

DESIGNING IN “SMART FROM THE START”

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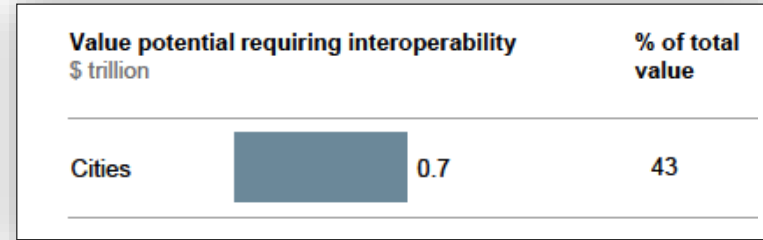
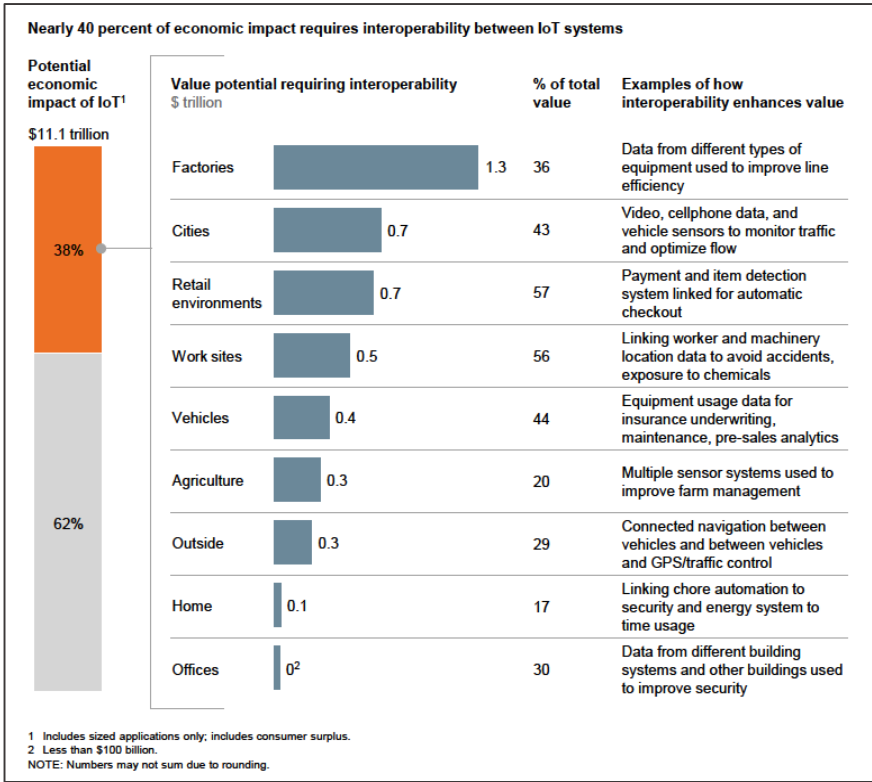


Summary

- Hypercat and Internet of Things (IoT) interoperability
- Collaborative innovation
- Crowdsourcing the smart strategy for OPDC
- Extending the benefits



