



Scan4Safety and asset management: initiatives and a forward view

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#bettercarecostsless

Scan4Safety and asset management initiatives & a forward view

**Asset tracking
journey**

**GS1 – enhanced
Medical Equipment
Management**

**Exploring
propositions**

Dr Didi (Emmanuel) Akinluyi



The Global Language of Business

Asset tracking journey

“People”

“Product”

“Process”

“Place”

“Product” / where we’d like to get to: Aarhus Uni. hospital



Mature system with hospital wide coverage. Realising benefits of RTL data & automation.





Task management

General search/locate function

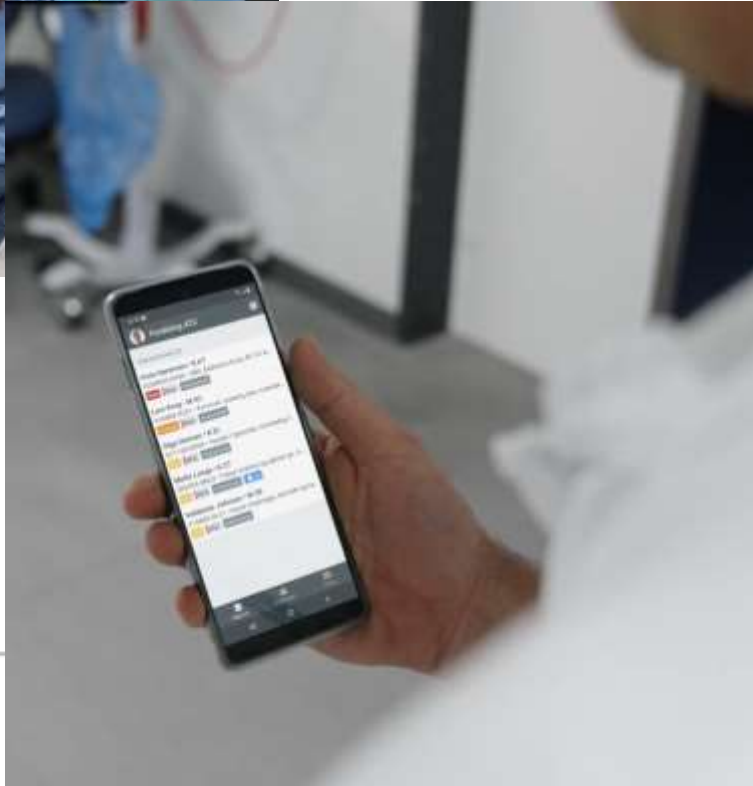
Bed management

Trolley management

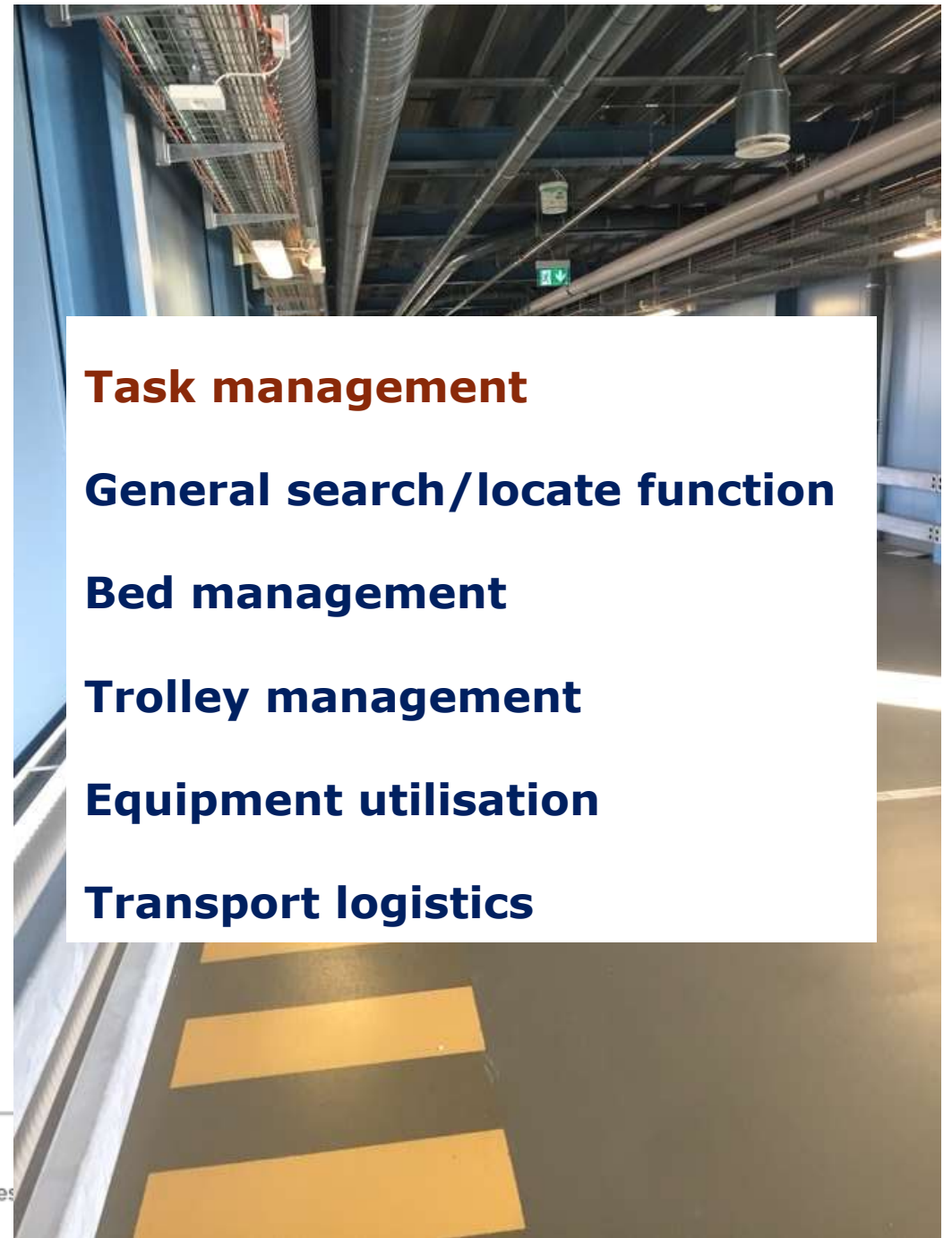
Equipment utilisation

Transport logistics





SYSTEMATIC



Task management

General search/locate function

Bed management

Trolley management

Equipment utilisation

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Asset tracking journey

“People”

“Product”

“Process”

“Place”

“Process” / Approach



Combining **state of the art technology** with a **collaborative, expert, delivery team** and **partnering** to ensure **scalable, economically efficient** and **future proofed** implementation.

Tech Approach

Cutting edge **passive RFID** technology:

- >99% accuracy, 20-30m range, ‘real-time’ location tracking, minimal maintenance.
- Greatest possible scope due to scalability and sustainability.

Partnership Approach

- Working directly with hardware developers, stretching limits of technology capabilities.
- Expert and experienced project delivery partners, with significant experience in both RTL services and healthcare settings.
- Working with GS1 to ensure standard data structures and interoperability

RFID Technology in Practice

Readers



PervasID (8 or 4 port)

Iminj Reader (4 Port)

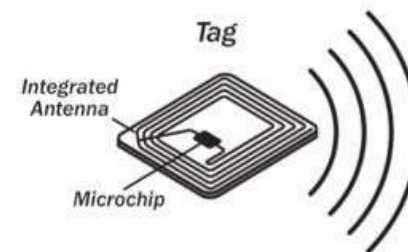
Antennas



Laird Antenna

Quad Antenna

Tags/labels



Mobile Infrastructure

Mobile Device capture cart –



Handheld scanner –





Time waiting for infrastructure...

