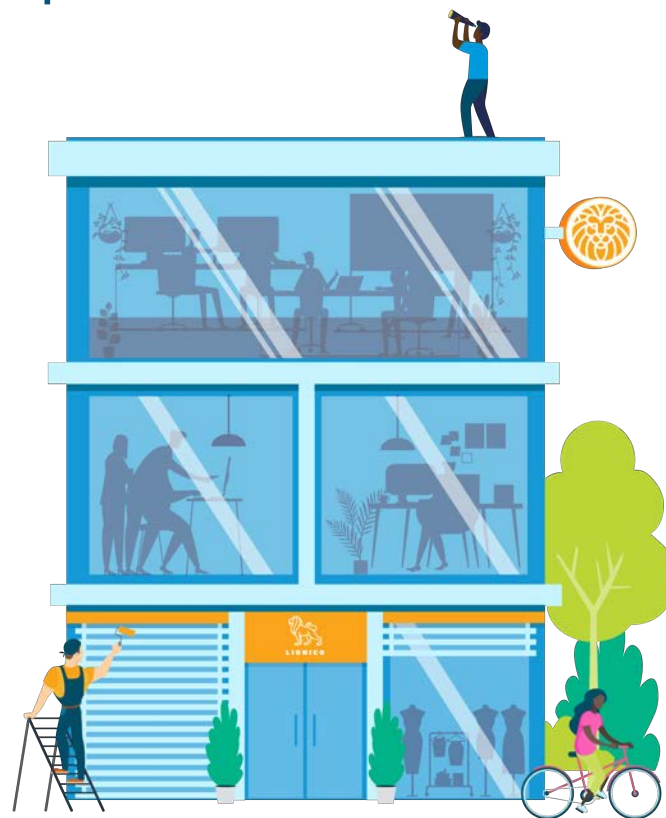
Retail Intelligence

Facilities Management

Tenant Engagement

Lease Management

Finance & Accounting



Commercial

Residential

Build to Rent

Block Management

Social Housing

Owners

Occupiers

Investors

