This presentation was live at:

Smart Buildings SHOW

18-19 October 2023 • ExCel London

From data to intelligence: the role of BIM in a successful smart building strategy

nima

nima

nima powering buildingSMART United Kingdom and Ireland

The buildingSMART UK & Ireland chapter has been powered by the UK BIM Alliance since 2015.
This will obviously continue and the project activities of nima and bSUKI
will be much more visible, integrated & accessible to you.

Lucas Cusack Bio

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Design | Construction | Operation | Tech | Tech

Stantec | LAING O'ROURKE | Westfield | willow | glider

Q:Who knows of or has experienced a smart building strategy that has been value engineered, paired back or completely scrapped??

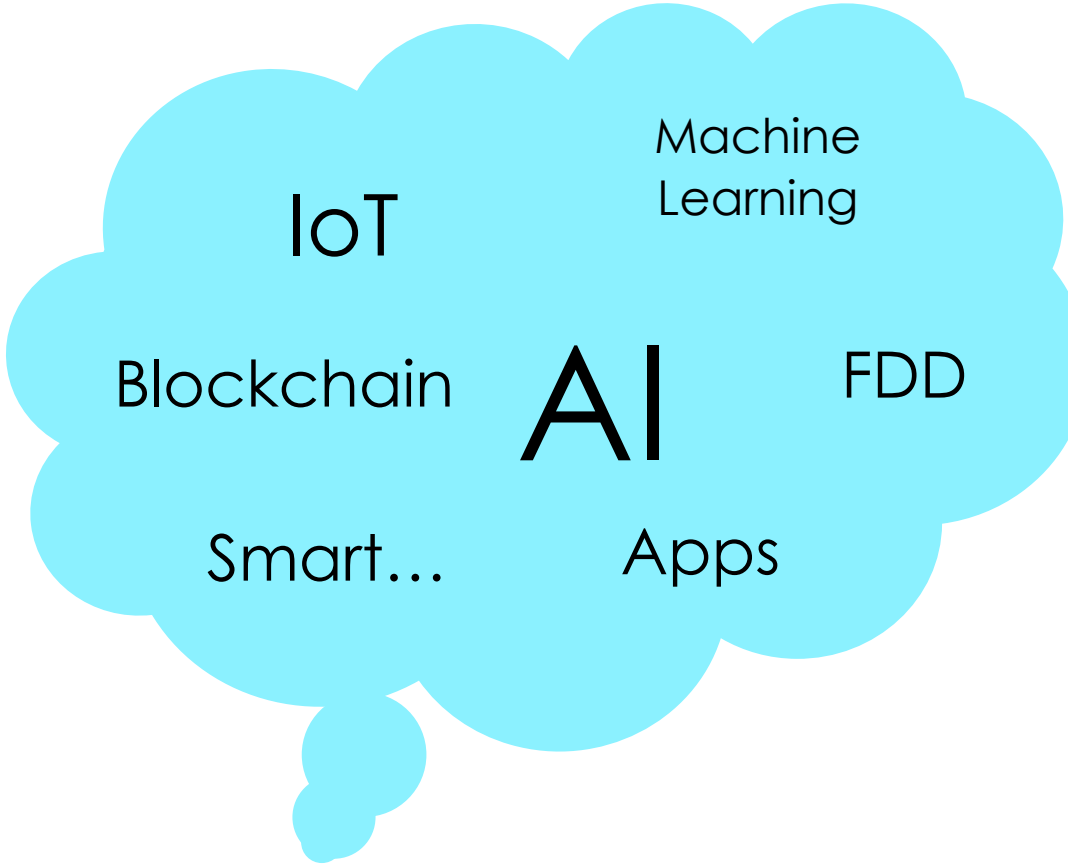
New industry term…

Smart Building Ready!