= time, to optimise



Asset tracking journey

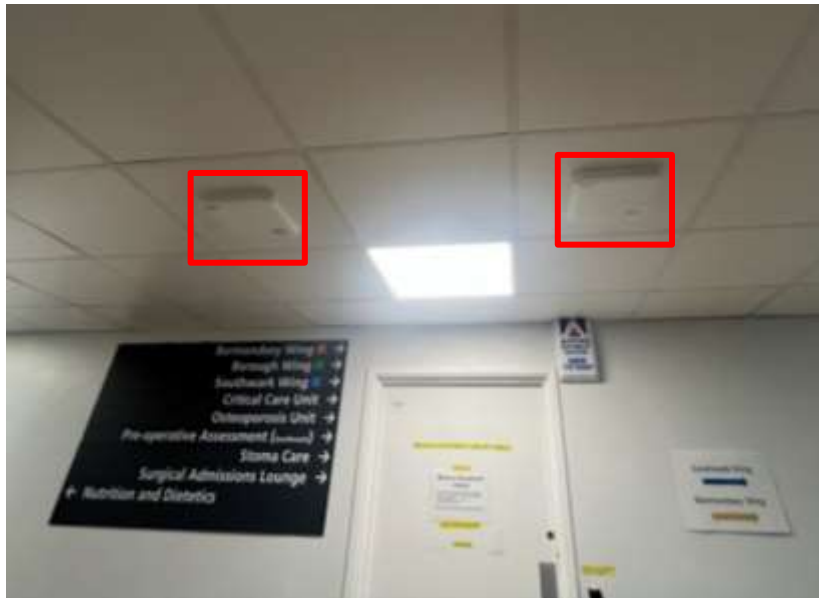
Not as far as we'd like to be!

“People”



Guys MEMS
Reception

“Product”



Guys MEL Corridor

“Process”



Guys store room

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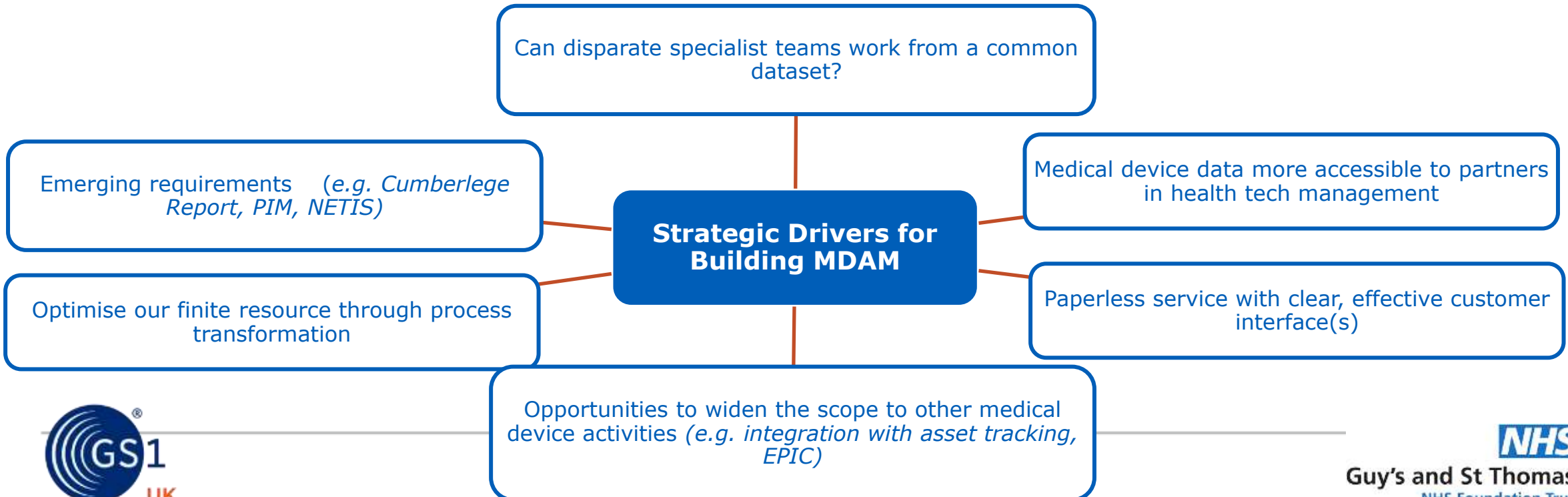
GS1 – enhanced Medical Equipment Management

MDAM – “Medical Device Asset Management”

PowerApps



We’ve built “MDAM” because...modern MedTech needs modern management; it drives risk-management, investments, business processes etc in in a growing organisation



