



Seeing Estates Differently

Using Data Visualisation to Inform Better Decisions

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Presenters

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AtkinsRéalis



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Chief Executive Officer
Place Intelligence



Introduction

3%

reduction

in undergraduate applications
since 2022

6%

increase

in operating costs since 2023

41%

of Universities operating in a
deficit budget in 2025/26

20%

of Higher Education buildings are
in a poor condition

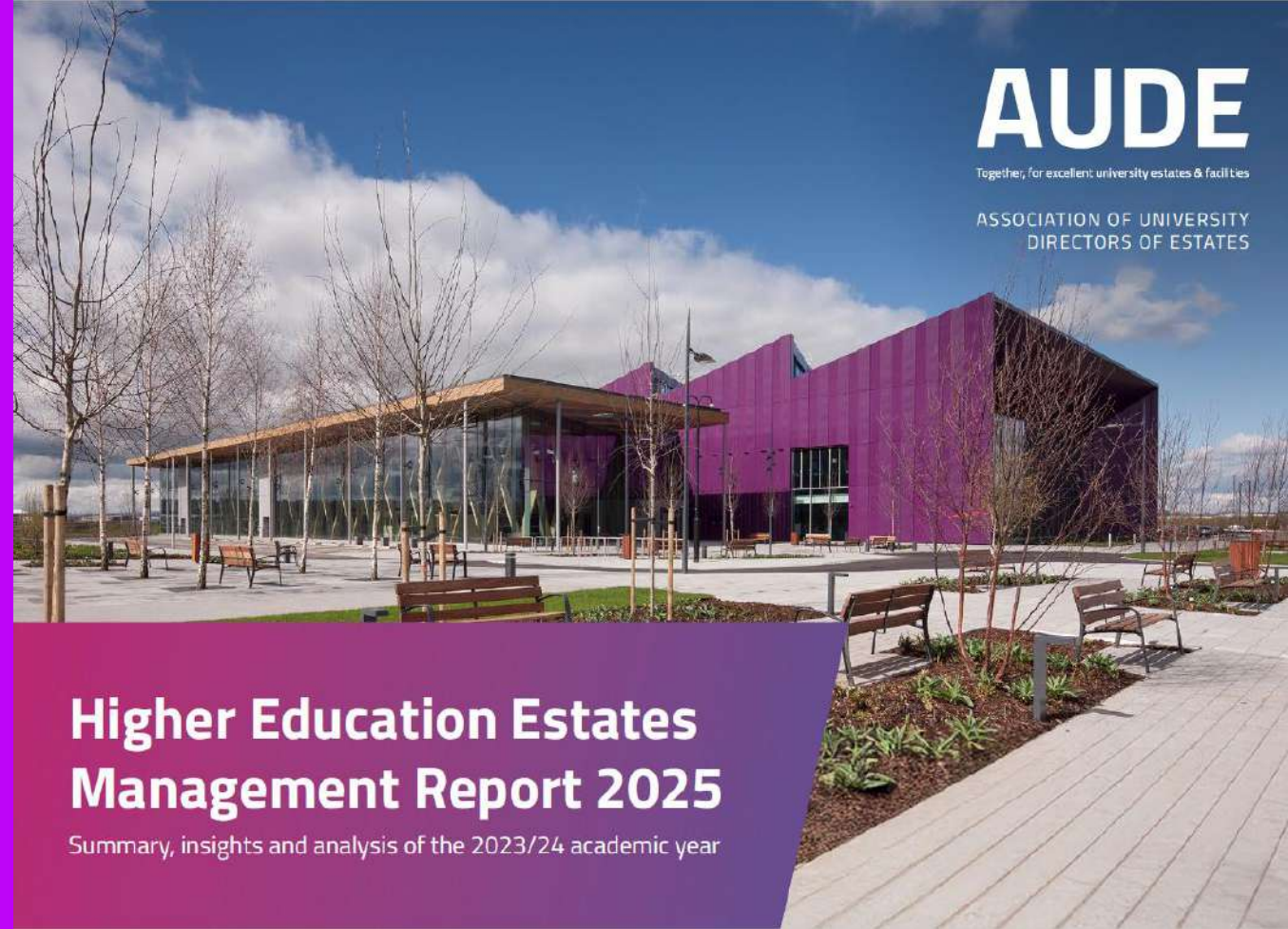
Data in Higher Education



Less is
more?

Data in Higher Education

- HESA
- AUDE EMR
- University's Own Data
- Commercially available Data
- ONS Data



Data Quality Standards

GovS 004: Property defines minimum expectations for managing estates and FM across government. They are mandatory in central government, but increasingly used as best-practice benchmarks across wider public sector (including HE)

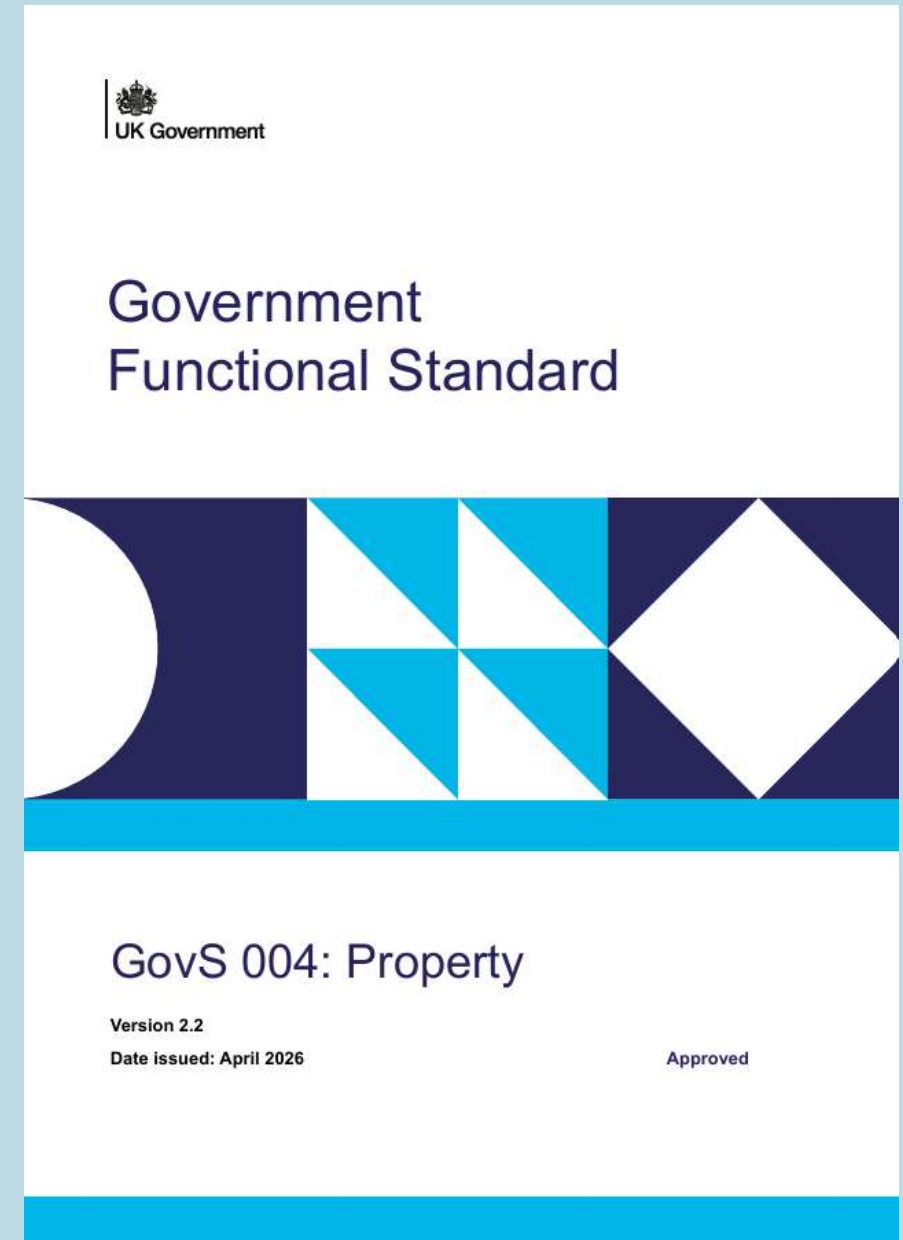
Core themes:

- Standardisation
- Data-led decision-making
- Whole-life asset management
- Assurance and accountability

The FMS suite is essentially driving big shifts:

- Know your estate properly (FMS002 – asset data)
- Prove it performs and improves (FMS007.5 – Evaluating backlog maintenance)

The FMS standards effectively define a pathway from “managed buildings” to “intelligent estates”.

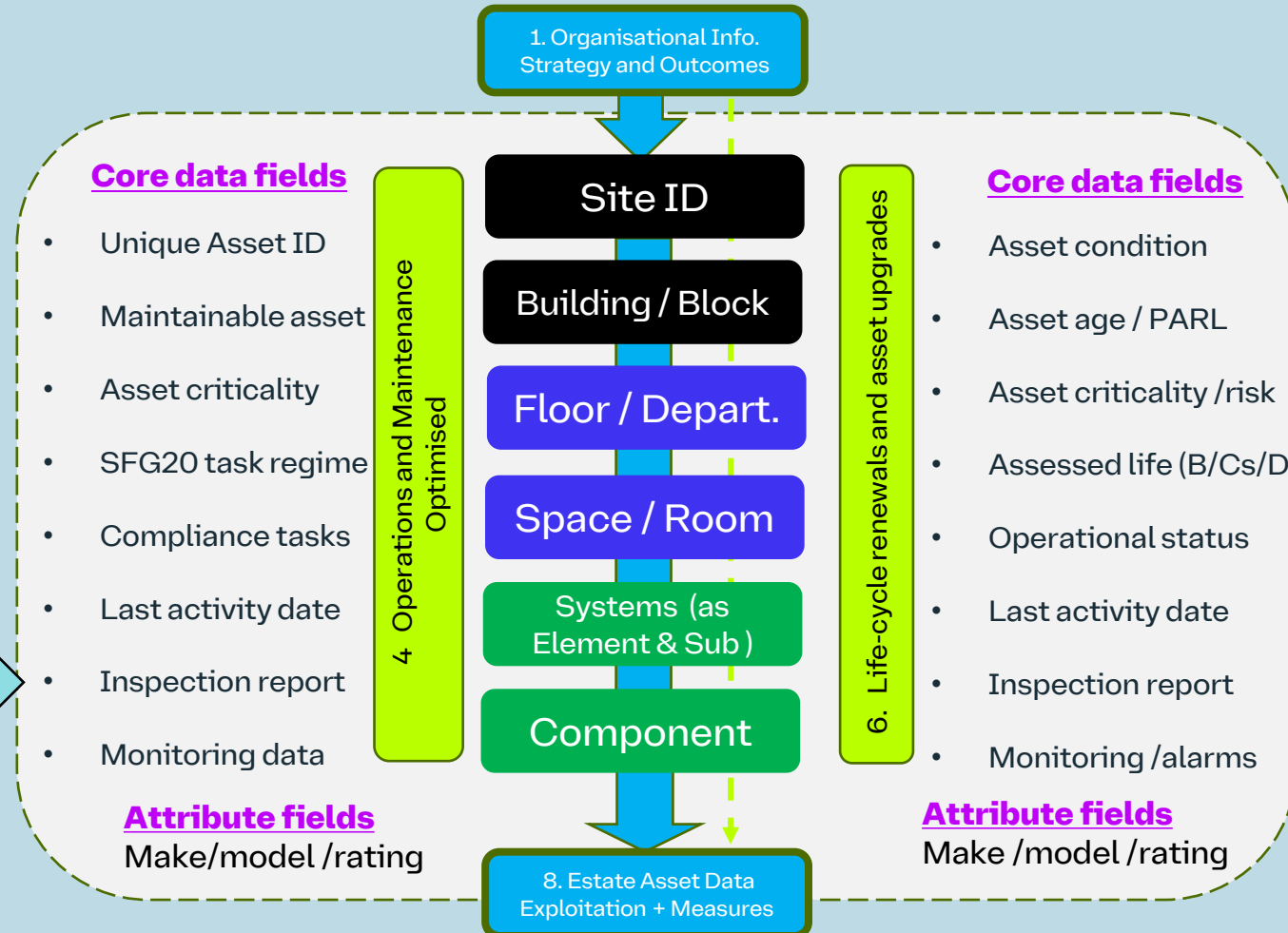


FMS002 – Asset Data Fields

Rapid Discovery



AM & Data
Standards



Data & Quality – the left hand & the right hand



- BMS
- Inspection
- Compliance
- Regulatory
- Numerical

“MINIMISING FAILURE”

Data & Quality – the left hand & the right hand

- Vision & Ambition
- University Brand
- Student Experience
- Innovation
- Optimum Solutions



“MAXIMISING OPPORTUNITY”

Delivering Quality

- Wellbeing
- Digital footprints
- Human-centred decisions
- Student & Staff-centred preferences