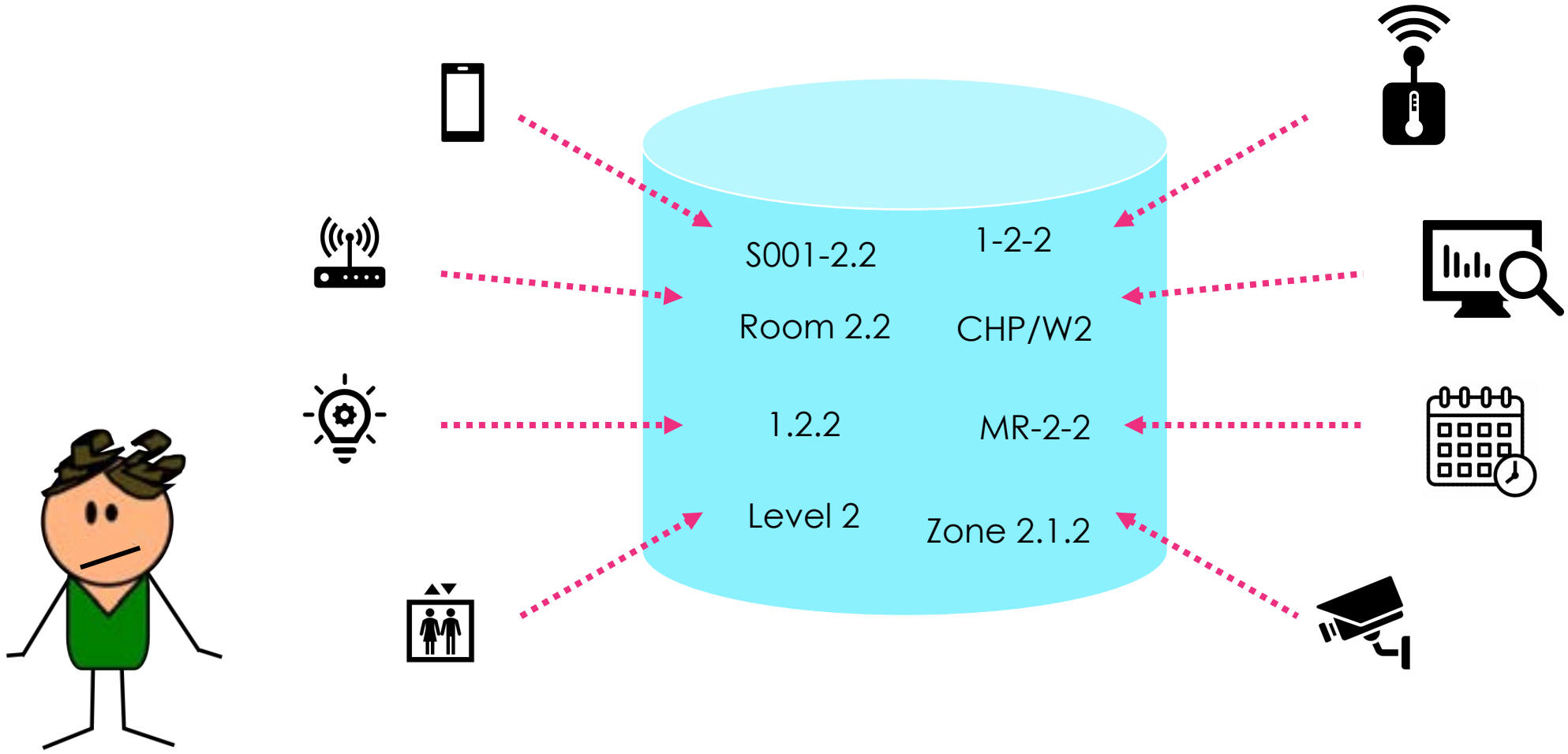
Fact: many if not most smart building strategies fail

Q:How is BIM going to keep my smart building strategy alive??