Interoperability



40%

Share of value enabled by interoperability

Hypercat in the IoT Stack



HYPERCAT

Resource Discovery

Common, machine-readable API

HTTPS, REST, JSON

Annotate existing APIs

A simple foundation

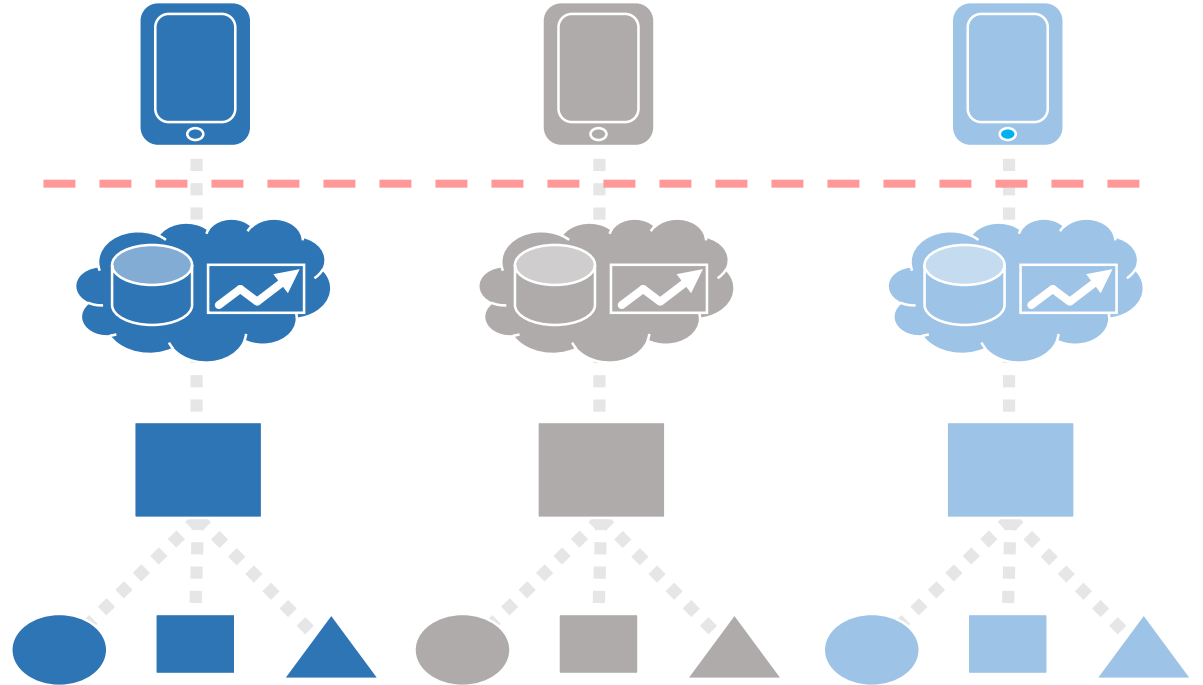
Also

Security

Subscription

Search

Data licenses



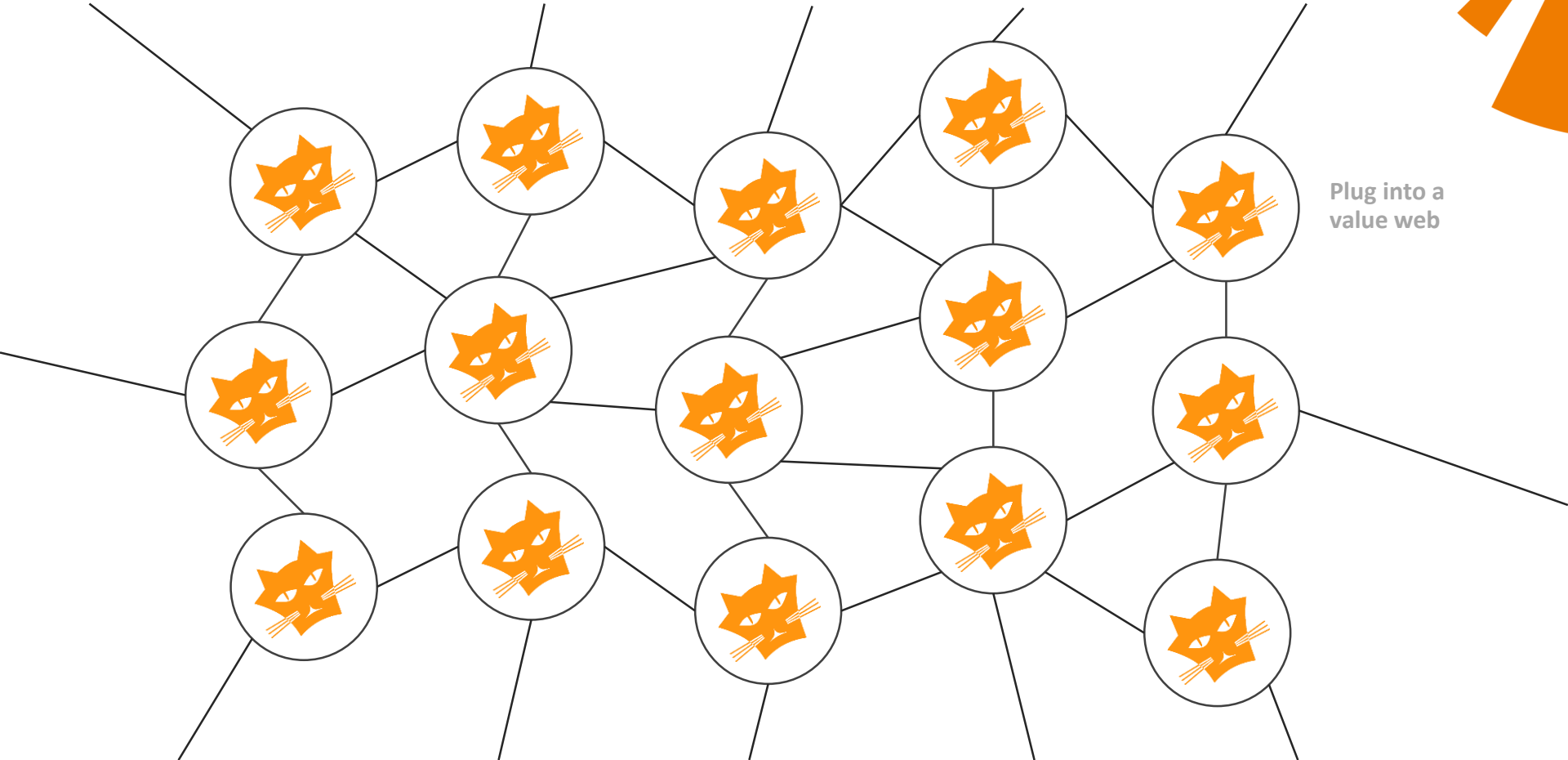
A New Value Chain