Managing Agents

Local Authorities

Agencies

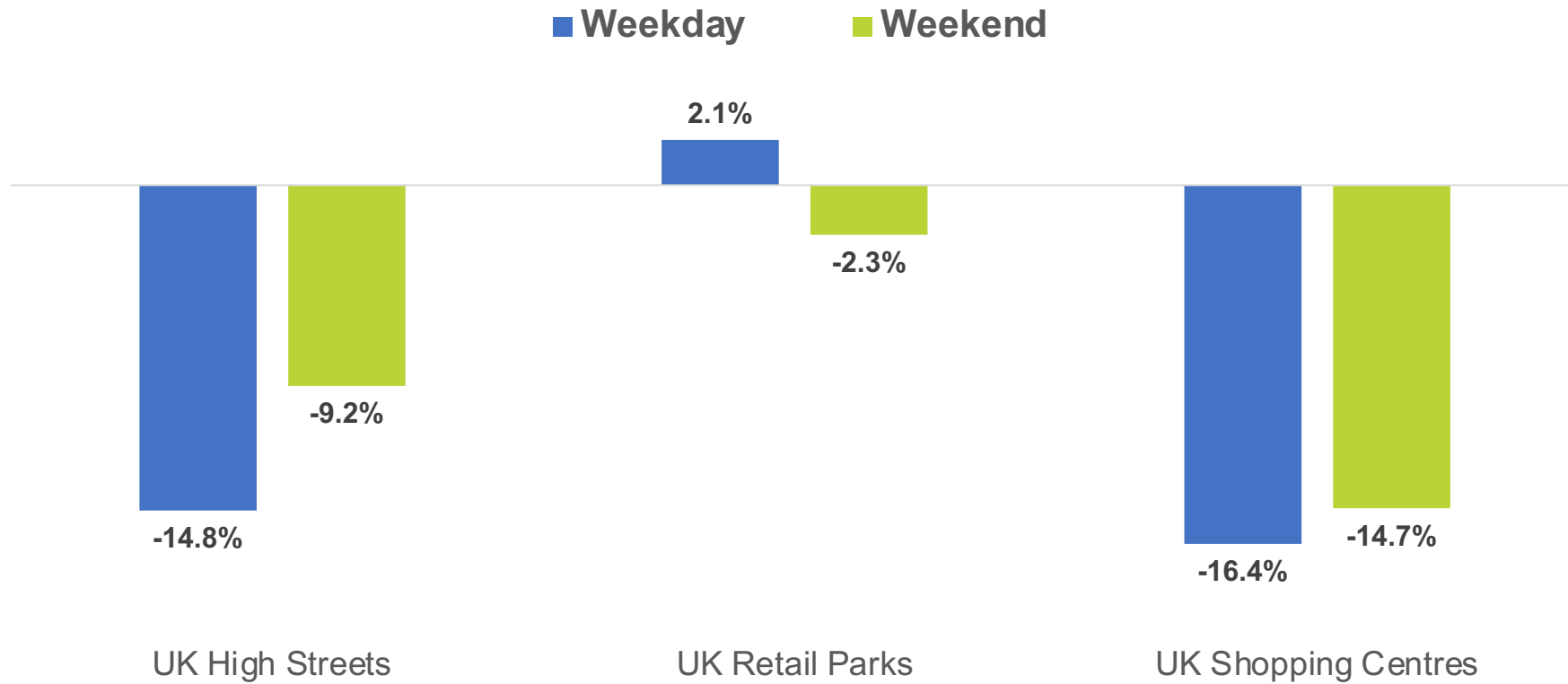
Government

How trends in space usage affect energy management

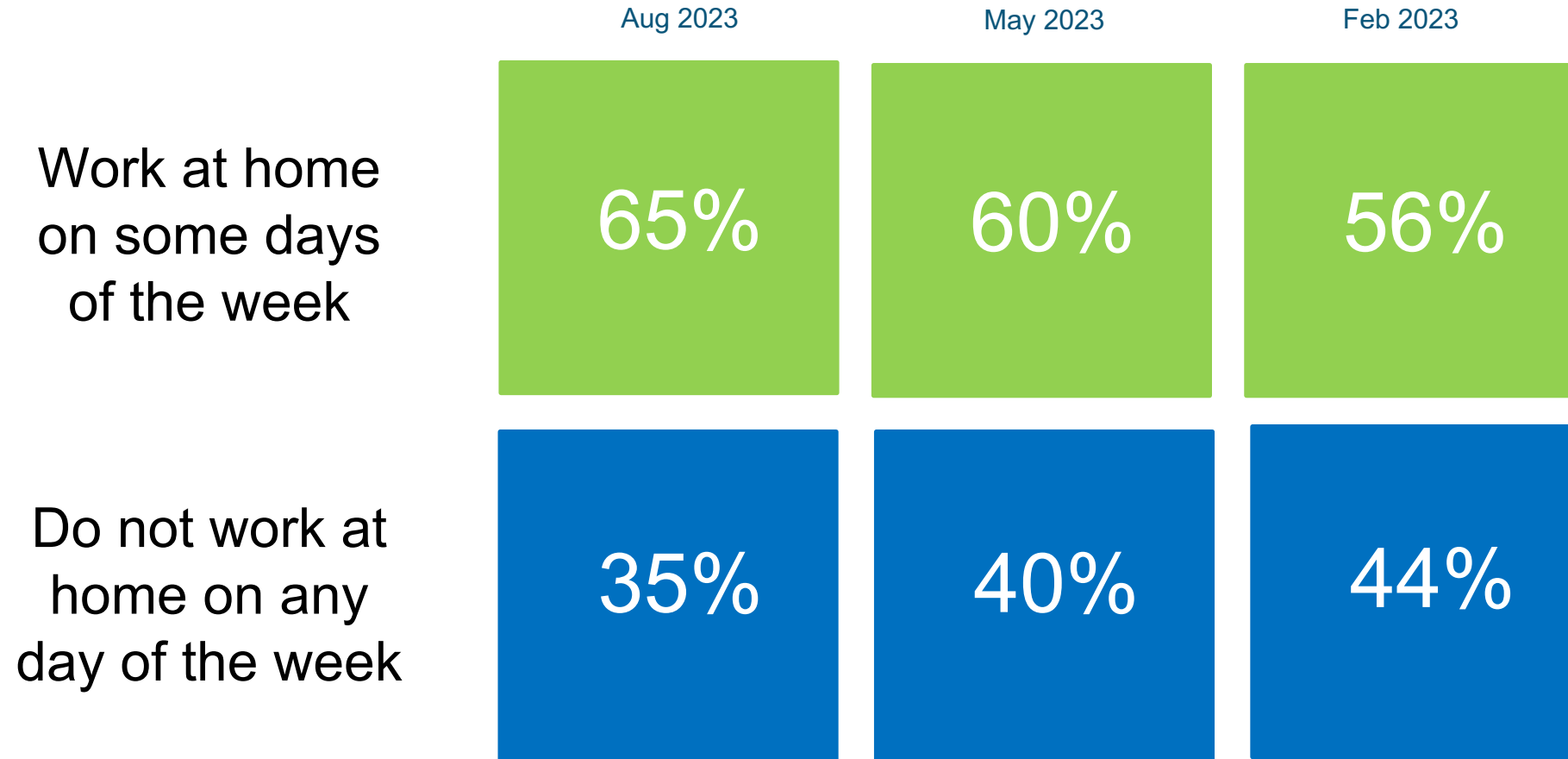


UK footfall – weekday vs weekend

(2023 vs 2019 - Sep 2022 to Aug 2023)