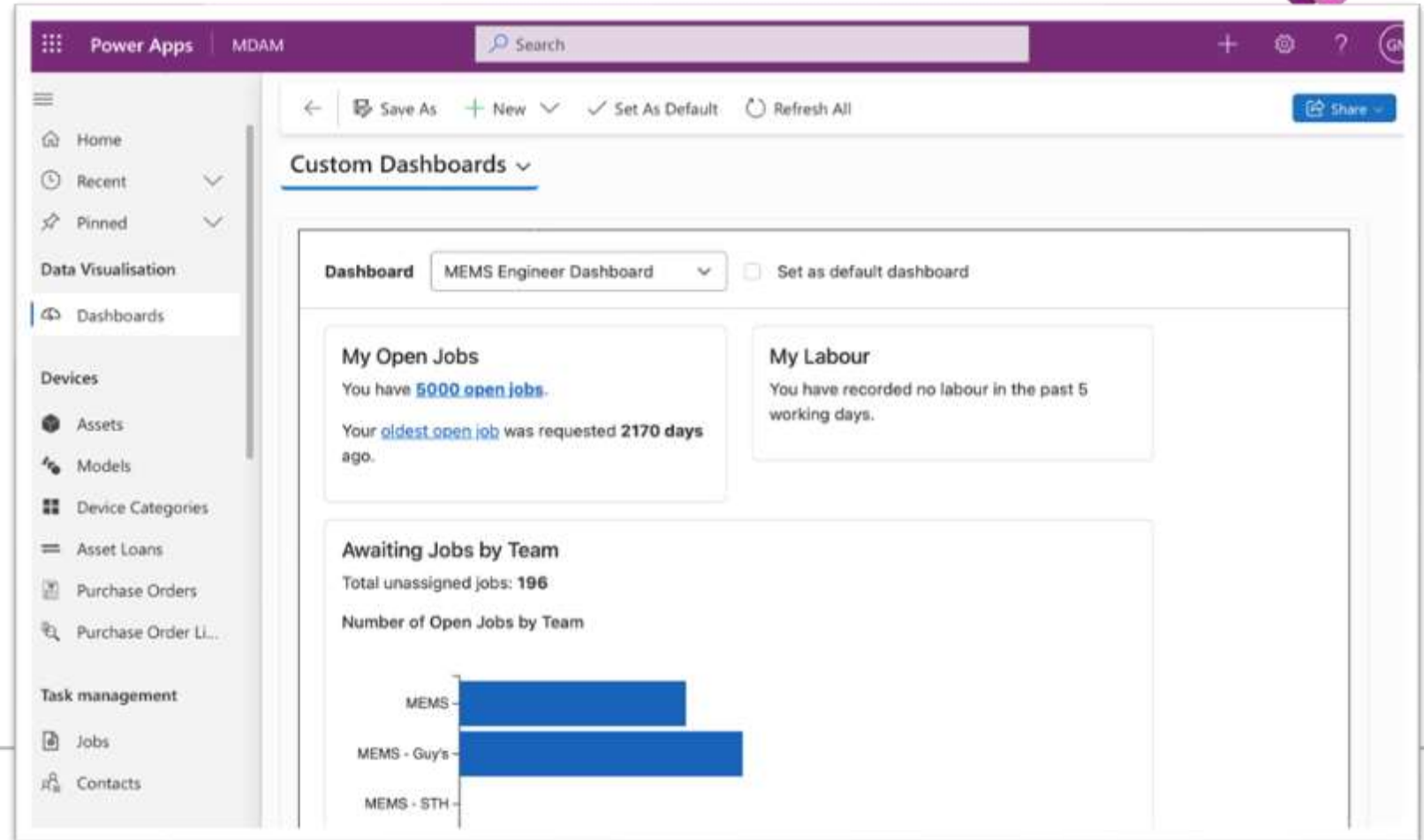
GS1 – enhanced Medical Equipment Management

MDAM – “Medical Device Asset Management”

PowerApps



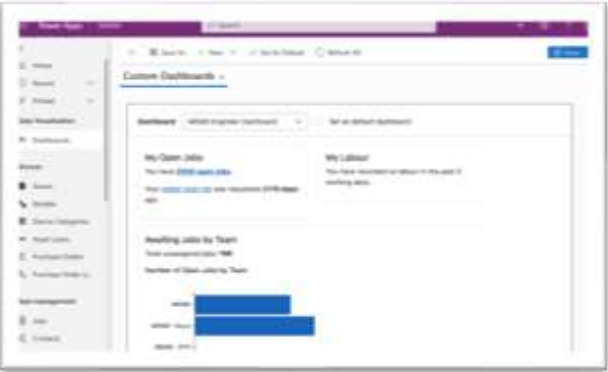
- Built very much with GS1 adoption embedded
- Built to integrate...



