

YOTTA
FROM DATA TO DECISIONS

Environmental
Services
Software



20th October 2017

Improving service delivery in
cleansing and parks

Steve White
Business Development Manager

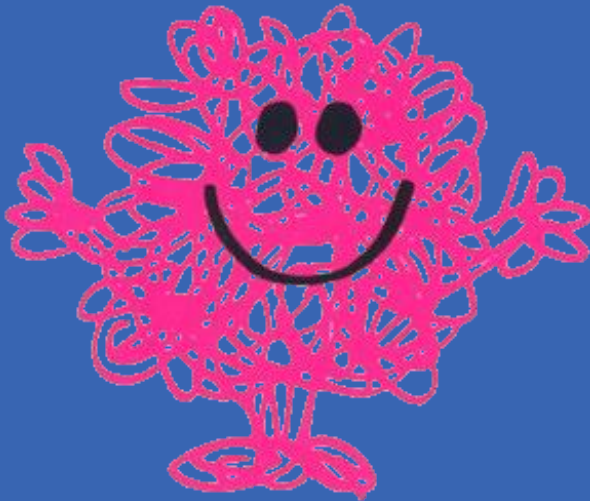
Has anyone seen my data?



Who are you?

MR. MESSY

by Roger Hargreaves



LITTLE MISS TIDY

by Roger Hargreaves



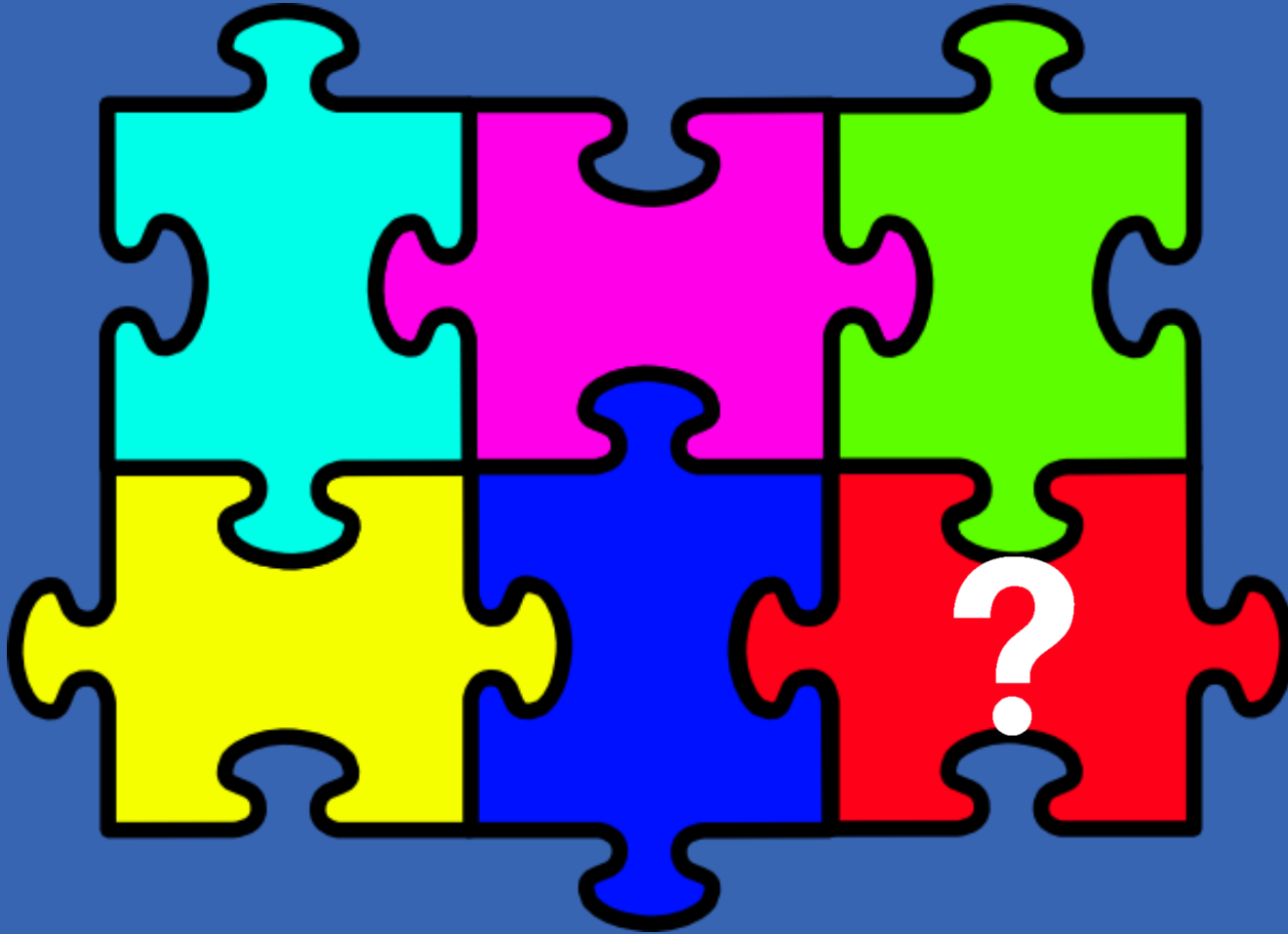
Has anyone seen my data?