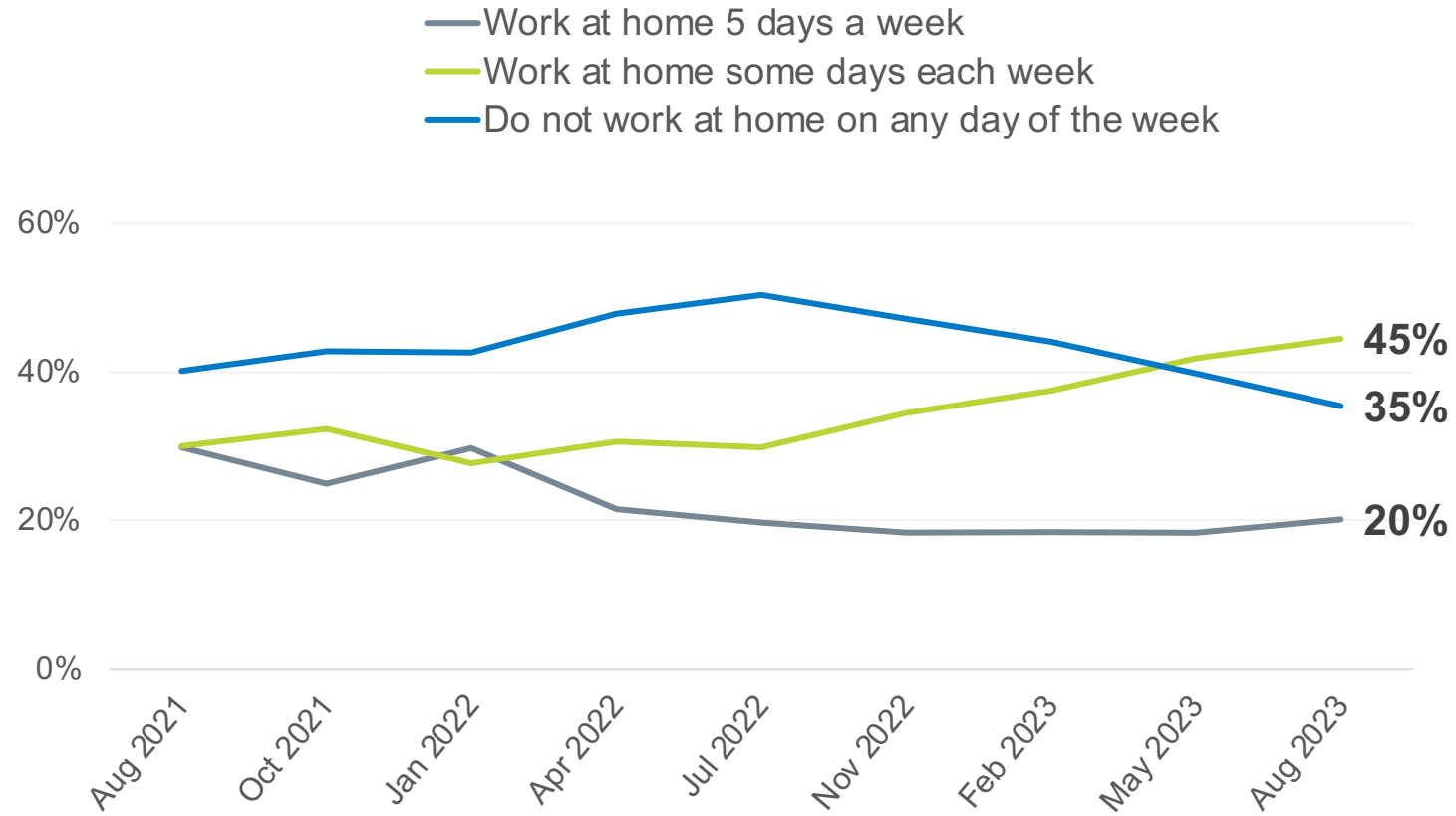


Hybrid working



Source: MRI Springboard Consumer Survey

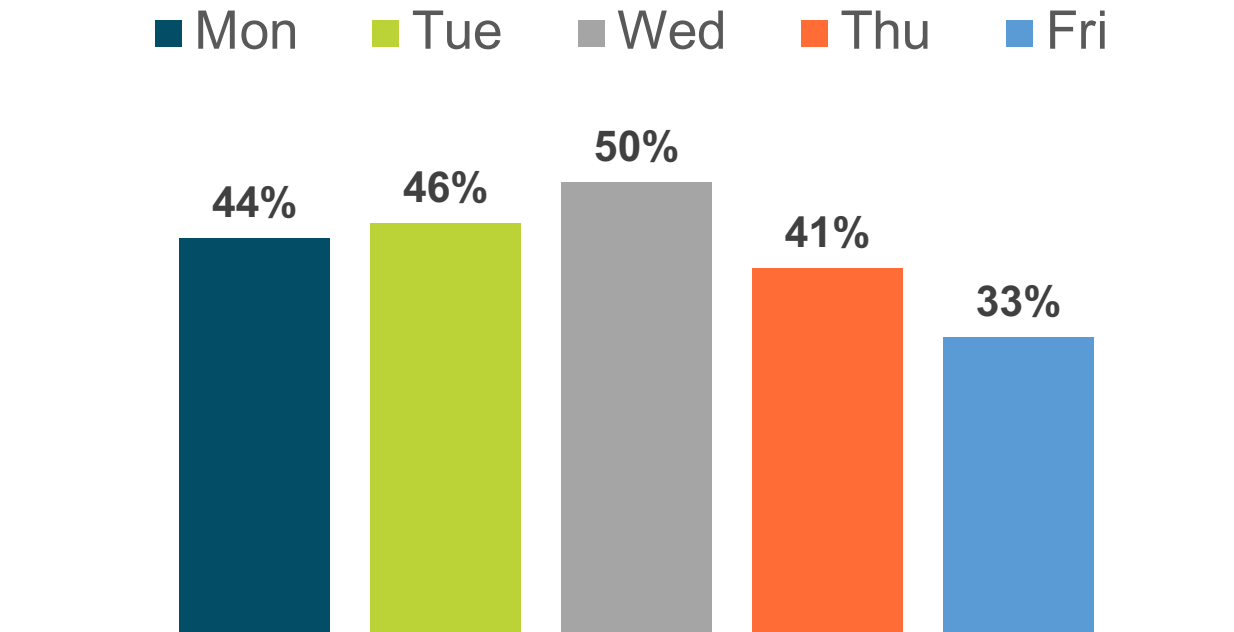
Hybrid working



Source: MRI Springboard Consumer Survey

Hybrid working

Days chosen to work in the office



Source: MRI Springboard Consumer Survey