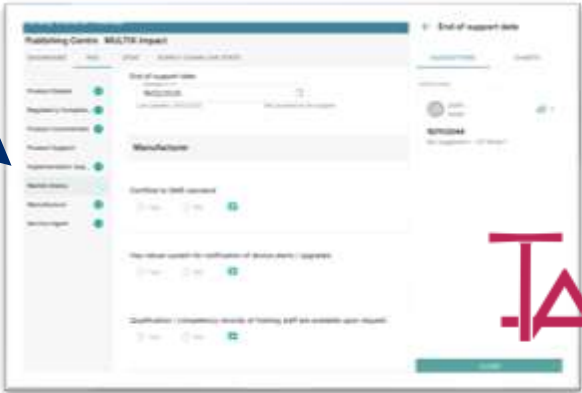
GS1 – enhanced Medical Equipment Management

Built to integrate...

MDAM



GS1
GTIN



TAP

GS1
GTIN?

RFID Tracking

GS1
EPCIS



Tech Adoption Platform - product data interchange



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Exploring propositions

In research...



Exploring propositions

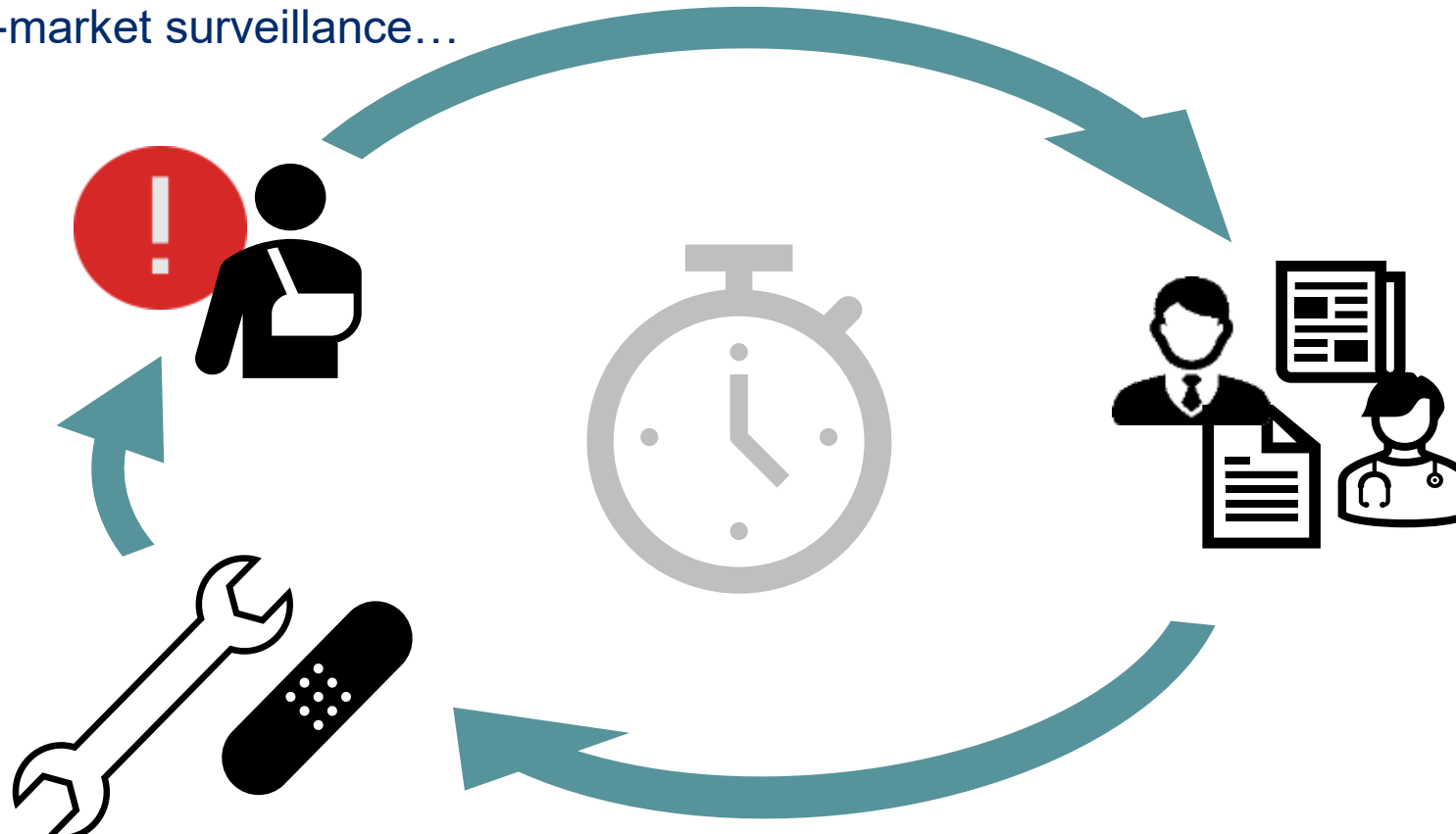
In transforming post-market surveillance...