The role of technology



The role of technology



Completing the jigsaw

The screenshot displays the Alloy GIS application interface. The central map shows a rural area with a large green polygon labeled 'GM Site' containing a white flag icon. The map includes labels for various locations such as Bourne Farm, Broadysh Farm, Little Bendysh Wood, Radwiner End, Godfrey Farm, Stour Green, and Little Bulls Farmhouse. A blue line representing a river or stream is visible on the left side.

The left sidebar contains several data panels:

- ALLOY**
- Networks**: 9 icons, NSG Designated Streets (Type 1... Sections/Sites) 22,143
- Streetlights**: 128k icon, Units 128,070, Faults 16, Inspections 755
- Jobs**: 190 icon, Open Jobs 190, Closed Today 0
- Defects**: 49 icon, Defects Reported 4, Waiting For Inspection 0
- Inspections**: 2k icon, Open Inspections 1,729, Types 26, Completed Today 0

The bottom left corner shows a user profile for 'SW Steve White'.

The right sidebar shows the details for the selected 'GM Site' (ID: 36936221):

- Last activity: 13 hours ago
- Site Name: Great Bendysh Wood
- Colour: #9DD35F
- Edit button

The browser address bar shows the URL: <https://alloy.yotta.co.uk/#/?@=38977x6806130y15z&lf=10!220.36936221!219!222!223>



Completing the jigsaw

The screenshot displays the ALLOY web application interface. The browser address bar shows the URL: <https://alloy.yotta.co.uk/#/designer?@=28992x6804223y18z&lf=10&d=1000517>. The page title is "ALLOY".

The main content area shows a design titled "GM Site" with a flag icon. Below the design title, there are two sections of attributes:

- Custom attributes:** A section containing three circular buttons labeled "02 LINK", "03 LINK", and "05 ABC".
- Standard attributes:** A section containing two circular buttons labeled "01 LINK" and "04 LINK".

The right sidebar displays the "Attributes" section for the "GM Site" (ID: 1000517). It lists five attributes:

- 01 Allowed Work Items for the A... (Item Lookup)
- 02 Contract (Item Lookup)
- 03 Expenditure Code (Item Lookup)
- 04 Job (Item Lookup)
- 05 Site Name (Text)

At the bottom of the sidebar, there is an "Add Attribute" button. The bottom left corner of the page shows the user's initials "SW" and name "Steve White".