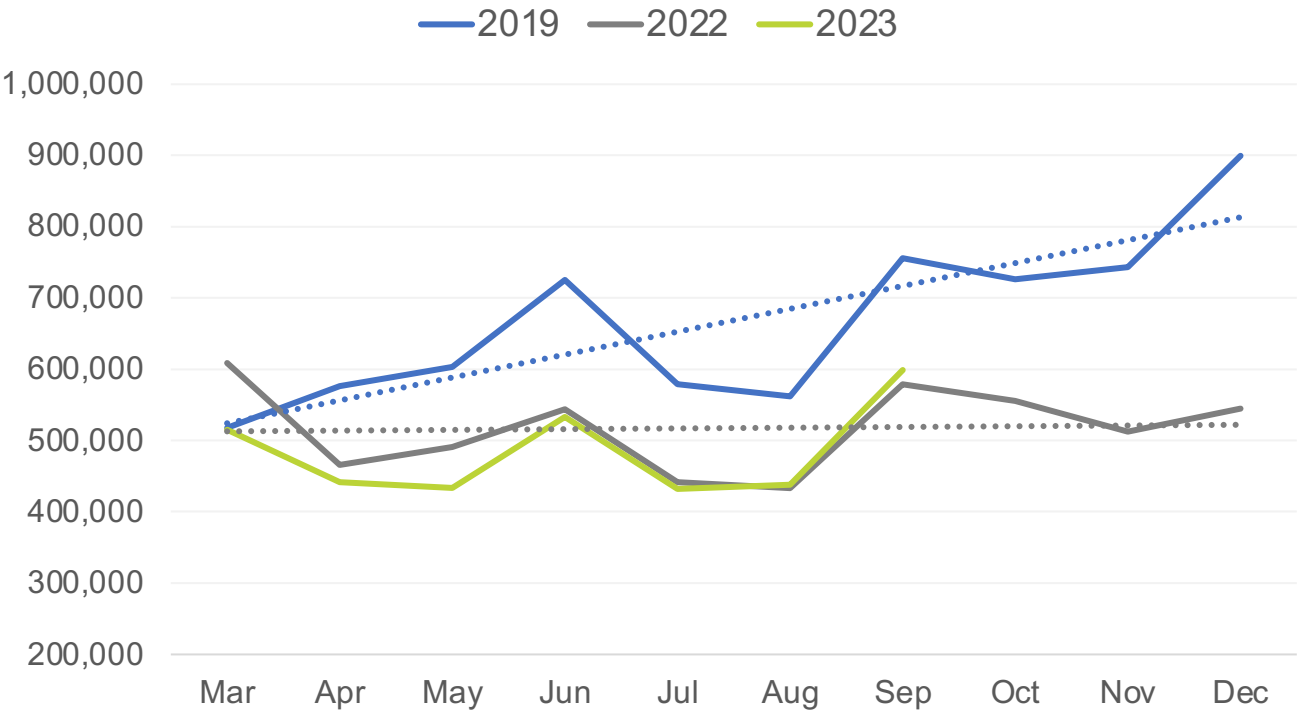
City centre

Leeds



Park Row | Leads

(footfall volume by month)



2022 vs 2019

-23.4%

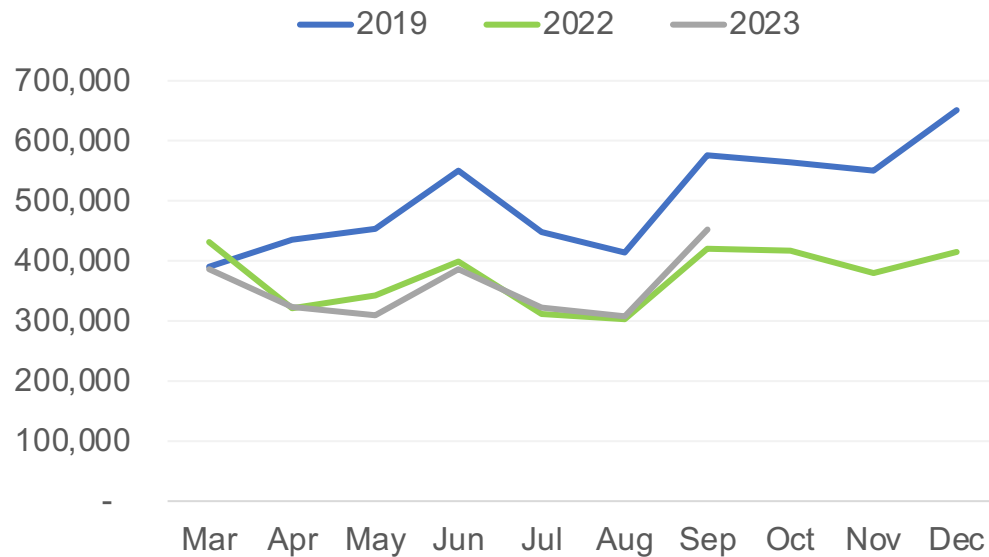
2023 vs 2019

-20.8%

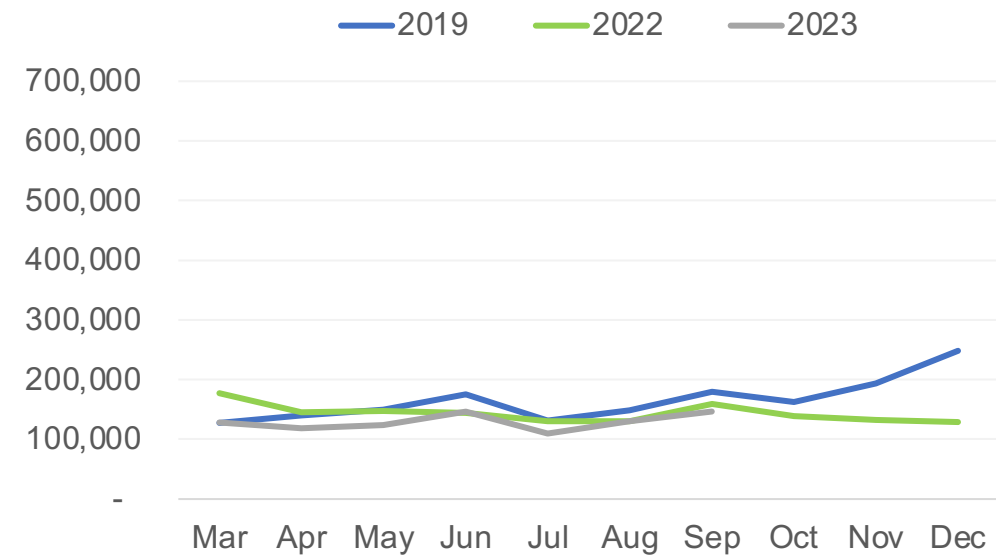
Park Row | Leeds

(footfall volume by month)