Discrete Component
Service
Smart System



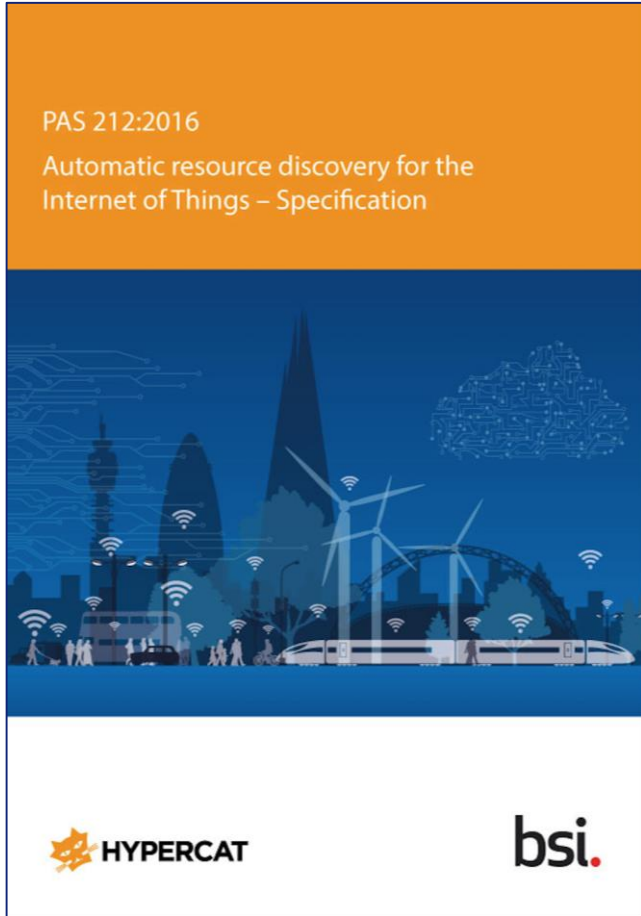
...Actually a Value Web



Plug into a value web



Hypercat specification



- Open standard for automatic data discovery
- Published as the PAS 212 specification – announced yesterday
- Extensive involvement and review by leading tech players
- Key step towards becoming an international standard