Completing the jigsaw

The screenshot displays the ALLOY GIS interface. On the left, a sidebar provides a summary of data:

- Networks:** 9 items, 1 Elmdon Park Sections/Sites.
- Streetlights:** 128k units, 16 faults, 755 inspections.
- Jobs:** 190 open jobs, 0 closed today.
- Defects:** 49 reported, 4 waiting for inspection.
- Inspections:** 2k open inspections, 26 types, 0 completed today.

The main map area shows a residential area with a blue highlighted path. A 'Shelter' is labeled on the map. A '2' is visible near a tree icon. The right sidebar lists various layers:

- Maldon U Road SE I...
- Blocked Gullies 2017
- Gully Cleanse - Mald...
- (Oct-17) Reactive Gul...
- (Sept-17) Reactive G...
- All Reactive Gully Cle...
- Trees (checked)
- Open Spaces (checked)
- Car Park
- Litter Bins

An 'Add Layer' button is located at the bottom of the right sidebar. The browser address bar shows the URL: <https://alloy.yotta.co.uk/#/?@=28829x6804284y19z&lf=10!220!219>



Completing the jigsaw

The screenshot displays the Alloy GIS application interface. The main map area shows a geographical area with a blue river, green fields, and buildings. A large green polygon is overlaid on the map, containing several tree icons. Labels on the map include 'Depot', 'Willow Hedges', 'Ruin', and 'Turnip Hall Farm'. A track is also visible on the right side of the map.

The left sidebar contains the following data:

- ALLOY**
- Networks**: 9 (with a network icon)
- Ricoh Arena Sections/Sites**: 5
- Streetlights**: 128k (with a streetlight icon)
- Units**: 128,070
- Faults**: 16
- Inspections**: 755
- Jobs**: 190 (with a wrench icon)
- Open Jobs**: 190
- Closed Today**: 0
- Defects**: 49 (with an exclamation mark icon)
- Defects**: 49
- Reported**: 4
- Waiting For Inspection**: 0
- Inspections**: 2k (with a checklist icon)
- Open Inspections**: 1,729
- Types**: 26
- Completed Today**: 0

At the bottom left of the sidebar, there is a user profile for **SW Steve White**.



Completing the jigsaw

The screenshot displays the Alloy GIS application interface. On the left, a sidebar provides a summary of various data categories:

- Networks:** 9 items, 1 Section/Sites
- Streetlights:** 128k items, 128,070 Units, 16 Faults, 755 Inspections
- Jobs:** 190 items, 190 Open Jobs, 0 Closed Today
- Defects:** 49 items, 49 Defects, 4 Reported, 0 Waiting For Inspection
- Inspections:** 2k items, 1,729 Open Inspections, 26 Types, 0 Completed Today

The main map area shows a street layout with several yellow circular icons representing litter bins. One bin is highlighted with a larger yellow circle and a tooltip that reads "Litter Bin" with a small icon. A blue line representing a water feature or canal runs across the top of the map. A distance of "69.2m" is indicated on the map.

On the right side, a detailed view of the selected "Litter Bin" is shown. It includes the following information:

- Last activity: 10 hours ago
- Item ID: 36936285
- Category: General
- Colour: #feeb4d
- Action: Edit

The bottom left corner of the interface shows the user's initials "SW" and the name "Steve White". The Alloy logo is visible in the bottom right corner.

Completing the jigsaw

The screenshot displays the ALLOY web application interface. The main area shows a map with a highlighted pink area labeled 'Car Park' and a large white 'A' icon. The map includes labels for 'El Sub Sta' and distances like '67.5m', '69.2m', and '70.4m'. A sidebar on the left contains the following data:

- Networks:** 9
- Enlight Office Sections/Sites:** 1
- Streetlights:** 128k
 - Units: 128,070
 - Faults: 16
 - Inspections: 755
- Jobs:** 190
 - Open Jobs: 190
 - Closed Today: 0
- Defects:** 49
 - Defects Reported: 49
 - Defects Reported: 4
 - Waiting For Inspection: 0
- Inspections:** 2k
 - Open Inspections: 1,729
 - Types: 26
 - Completed Today: 0

The bottom left corner shows the user 'SW Steve White'. The right sidebar shows details for the 'Car Park' asset, including 'Last activity: 10 hours ago', 'Owner: NCP North', and 'Colour: #DA5AA7'. An 'Edit' button is visible at the bottom of the sidebar.