Weekday



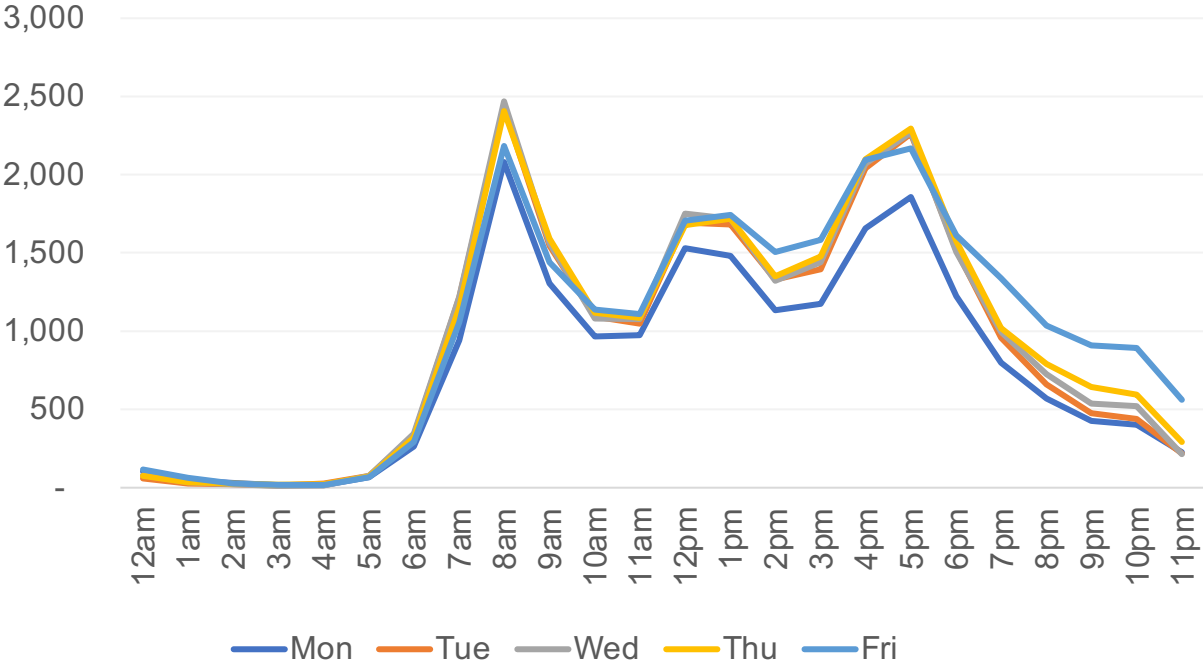
Weekend



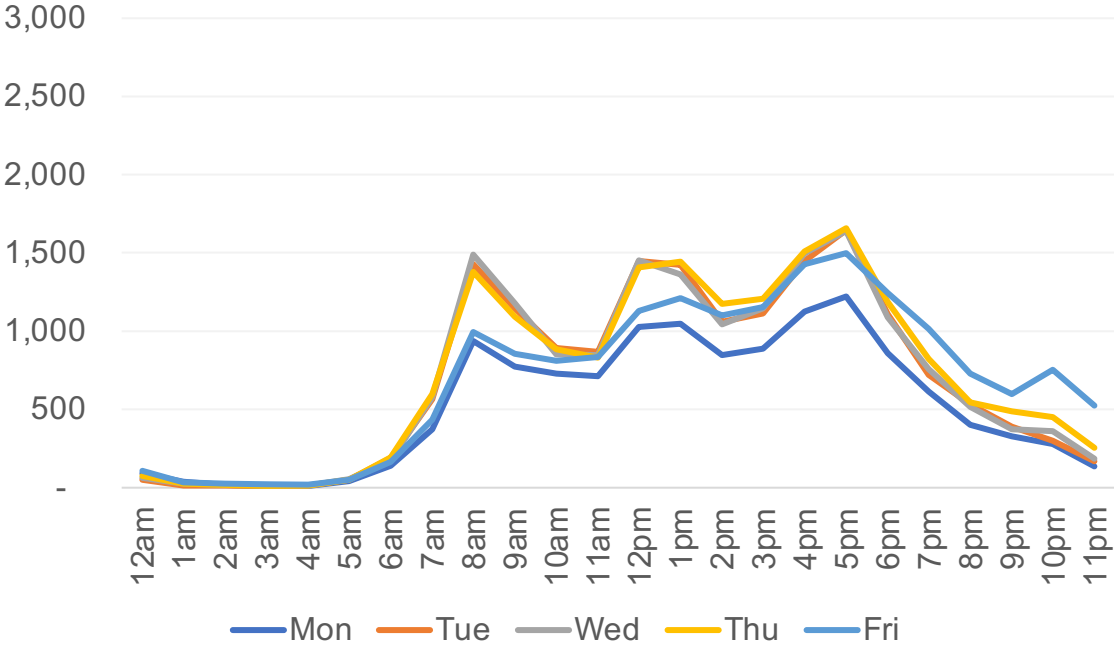
Park Row | Leeds

(footfall volume by hour by day)