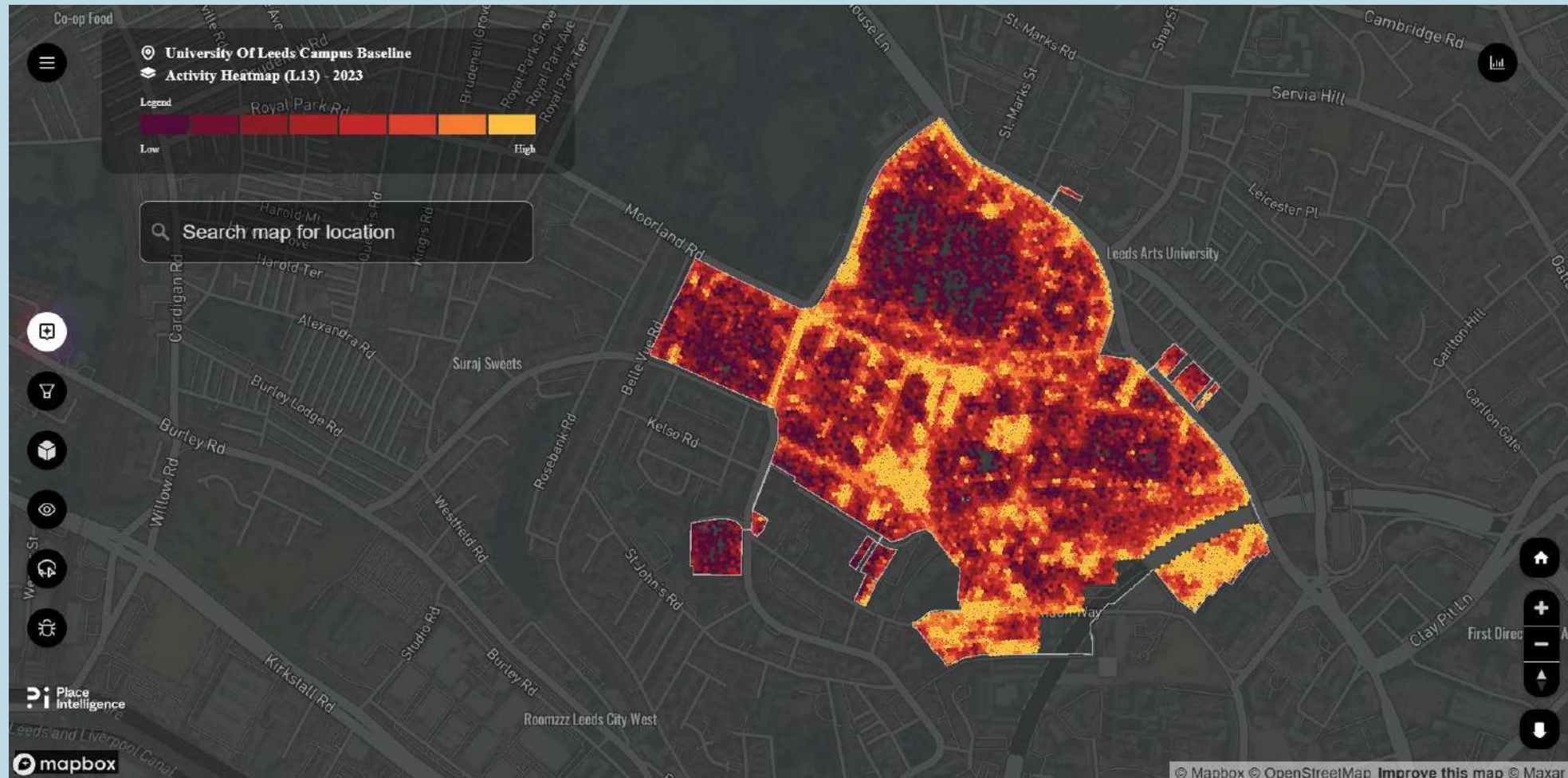


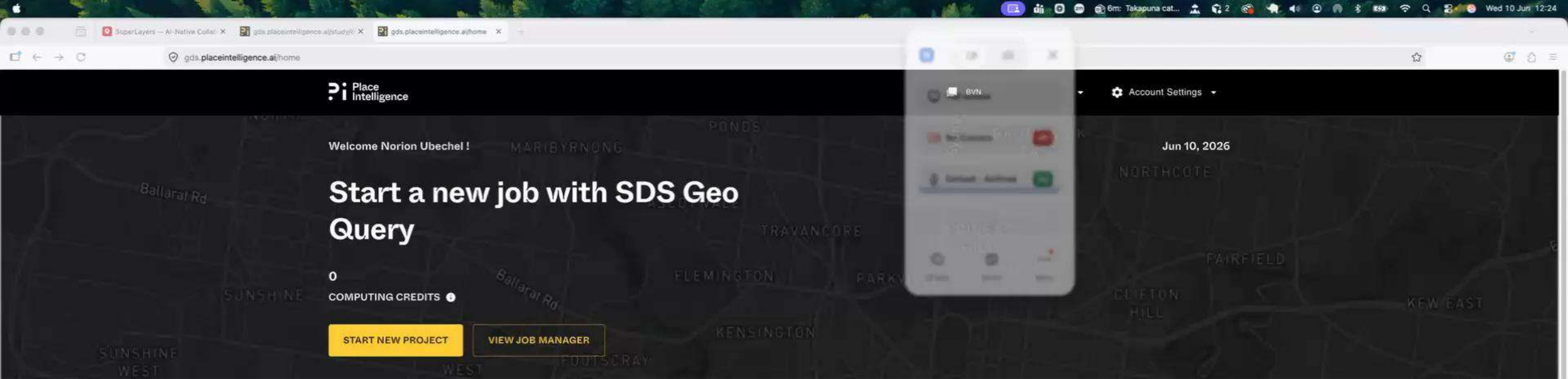
- Governance
- Maintenance Regimes
- BIM integration
- Return on Investment

"INNOVATIVE STANDARDS"

"MINIMISING FAILURE"

Decisions at scale – using macro level data





Projects Archived

BVN's Projects

Search by keyword Sort By Date Created View List View

Name	Date Created	Last Update	Studies	Actions
Monash University	Aug 30, 2024	Aug 30, 2024	6	Open Project
Taronga Sydney	Dec 3, 2025	Dec 3, 2025	4	Open Project
Western Plains Zoo	Dec 8, 2025	Dec 8, 2025	3	Open Project

Your Projects

Search by keyword Sort By Date Created View List View

Name	Date Created	Last Update	Studies	Actions
AFL Demo v1	Sep 11, 2023	Sep 11, 2023	2	Open Project
ANU Demo Old	Sep 18, 2023	Sep 18, 2023	0	Open Project

Place Intelligence Products

Dive into data products, learn about use cases and discover how to use data with impact.