Visualisation

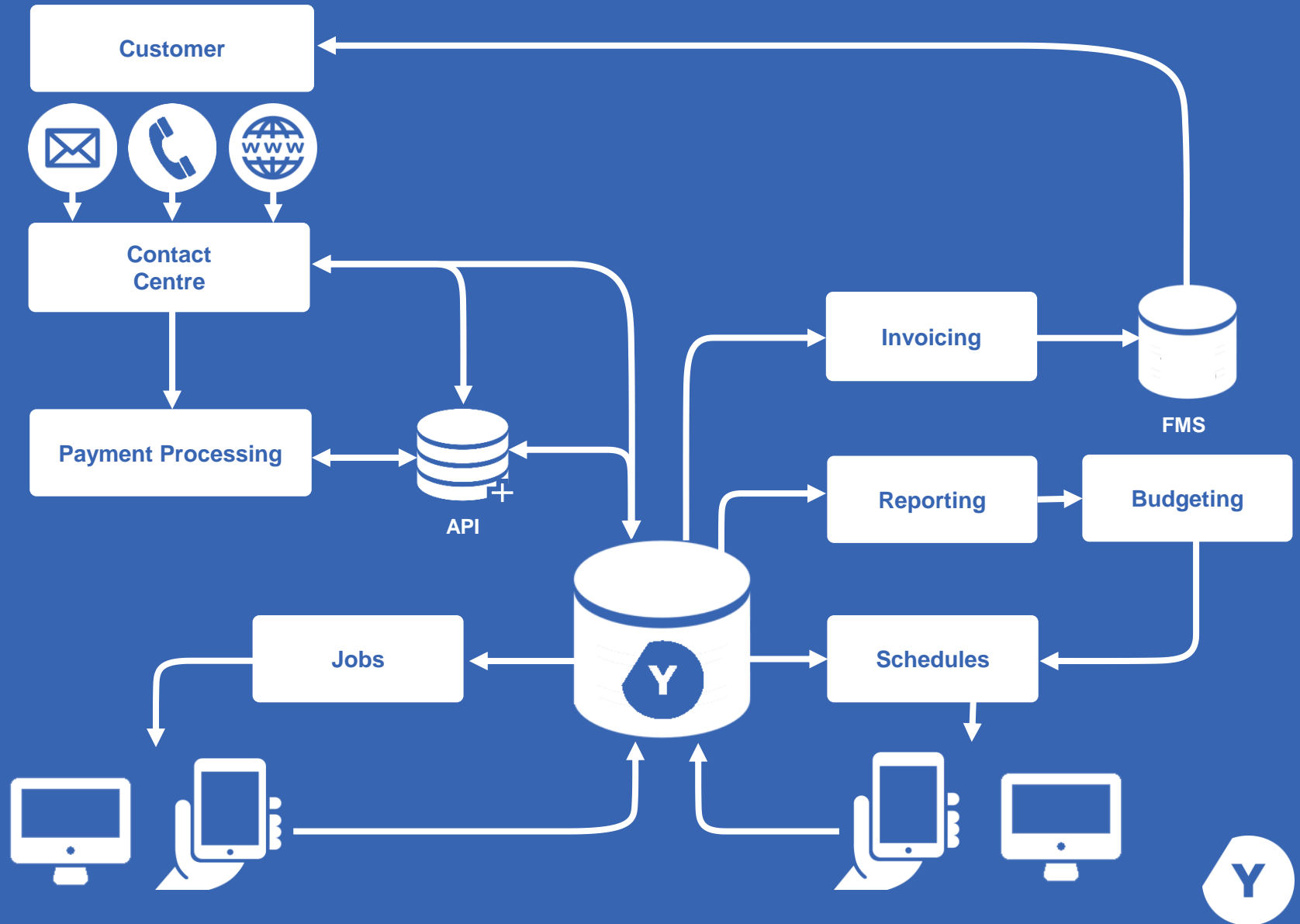
The screenshot displays the Alloy web application interface. The main area is an aerial map of a residential area with several buildings and green spaces. A prominent blue line, representing a network or boundary, runs across the map. Yellow circular markers are placed on the map, with one labeled 'Litter Bin'. The sidebar on the left contains several data panels:

- ALLOY**
- Networks**: 9 Networks, Hilton-Metropole Sections/Sites: 2
- Streetlights**: 128k Streetlights, Units: 128,070, Faults: 16, Inspections: 755
- Jobs**: 190 Jobs, Open Jobs: 190, Closed Today: 0
- Defects**: 49 Defects, Defects Reported: 4, Waiting For Inspection: 0
- Inspections**: 2k Inspections, Open Inspections: 1,729, Types: 26, Completed Today: 0

The bottom left corner shows the user 'SW Steve White'. The browser address bar shows the URL: <https://alloy.yotta.co.uk/#/?@=28876x6804227y18z&lf=10!223.36936285!222>



Full Service Management



Configurable Workflows

The screenshot shows the Alloy web interface for configuring workflows. The browser address bar shows the URL: <https://alloy.yotta.co.uk/#/workflow?if=10&@=28992x6804223y18z&w=1000065>. The left sidebar contains a navigation menu with 'Home', 'Workflow' (18 items), 'Workflows' (18 items), and 'Active Workflows' (3 items). A 'New workflow' button is visible. The main workspace displays a workflow configuration: 'if' followed by a folder icon, a plus icon, a check icon, and a trash icon, then 'check', 'Reported Defect', and 'then', followed by 'Email Gully Contractor'. Below these are 'Add check' and 'Add action' buttons. The right sidebar shows the configuration details for 'Gully Blocked Notification' (Email to contractor), including options for asynchronous execution and listening for create, update, and delete events. An 'Edit' button is at the bottom of the sidebar. The bottom left corner shows the user 'SW Steve White'.



Connected Asset Management



Service Silos



Exploding the Silos!



Exploding the Silos!



Exploding the Silos!

The screenshot displays the Alloy GIS application interface. The main map area shows a street network with blue lines, green tree icons, yellow circular markers, and a pink highlighted building area. A yellow callout box labeled "Litter Bin" is visible. The sidebar on the left provides summary statistics for various categories:

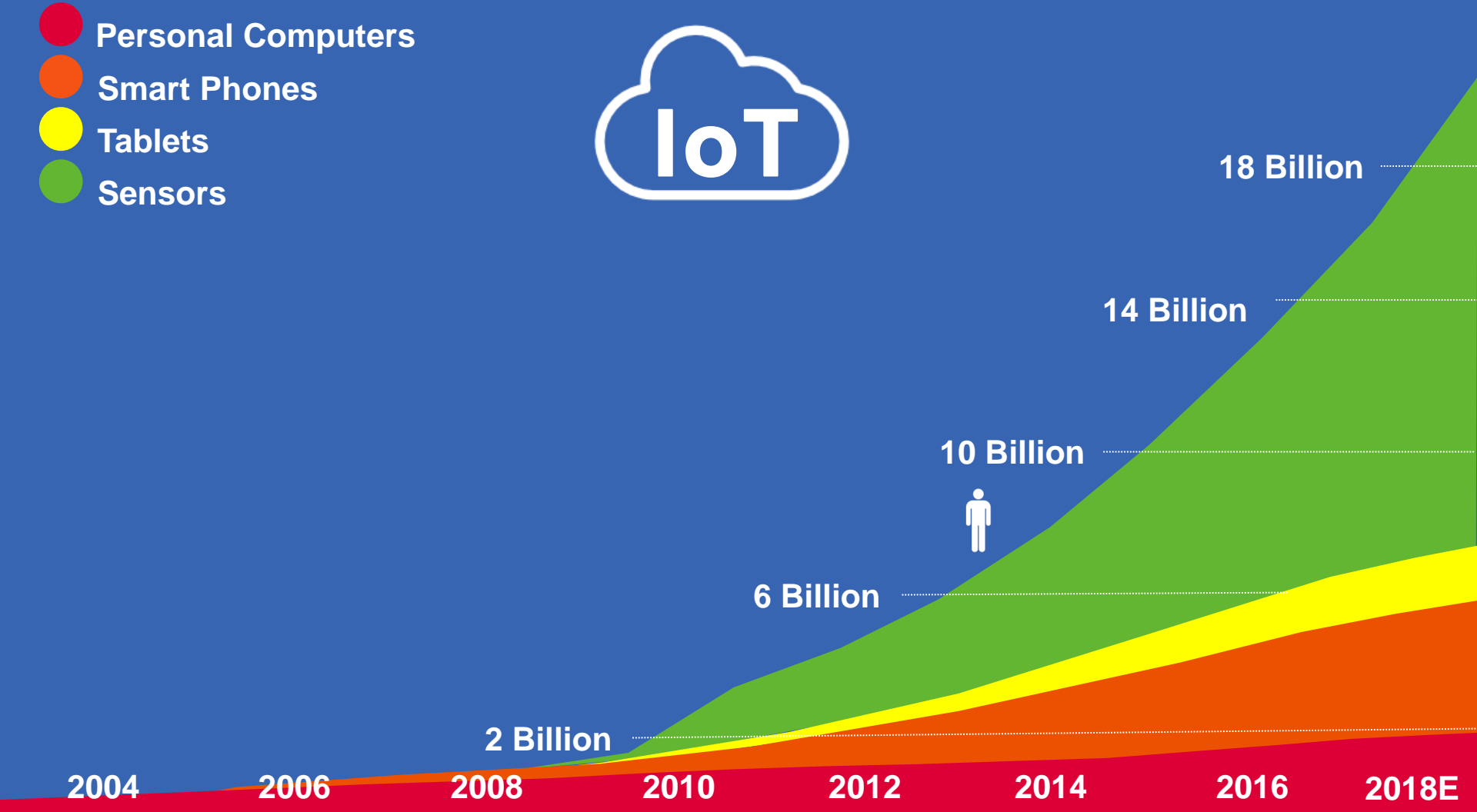
- Networks:** 9
- Ricoh Arena Sections/Sites:** 5
- Streetlights:** 128k
 - Units: 128,070
 - Faults: 16
 - Inspections: 755
- Jobs:** 190
 - Open Jobs: 190
 - Closed Today: 0
- Defects:** 49
 - Defects Reported: 4
 - Waiting For Inspection: 0
- Inspections:** 2k
 - Open Inspections: 1,729
 - Types: 26
 - Completed Today: 0

The user's name "SW Steve White" is visible at the bottom left of the sidebar. The map includes labels for "Saffron Walden Hospital", "El Sub Sta", "Depot", "Wild Hedges", "Ruin", and "Tunip Hall Farm".



The Rise of the Machines!