2019



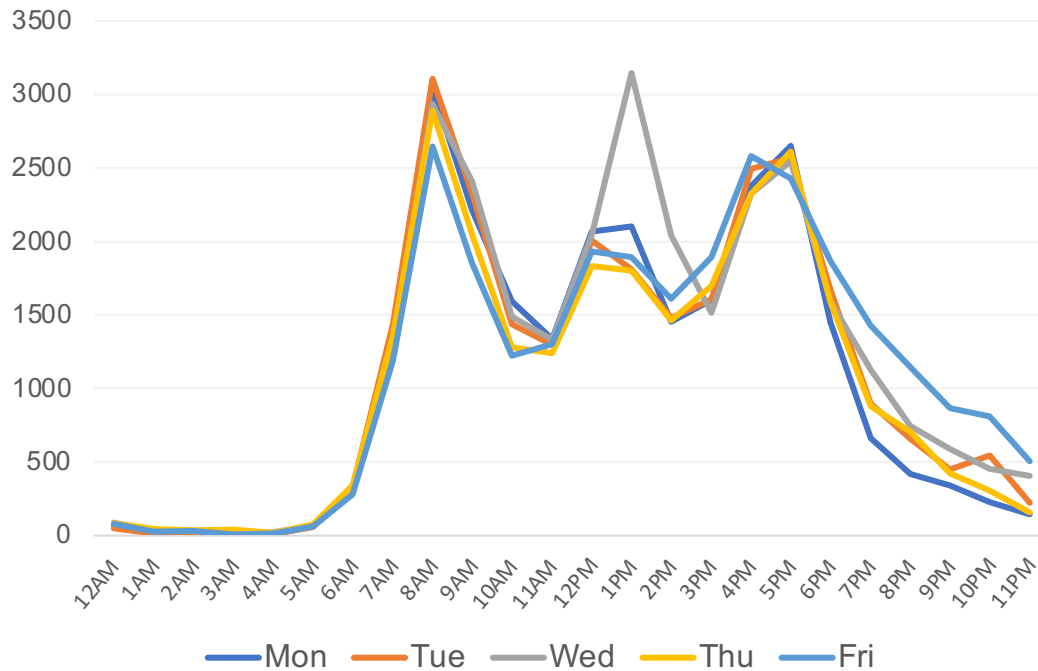
2023



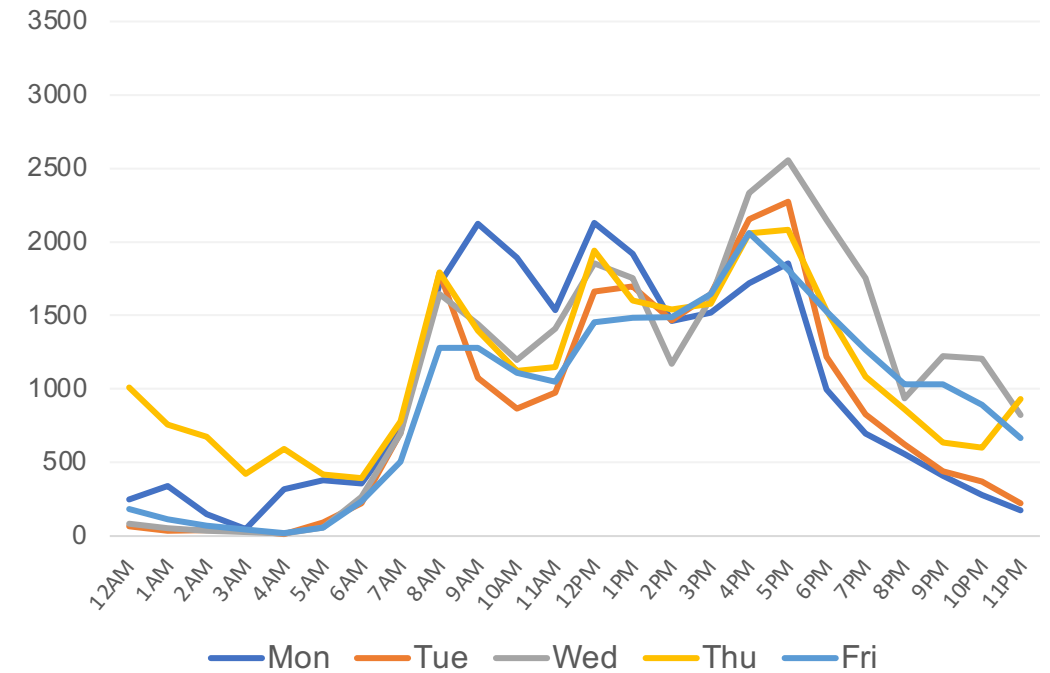
Park Row | Leeds

(Week 39 2023 - footfall volume by hour by day)