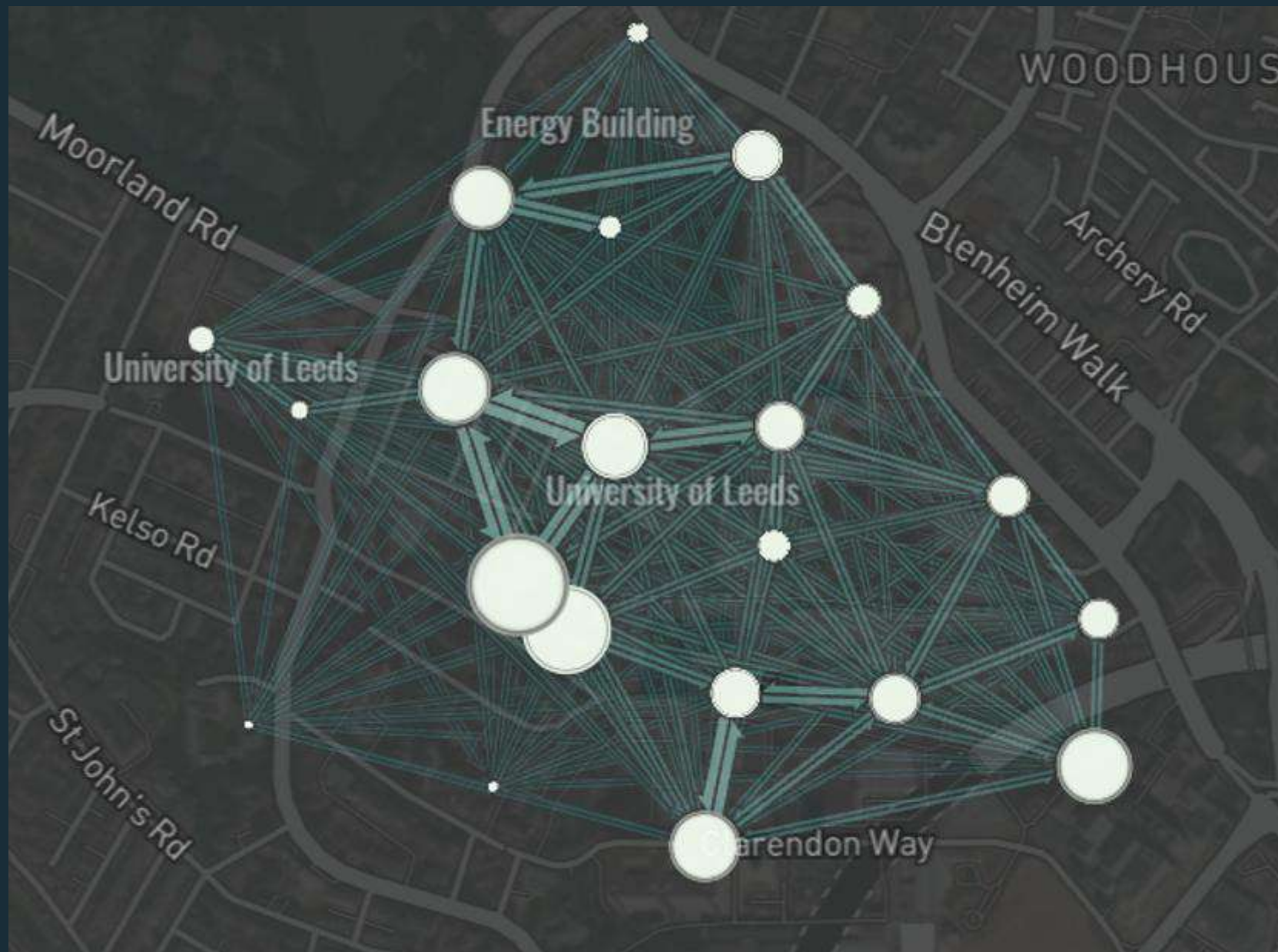
Our Products

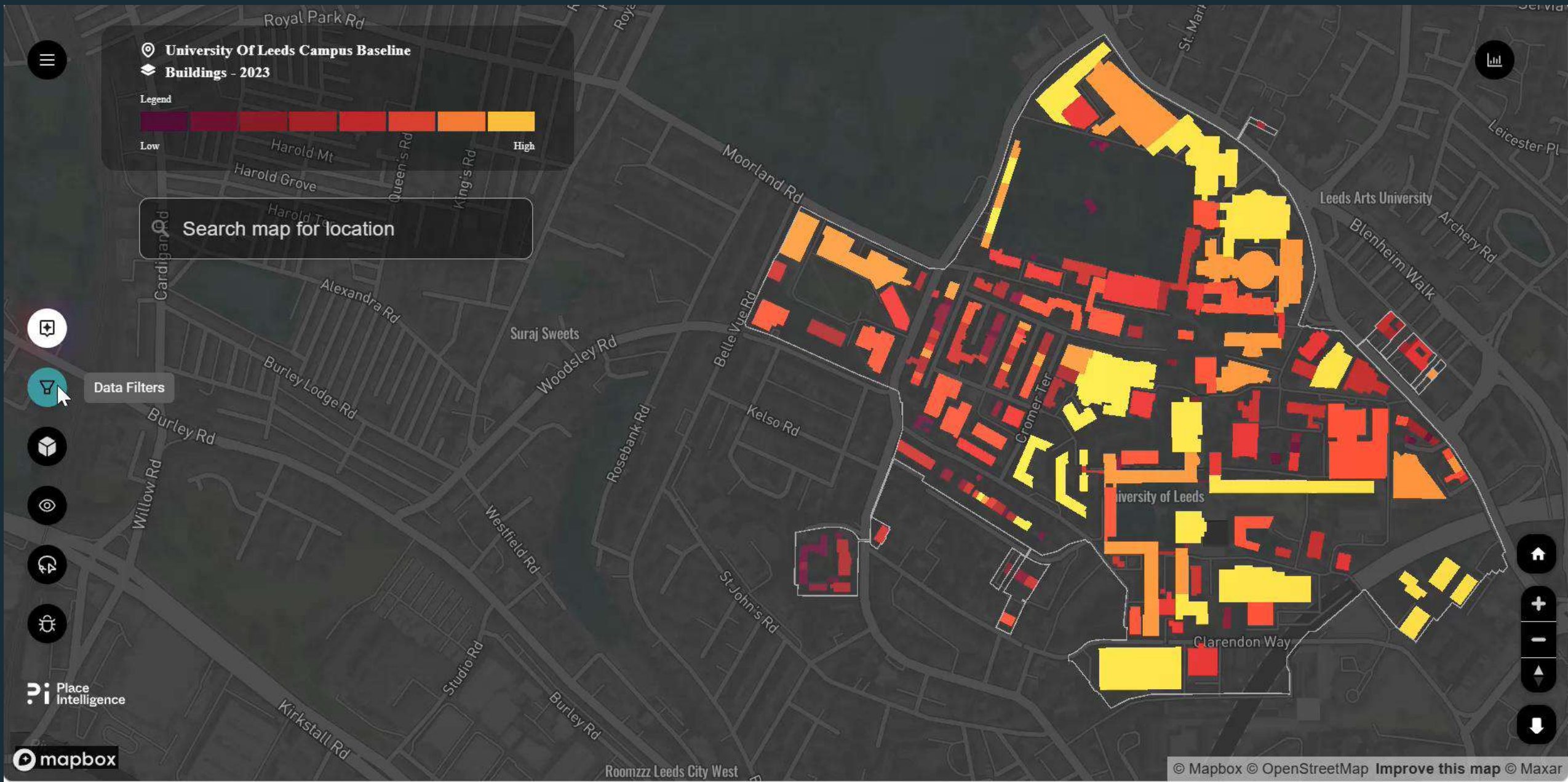


Site Designer Studio
RECOMMENDED

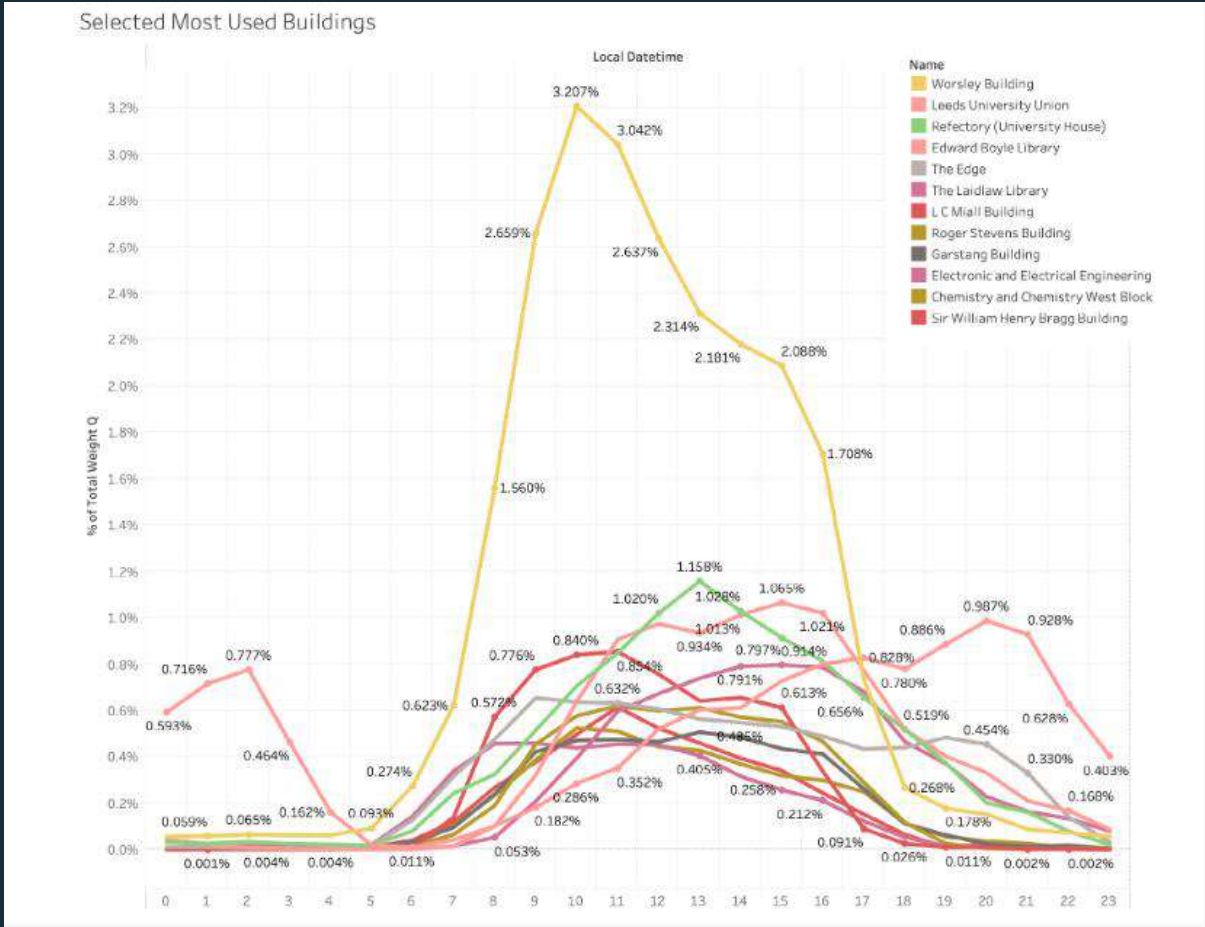