COLLABORATIVE INNOVATION



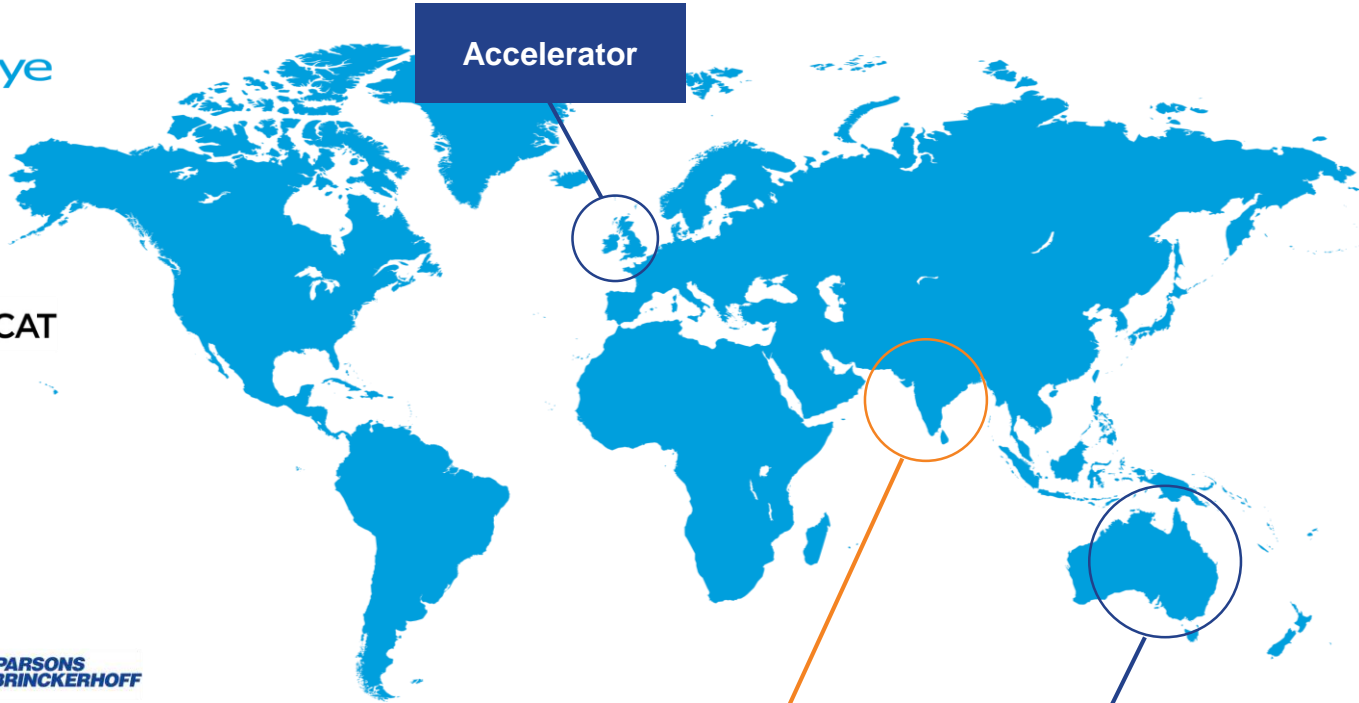
Nearly 1,000 members and growing



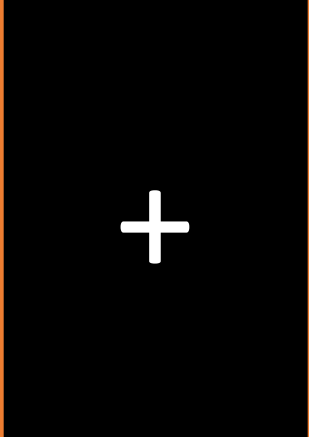
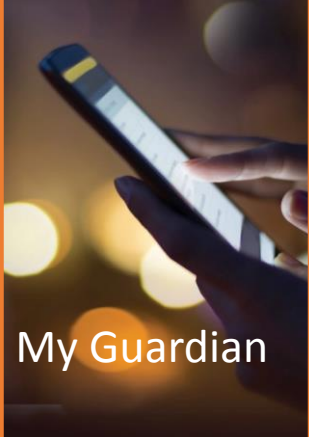
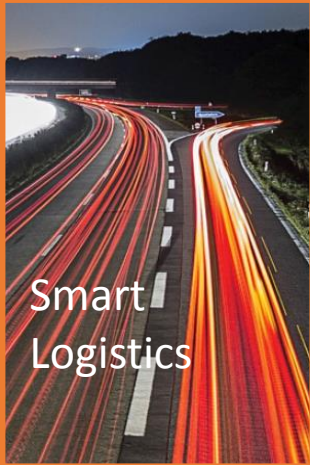
Accelerator