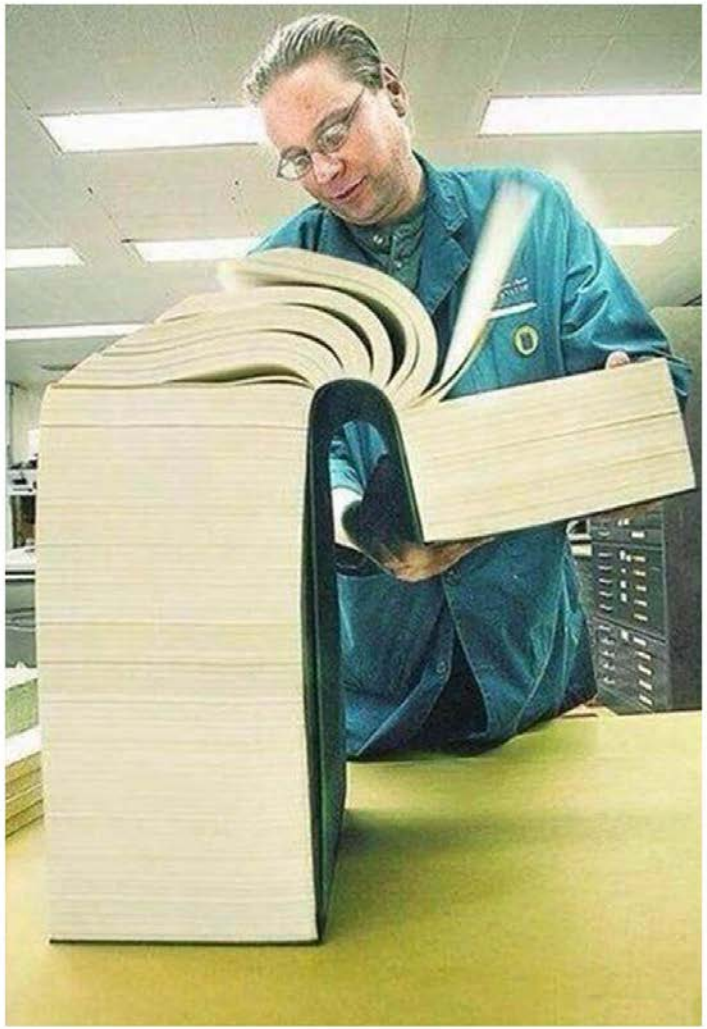
Story time!!

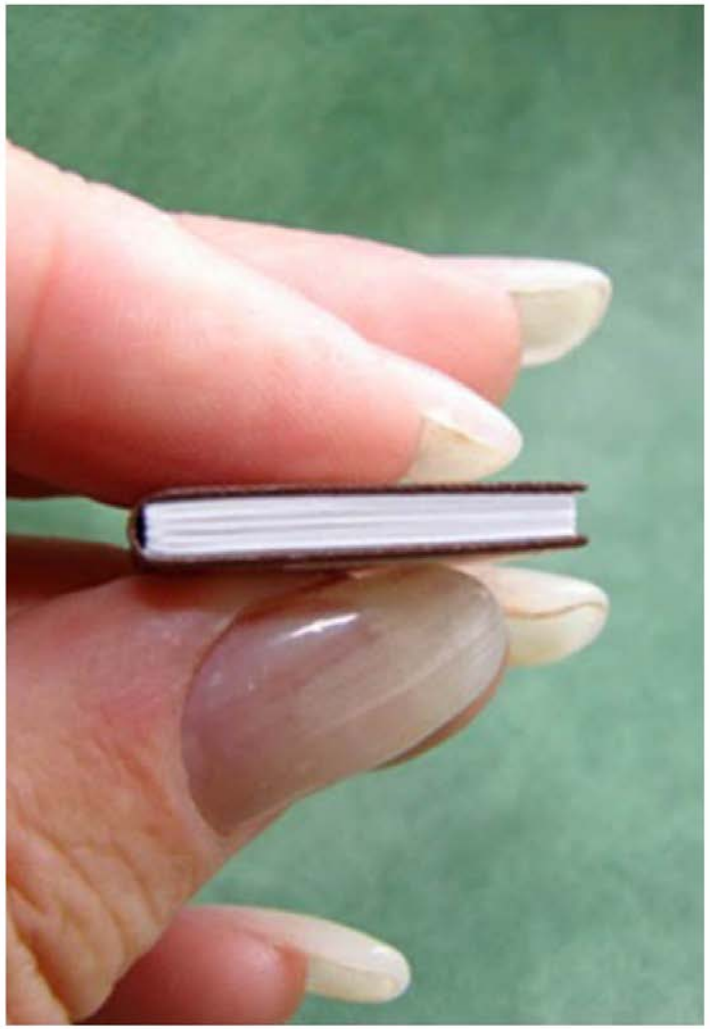


data!



How it started vs How it’s going





The end

what did we learn?

1. Never mind the hype
2. Engage your stakeholders
3. Vet your vendors
4. Get the fundamentals right

…the fundamentals

Q:How is BIM going to keep my smart building strategy alive??