- Personal Computers
- Smart Phones
- Tablets
- Sensors



Multi-Asset Modelling

Infrastructure Asset Management

Data Visualisation



Streets



Lighting



Waste



Street Works



Green Spaces

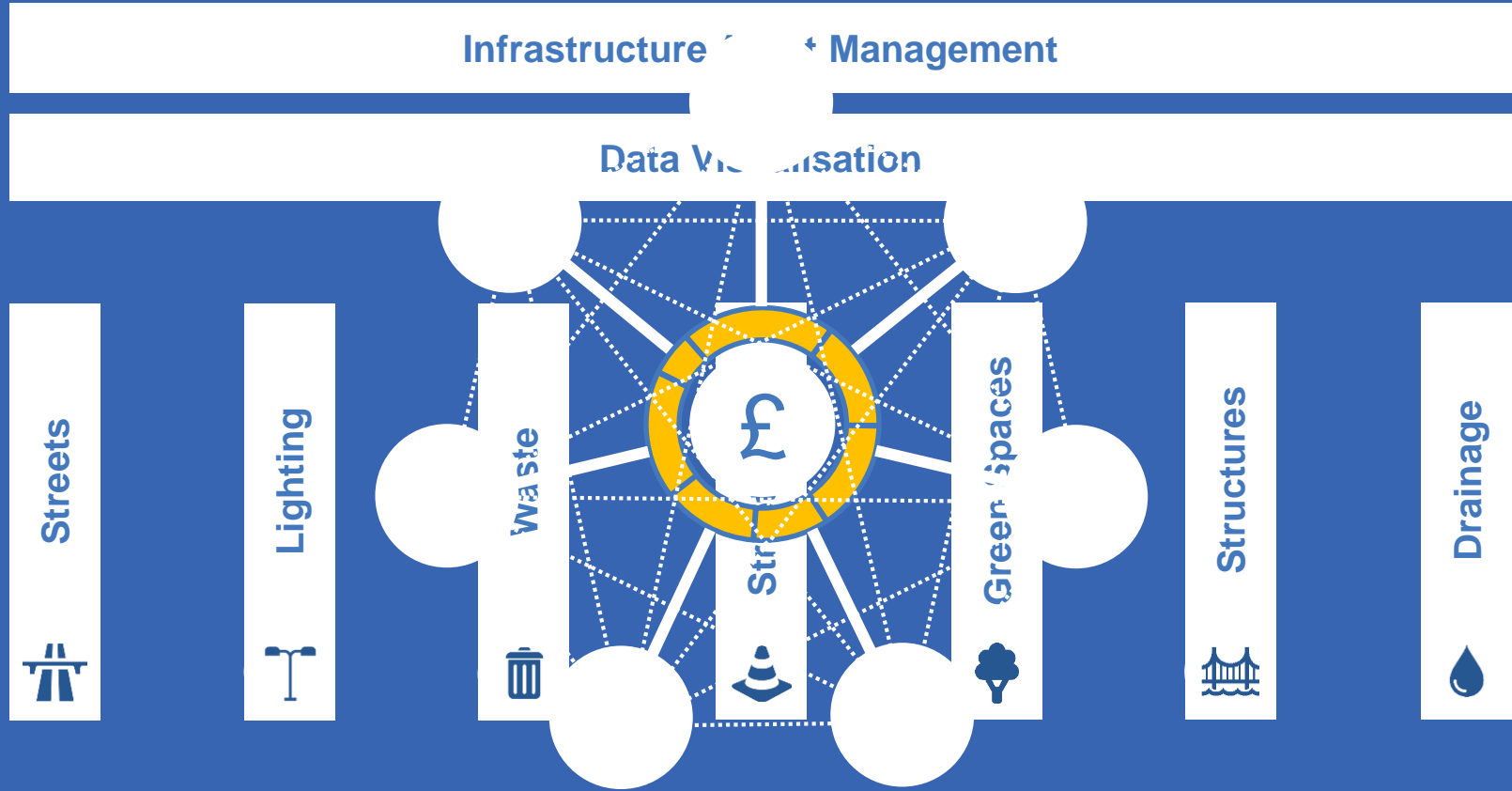


Structures



Drainage

Multi-Asset Modelling



Questions & Answers



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