Incubator

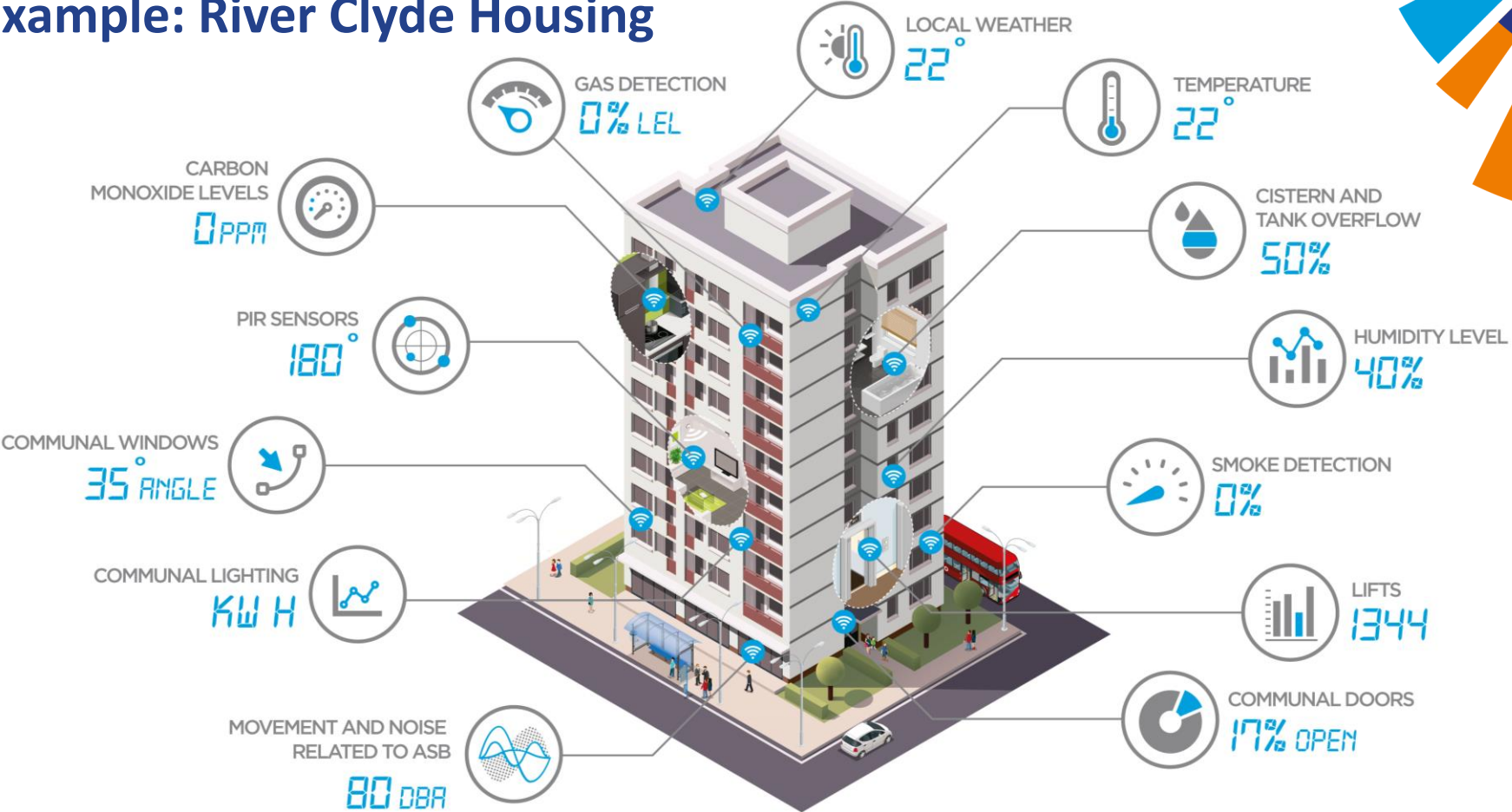
Accelerator



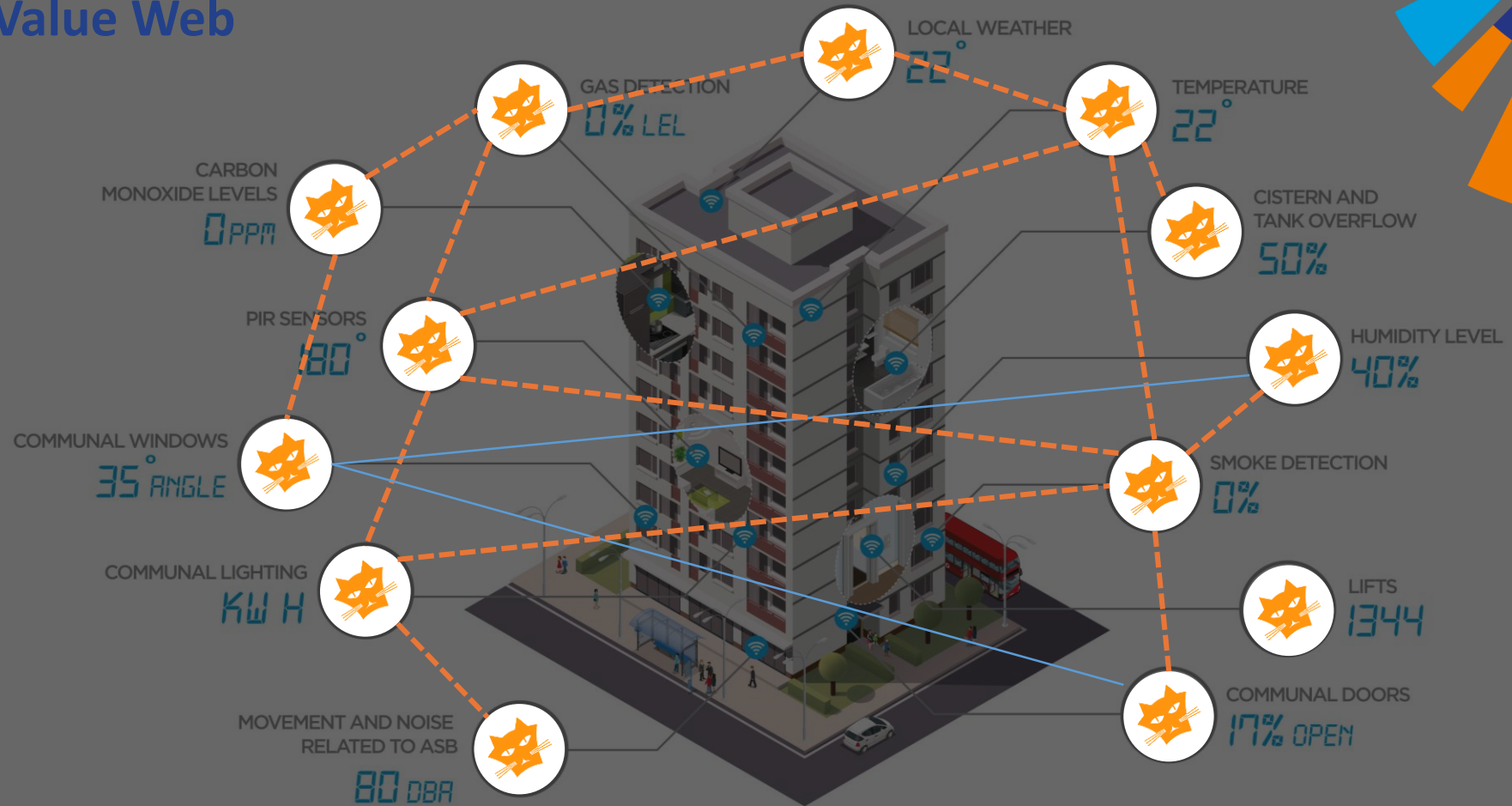
Hypercat Spearheads



Example: River Clyde Housing



Value Web





OPDC
OLD OAK AND
PARK ROYAL
DEVELOPMENT
CORPORATION



OLD OAK & PARK ROYAL



SMART STRATEGY INTERIM REPORT
JANUARY 2016

SMART STRATEGY INTERIM REPORT
JANUARY 2016

65,000 NEW JOBS



25,500 NEW HOMES



RAIL SERVICE FOR 250,000 PASSENGERS PER DAY





TRANSPORT & PUBLIC REALM

- Dynamic street marking
- Smart city technology
- Virtual modeling
- Digital and fixed signage
- Waste management
- Last-mile delivery
- Freight consolidation & sharing
- Free flow (360) station
- Safety & security



UTILITIES INFRASTRUCTURE

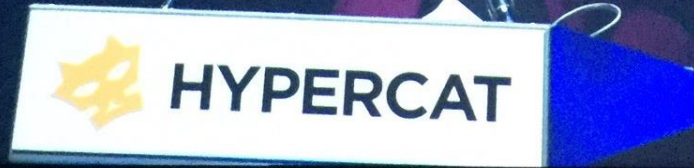
- Digital communication infrastructure
- Innovation
- Energy harvesting
- Detailed asset modeling
- Storing information
- Information management & digital platforms
- Safety & security



SMART SUSTAINABILITY

- Smarter building management
- Local energy production and storage
- Flexible energy demand
- Sustainable construction
- Air quality
- Vehicle movement
- Climate resilience
- Energy strategy targets