Custom studies with rich data layers computed on demand.



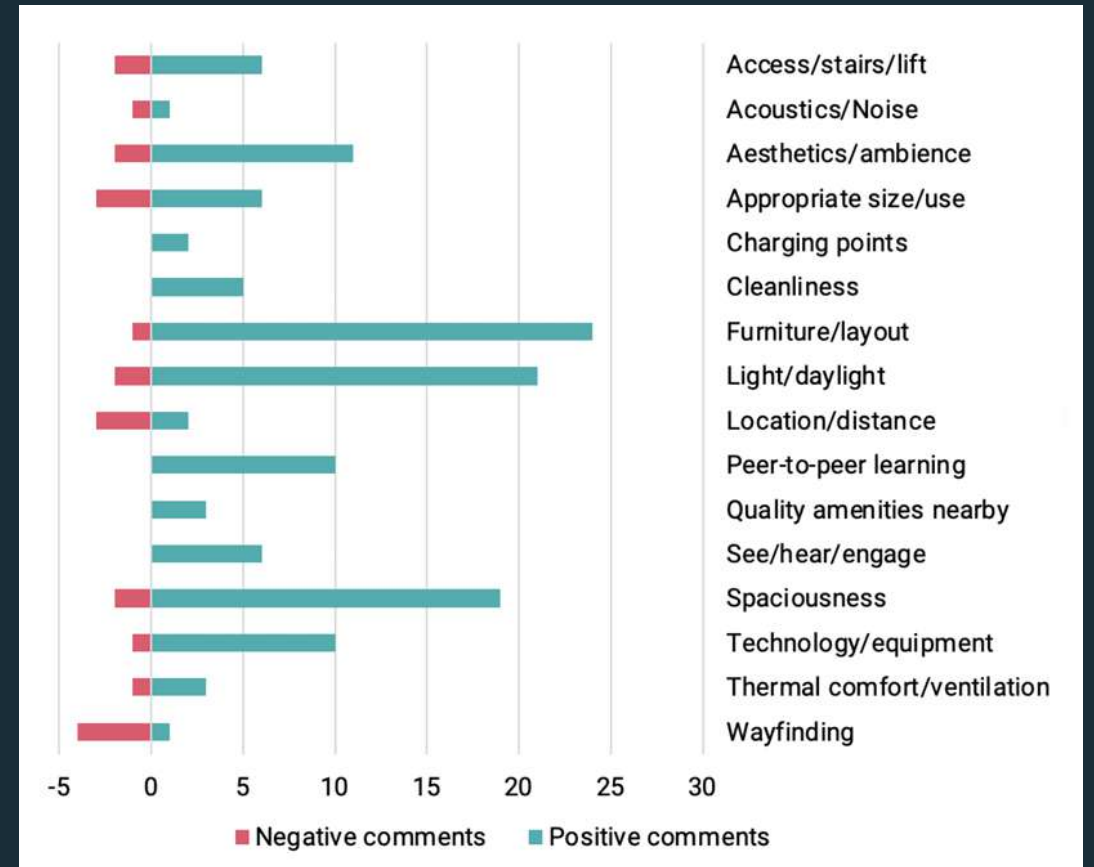
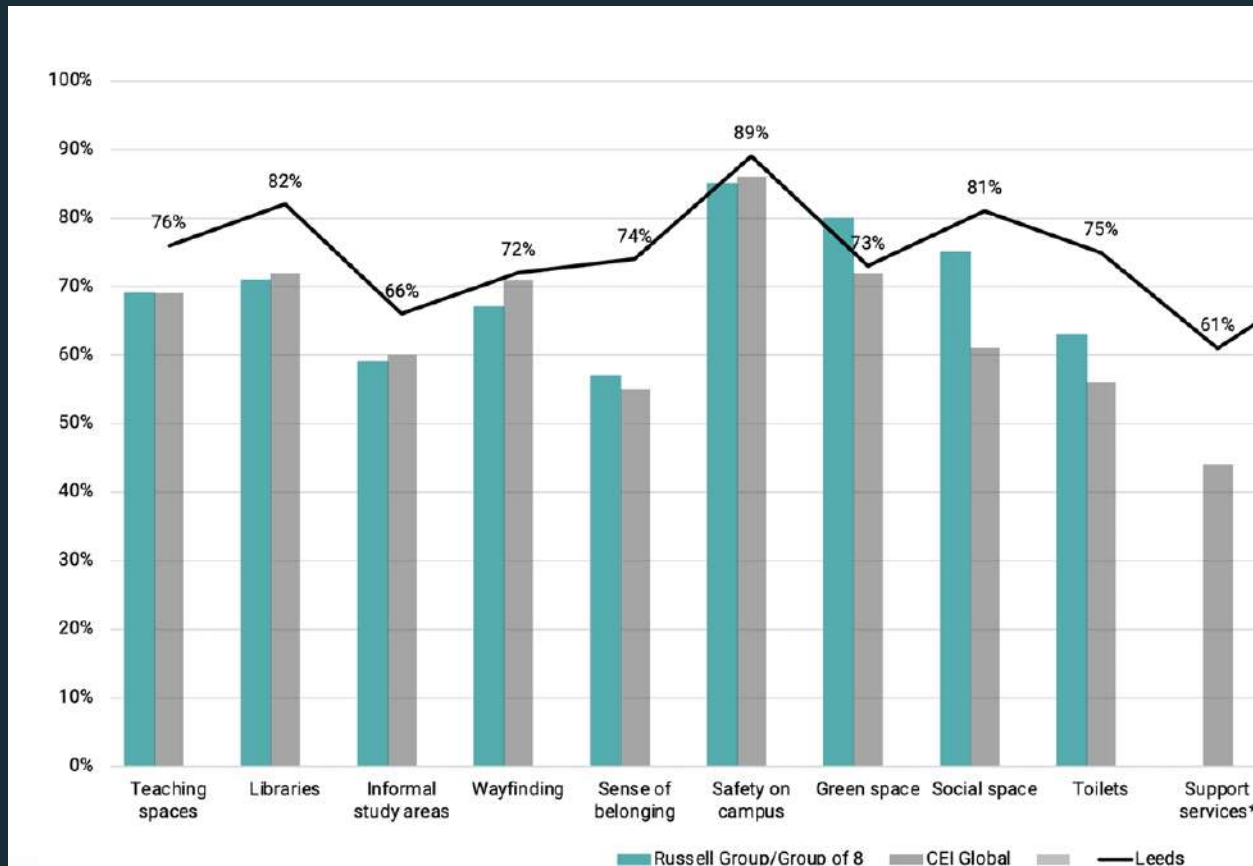