UK Regulatory Science & Innovation Network
Discovery Phase



Exploring propositions

In transforming post-market surveillance...



MyLondon

NEWS FOOTBALL WHAT'S ON IN YOUR AREA SHOWBIZ LIFESTYLE PARTNER STORIES

London mum 'unable to walk more than 10 minutes' after vaginal mesh sliced into her organs

The controversial treatment is now 'paused' on the NHS but Anna now faces a battle to get the implant removed



First Do No Harm

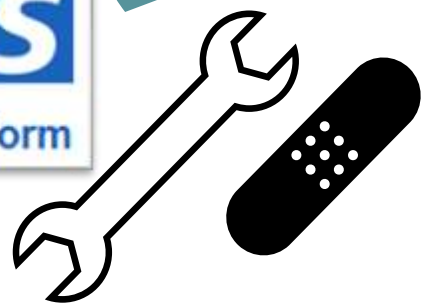
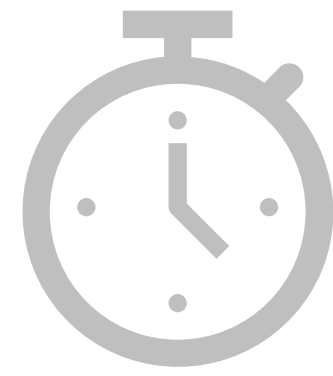
The report of the Independent Medicines and Medical Devices Safety Review



thebmj

Editorials

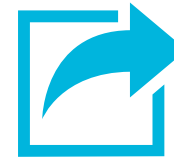
Cumberlege review exposes stubborn and dangerous flaws in healthcare



Patient Safety Commissioner
Listening to Patients

NHS
Outcome Registries Platform

Can we **detect** more issues, sooner, with more key information?



Could we **share** this with partners more readily?