#Hypercat16 Summit

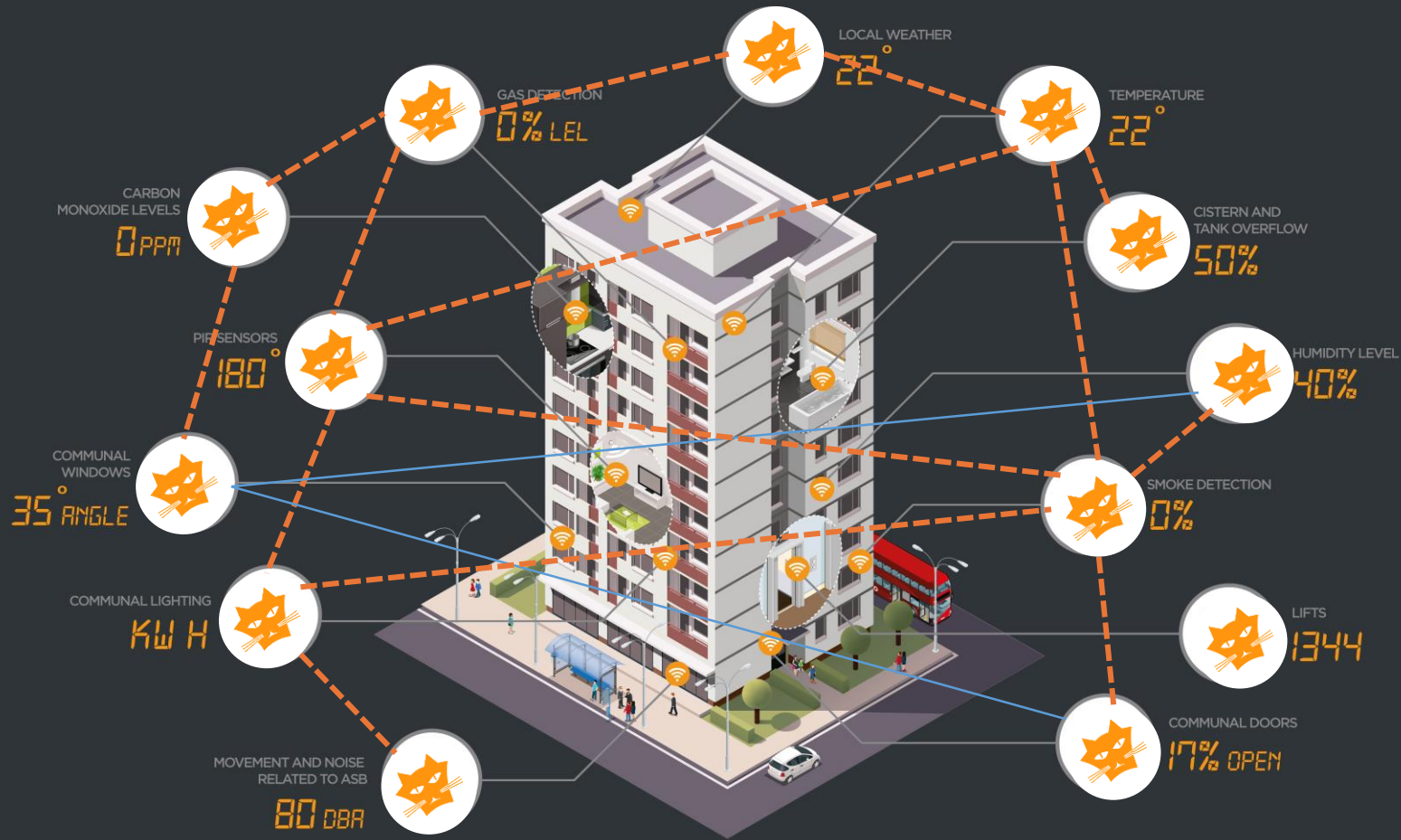


flexeye®

hyperspace ▶▶

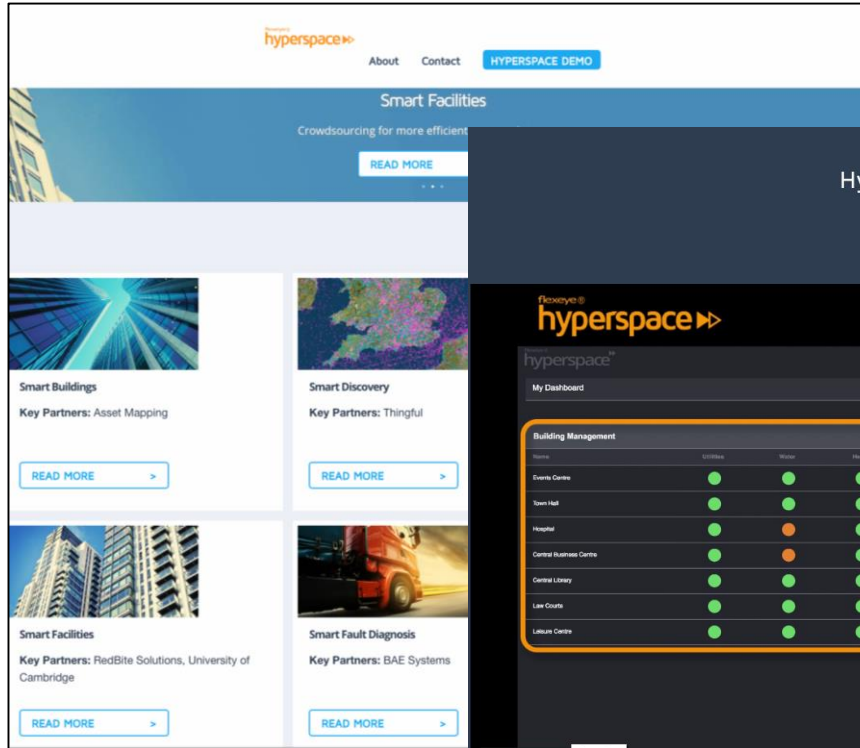








www.hyperspace.center



Hyperspace demo

The screenshot displays the hyperspace dashboard interface. At the top, it shows the location 'London' with weather information: '14 °C', 'Overcast', and the date '17 Jun 2016'. The dashboard is divided into several sections:

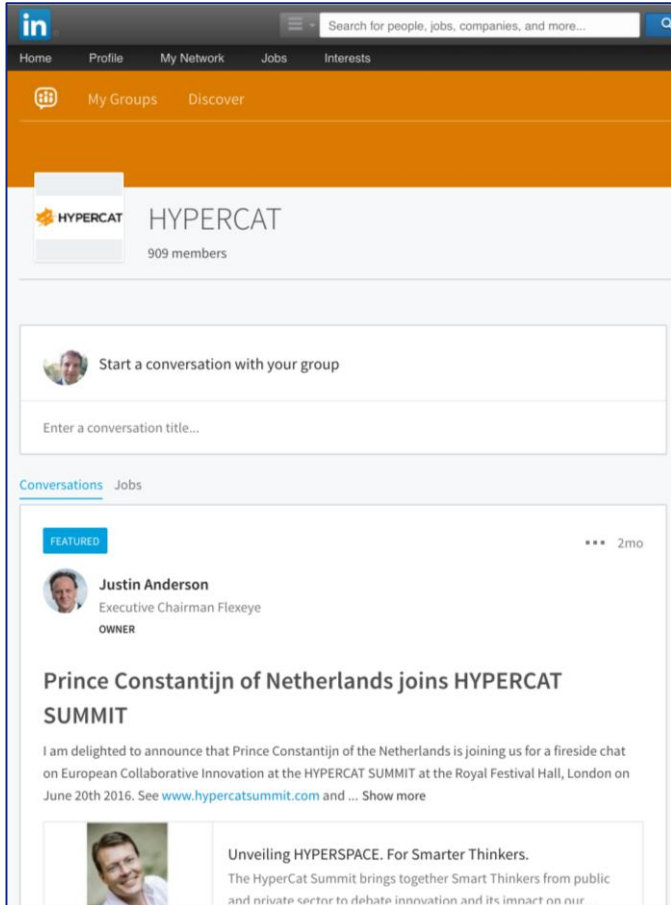
- Building Management**: A table showing the status of various buildings across different categories.
- Car Parks / Mobility**: A section showing 'Total City Usage' with a gauge chart at 44% and a table of car park data.
- Locations**: A map showing various locations with green and red markers.

Building	Online	Warn	Health
Events Centre	Green	Green	Green
Town Hall	Green	Green	Green
Hospital	Green	Orange	Green
Central Business Centre	Green	Orange	Green
Central Library	Green	Green	Green
Law Courts	Green	Green	Green
Leisure Centre	Green	Green	Green

Car Park	in Use	Free	Capacity
Constitution Road	54	46	100
Orchard Lane	88	12	100
St Leonards Road	60	40	100
Libridge Road	85	15	100
Witchester Street	21	79	100

At the bottom of the dashboard, there is a play button icon, a time indicator '05:35', and a 'HD vimeo' logo.

Find out more



The screenshot shows the LinkedIn group page for HYPERCAT. At the top, there is a search bar and navigation links for Home, Profile, My Network, Jobs, and Interests. Below this, there are tabs for My Groups and Discover. The group name "HYPERCAT" is prominently displayed with a profile picture and "909 members". A section titled "Start a conversation with your group" includes a text input field for a conversation title. Below this, there are tabs for Conversations and Jobs. A featured post by Justin Anderson, Executive Chairman of Flexeye and OWNER of the group, is shown. The post title is "Prince Constantijn of Netherlands joins HYPERCAT SUMMIT" and the text reads: "I am delighted to announce that Prince Constantijn of the Netherlands is joining us for a fireside chat on European Collaborative Innovation at the HYPERCAT SUMMIT at the Royal Festival Hall, London on June 20th 2016. See www.hypercatsummit.com and ... Show more". Below the text is a small image of Prince Constantijn and a snippet of another post titled "Unveiling HYPERSPACE. For Smarter Thinkers."



The screenshot shows the HYPERCAT website homepage. The top navigation bar includes the HYPERCAT logo and links for HOME, CONSORTIUM, STANDARD, HYPERSPACE, EVENTS, MEDIA, JOIN US, and CONTACT US. The main banner features the text "DRIVING SECURE AND INTEROPERABLE INTERNET OF THINGS FOR INDUSTRY AND CITIES" over a background illustration of a city at night with wind turbines, a train, and wireless signals. Below the banner, a paragraph states: "Hypercat is a consortium and standard driving secure and interoperable Internet of Things (IoT) for Industry and cities." This is followed by a sub-paragraph: "The Hypercat specification allows Internet of Things (IoT) clients to discover information about IoT assets over the web. With Hypercat developers can write applications that will work across many servers, breaking down the walls between vertical silos. [Join Hypercat.](#)" At the bottom, there are three columns: "Consortium" with a globe icon, "Standard" with a globe icon, and "Incubator" with a globe icon held by two hands.

THANK YOU

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