Data analysis



Adding the experience data



Bringing the Left and Right together



Standard Heatmap

Heatmap

All ☒

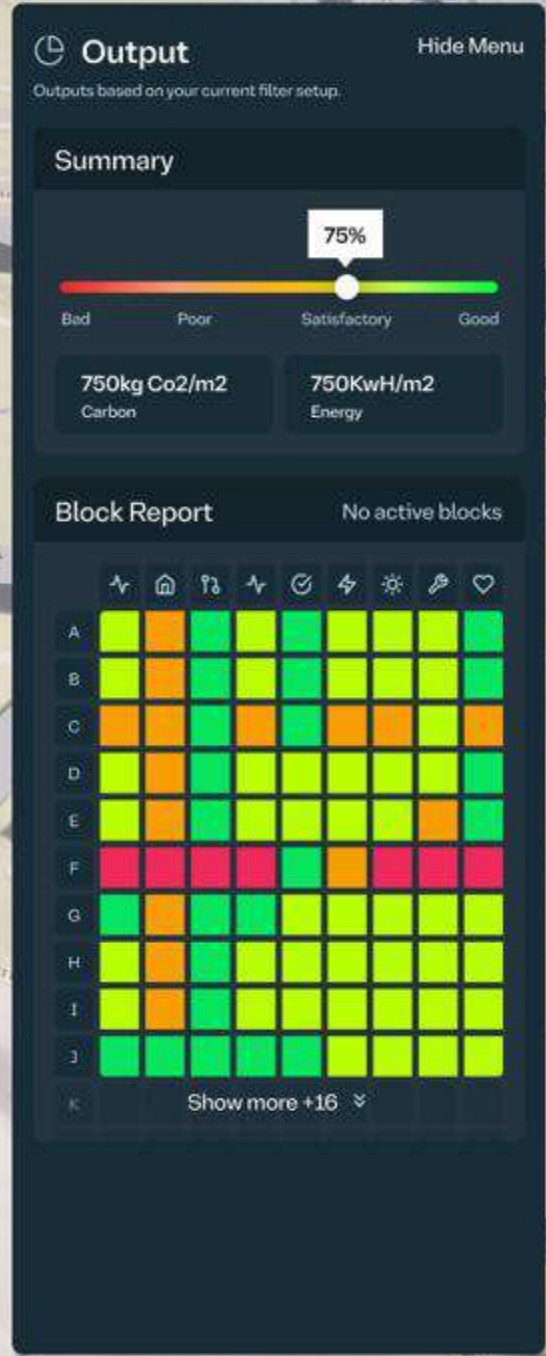
👤 Experience	✓
🏠 Building Sufficiency	✓
🔗 Connectivity	✓
📶 Condition	✓
📍 Suitability	✓
⚡ Energy and Carbon	✓
☀️ External Environment	✓
🔧 Utilisation	✓
❤️ Wellbeing	✓

All ☒

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All ☒

An application designed and developed by
Creative Design, AtkinsRéalis © 2021 - 2024



Hide Menu

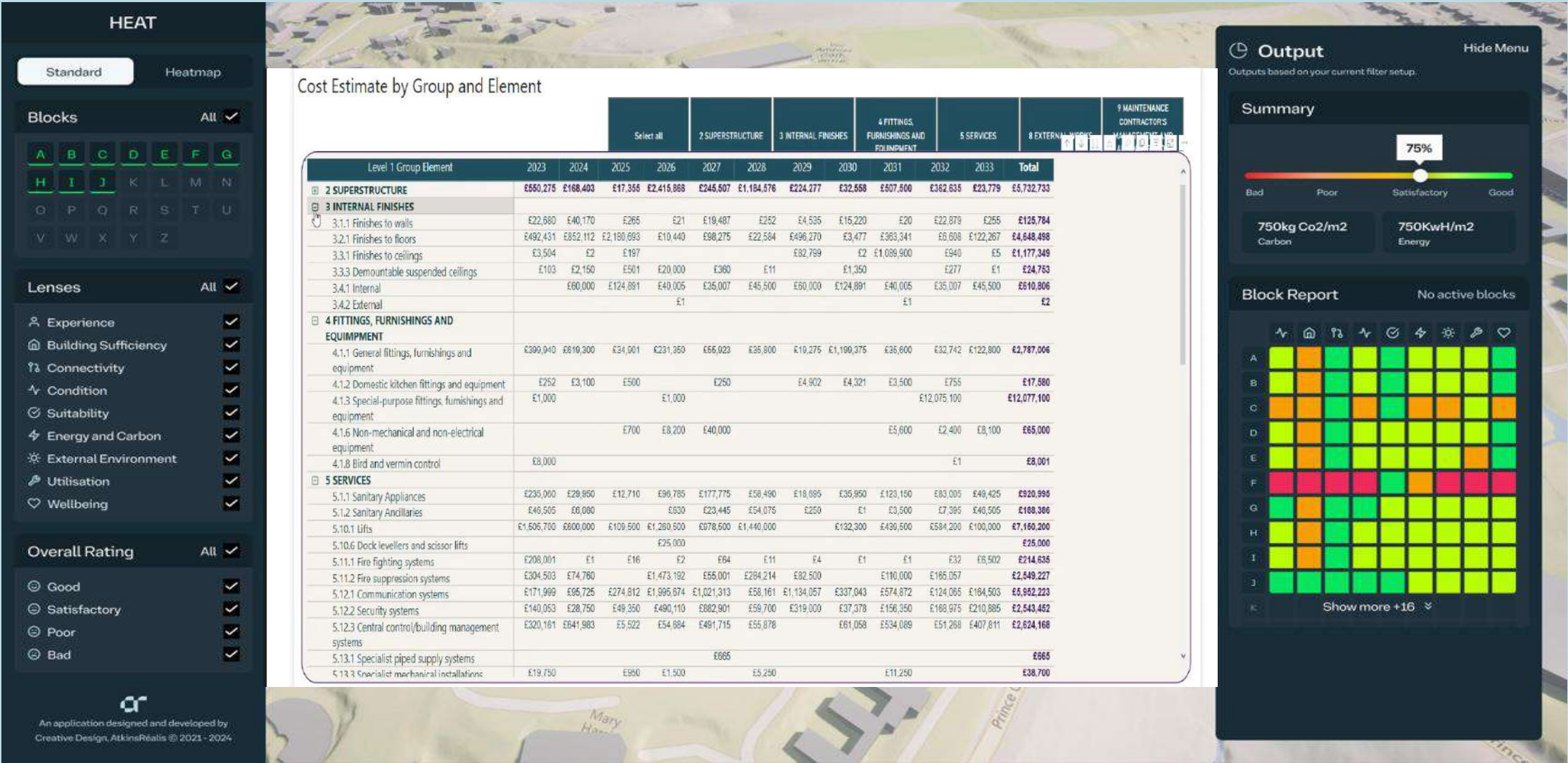
Outputs based on your current filter setup.