Wb 30th September 2019



Wb 24th September 2023



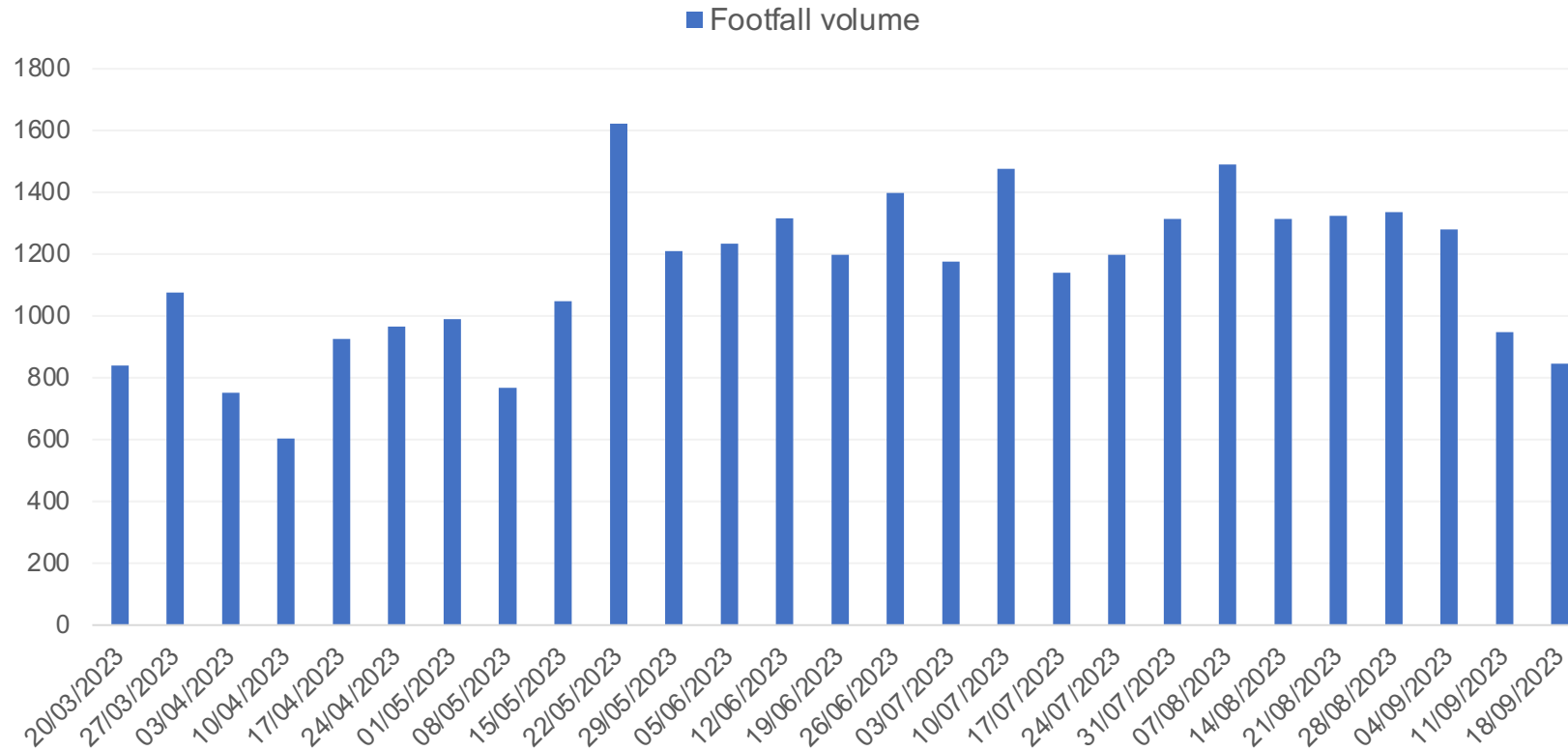
Office

City of London



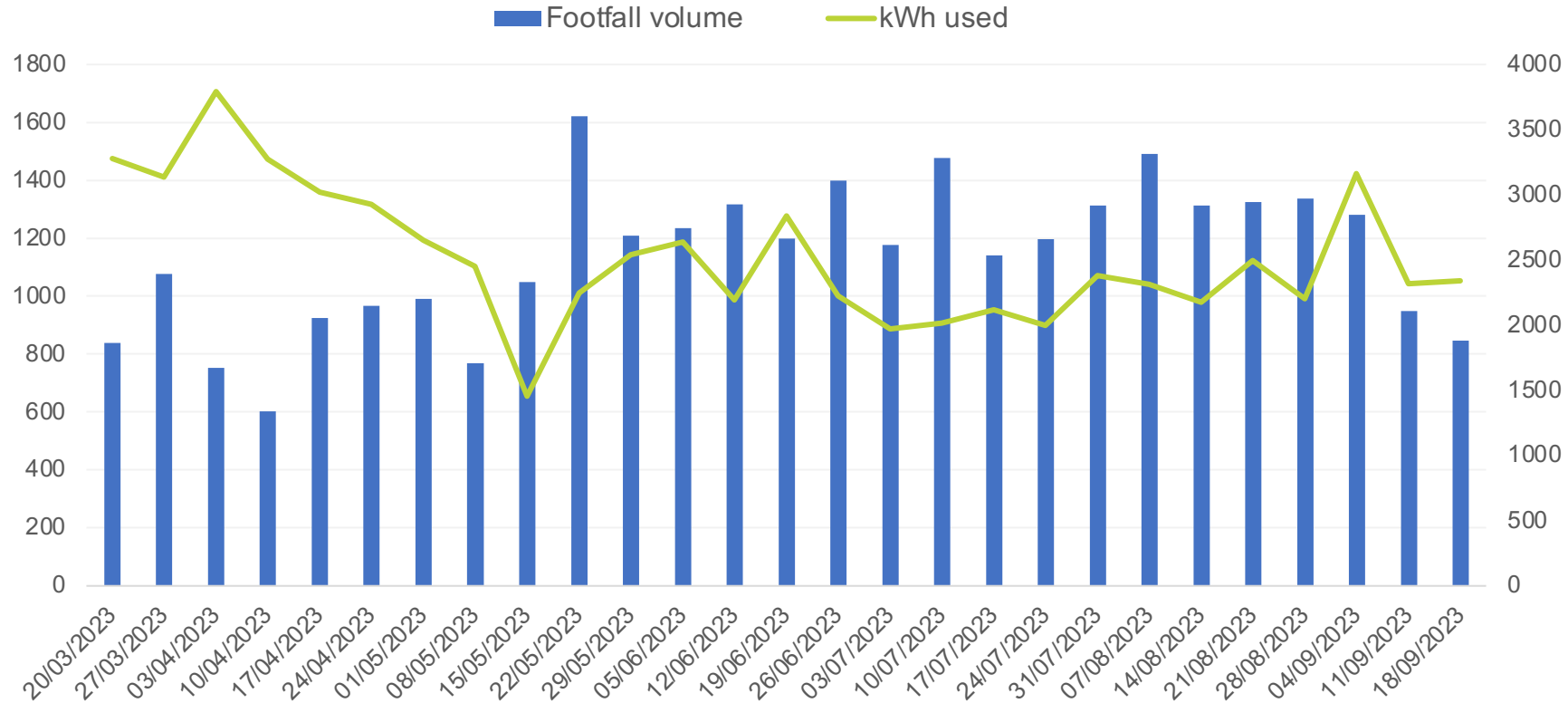
Office building | Footfall informing Energy