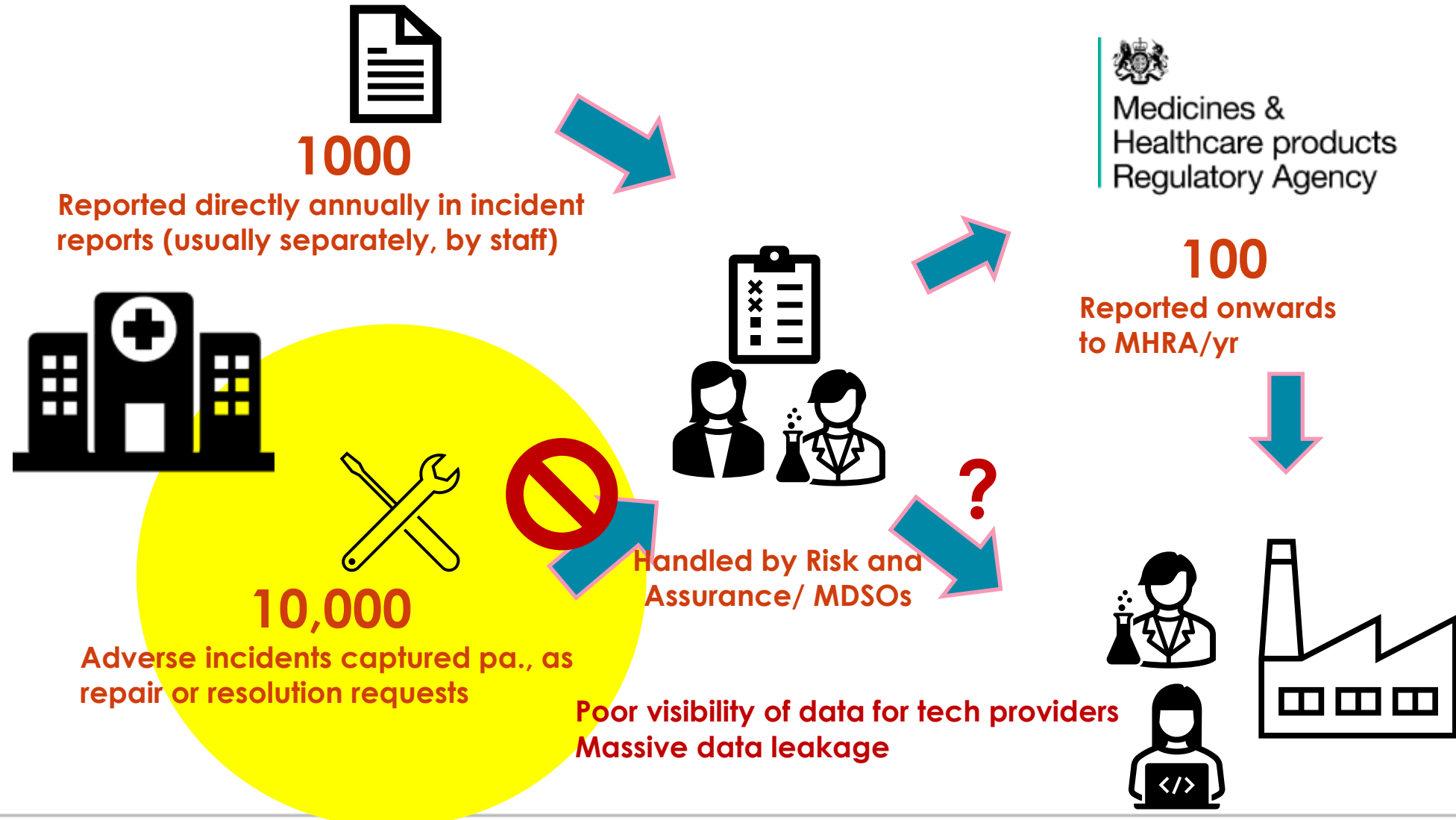
Can we **intervene** more effectively and proactively?

Can we draw on **more voices, and more experiences, to learn?**



Can we **analyse and inform** decision-making more robustly?

Could we help achieve 100x the quantity of adverse events captured & shared?