75%



No active blocks

Visualisation of 'Life cycle investment' model



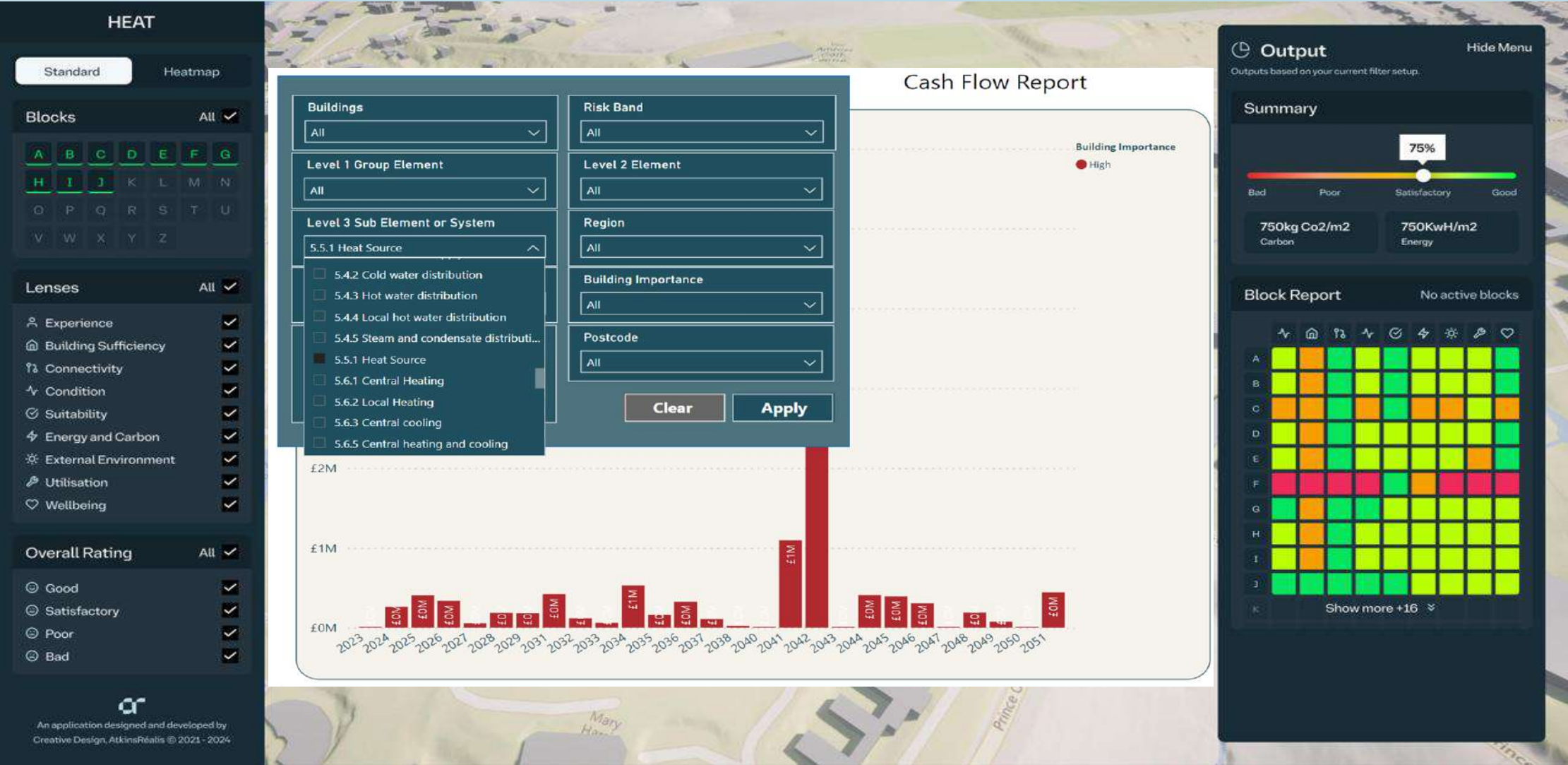
Visualisation of 'Life cycle investment' model



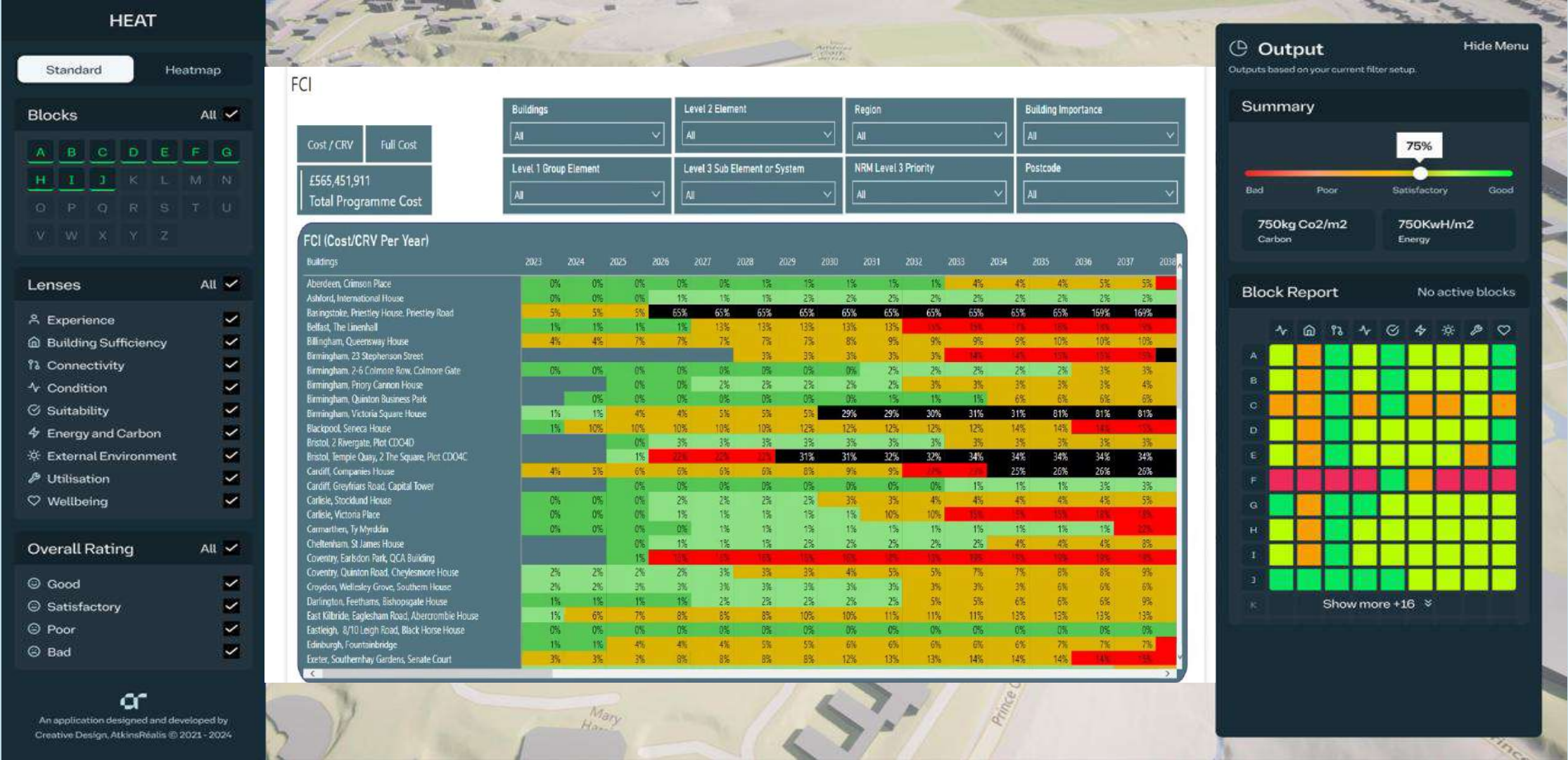
Visualisation of 'Life cycle investment' model