Volume pw – wb 20th March 2023 to wb 18th September 2023



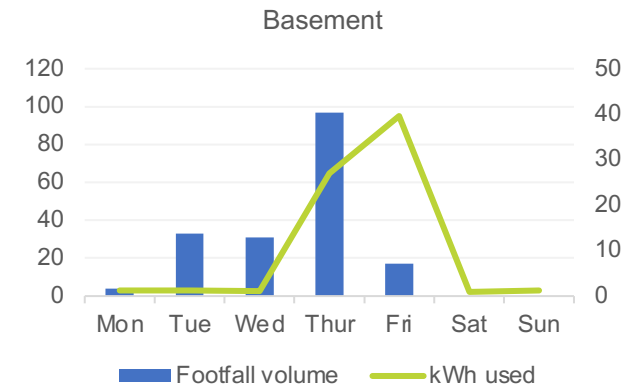
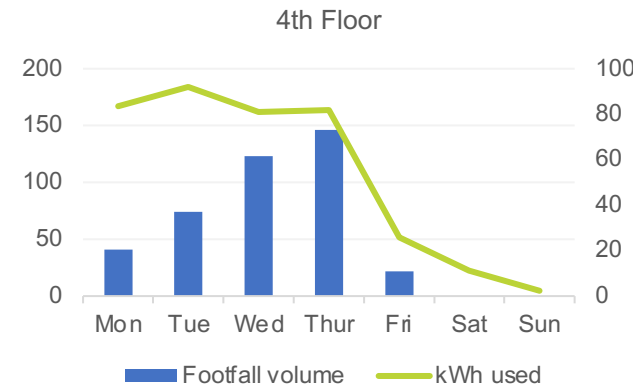
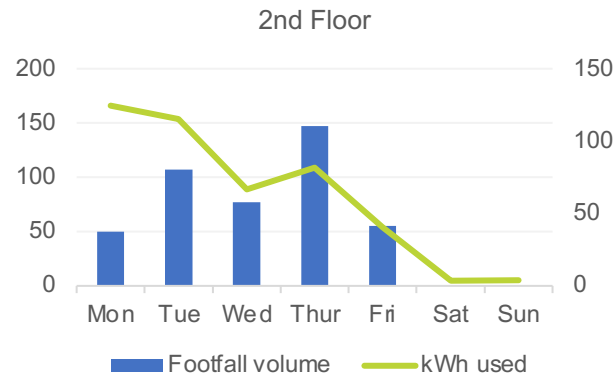
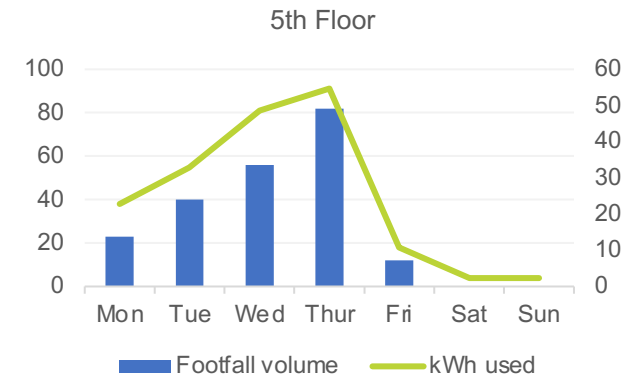
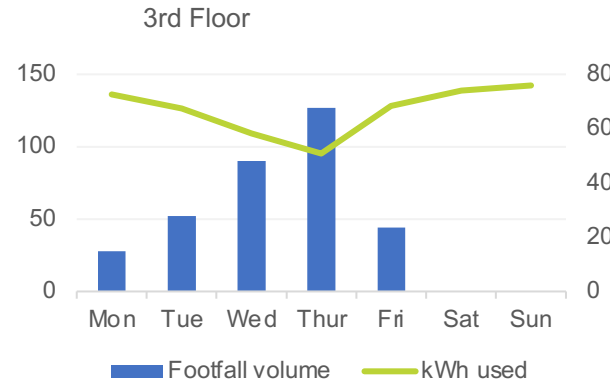
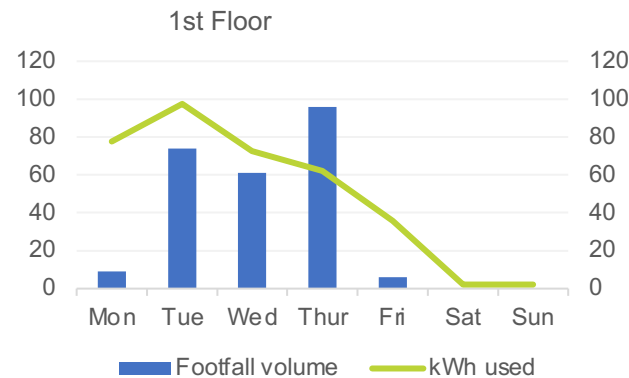
Office building | Footfall informing Energy

Volume pw – wb 20th March 2023 to wb 18th September 2023



Office building | Energy used by floor

kWh used w/b 18th September 2023



Takeaways

- > **Now's the time** – shifting trends & drivers for change are here
- > **You can't manage what you don't measure** – get full visibility and take action
- > **Best business case for your organisation & environment** - what could you be saving?

Before you go

How can we help? Talk to us about energy management





Smart Buildings **SHOW**

9-10 October 2024 • ExCeL London

We look forward to seeing you in 2024