Implementation

Set-up

vs

SaaS

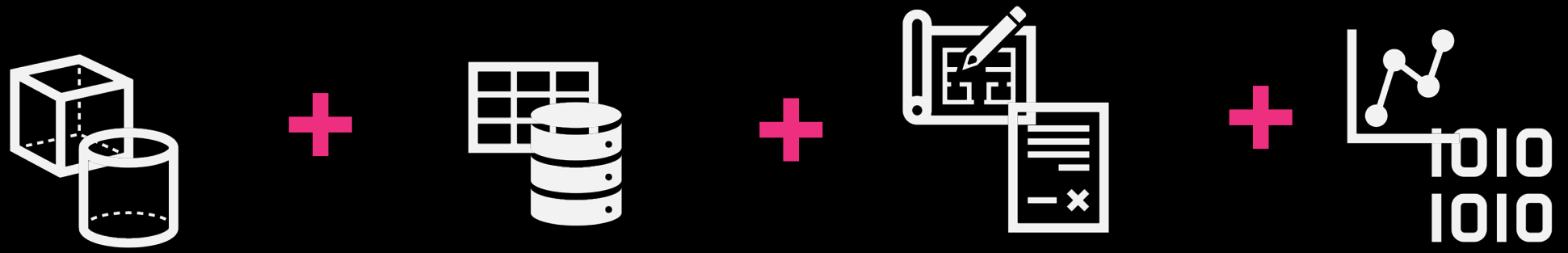
BIM is a process that if followed, results in good, structured information and data

BIM creates:

PIMs (project information models)

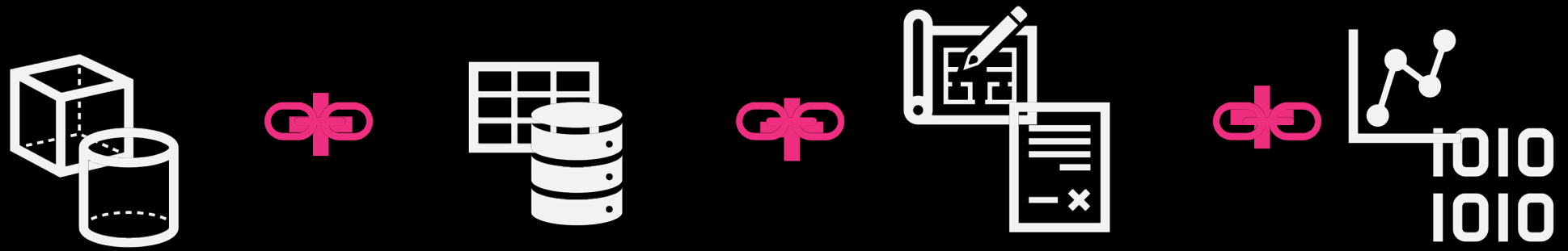
&

AIMs (asset information models)



BIM creates:

Good structured data



What does good look like?

I want..

when → **how**

who provides it

BIM strategy → **Information requirement**

Building ID	Zone ID	Level ID	Equipment ID	Embodied carbon attribute (kgCO2eq/m3)
AB1	Z04	Level_02	AB1-04-02-88-FCU-0001	45.1
AX3	Z00	Level_00	AX3-00-00-SC004	290

How??

BIM ➤ data ➤ intelligence

What do I need intelligence for?

Energy Efficiency Optimisation

Financial Analysis and Forecasting

Tenant Satisfaction

Resilience and Disaster Preparedness

Predictive Maintenance

Waste Reduction

Compliance and Reporting

Safety and Security

Occupancy Insights

Comfort and Wellbeing

Cost Optimisation

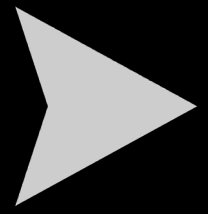
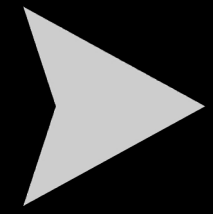
Carbon Footprint Reduction

Benchmarking and Performance Comparison

Space Utilisation

Tenant Experience Enhancement

How??

BIM  data  intelligence

BIM is a process that if followed, results in good, structured information and data

With **trusted** data, great things happen.

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We look forward to seeing you in 2024