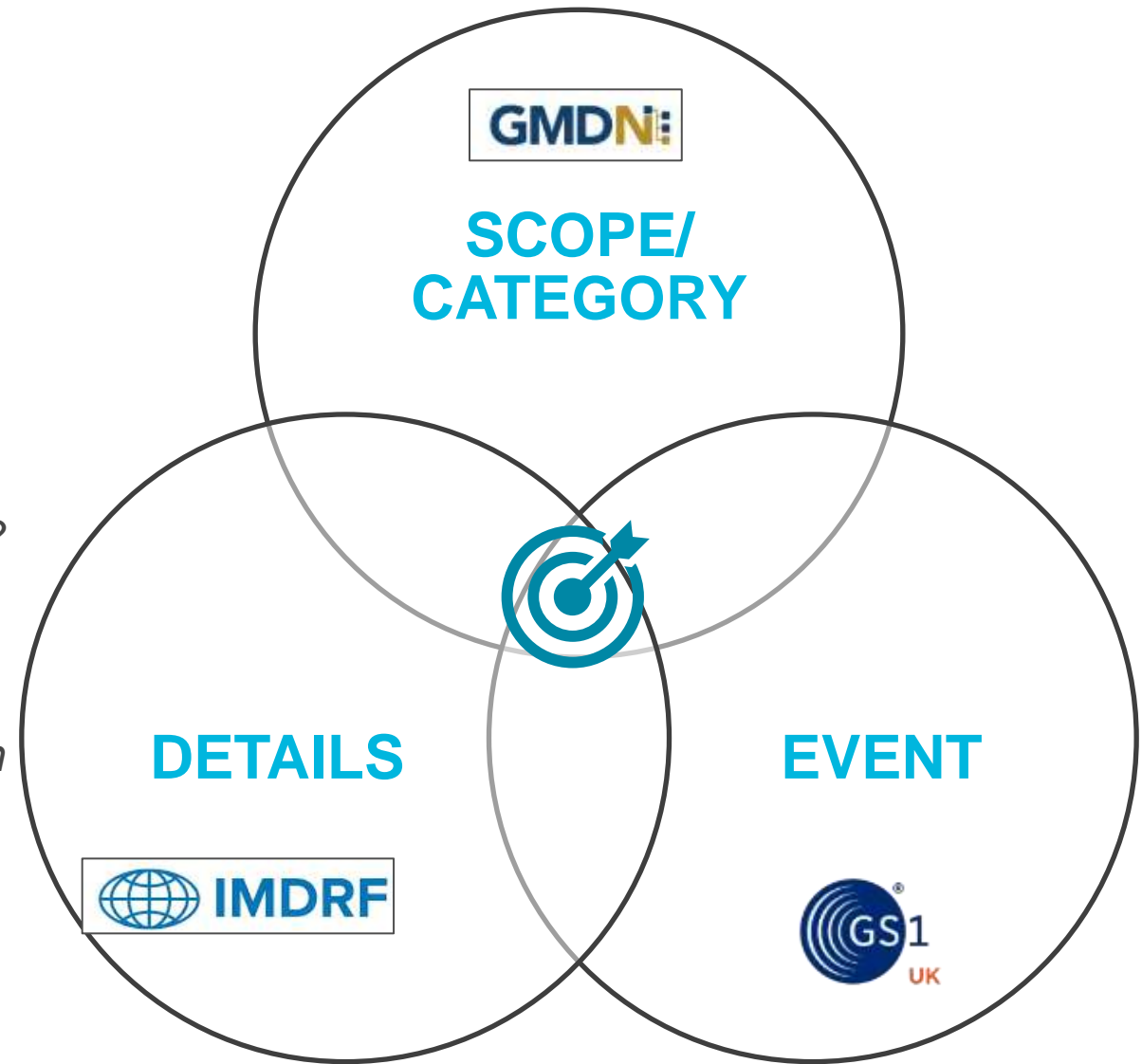


VISION: a hybrid standard?

To describe:

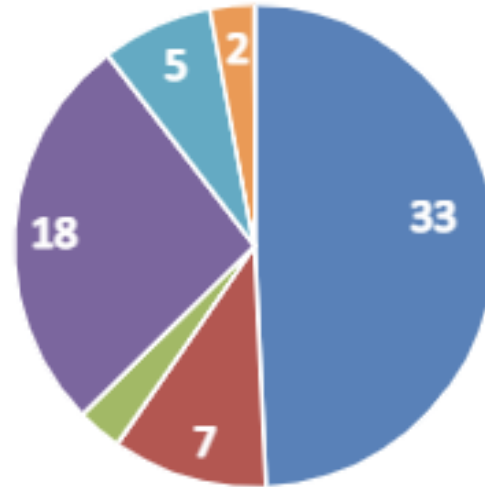
- The **event**: *which item, where, when...*
- The **details**: *what went wrong? which component?*
- The **device category**: *What else does this apply to?*

...in a way that improves the quality, quantity and depth of data, and enables more communication across systems.



Patient group attendees strongly advocated for **enhanced transparency** and **aggregated data** systems. These improvements are seen as **crucial for better patient safety, promoting innovation, and improving overall service quality...**

Attendees recognised the **benefits of standards**, for easier data management and improved visibility across systems.



- Healthcare provider representative
- Manufacturer representative
- NGO representative
- Other
- Patient/member of the public
- Regulator



...Watch this space

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