Visualisation of 'Life cycle investment' model



Visualisation of 'Life cycle investment' model



Personas



University Users

Staff, Student and Public users wanting to use available data for specific related engagement with Campus.



University Estates Teams

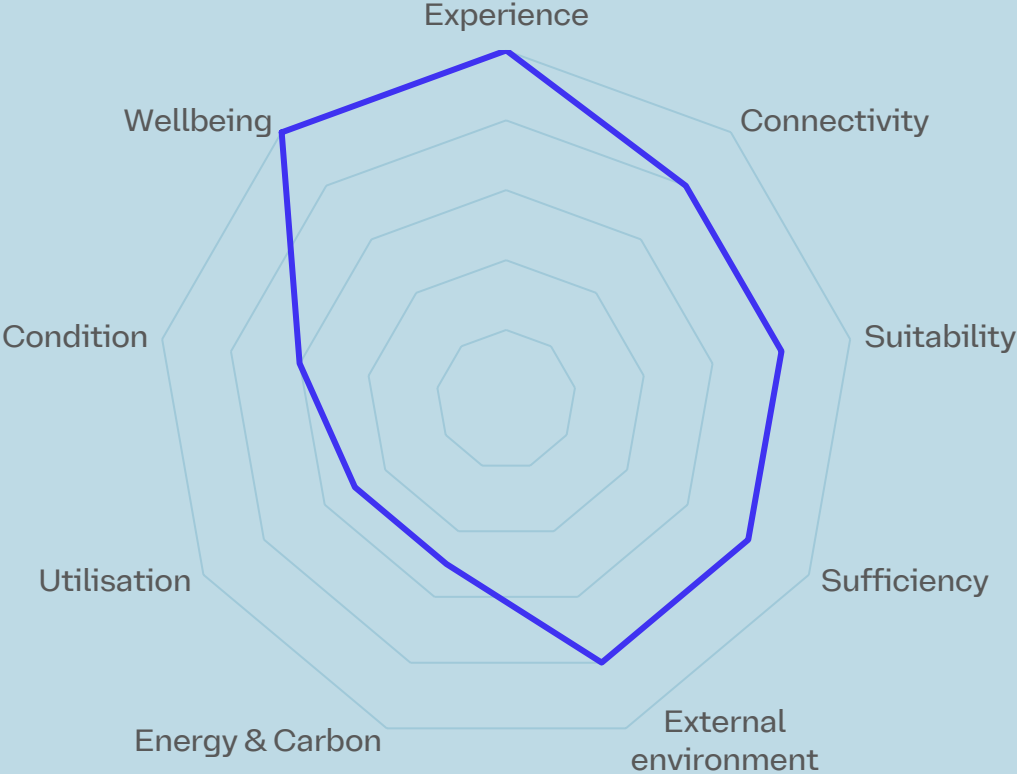
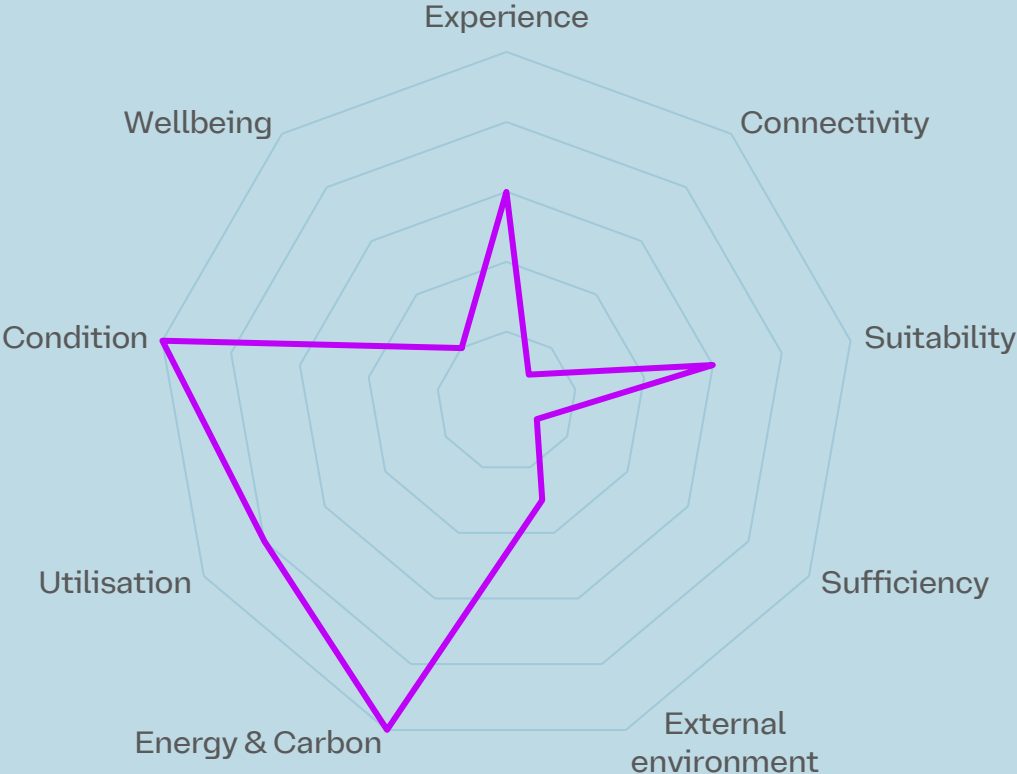
In-depth knowledge and analysis to be able to plan for the successful delivery of strategic plans and day-to-day use.



University SLT

Specialist users who need to understand the University estate from a strategic position.

Curating your data



thank you

