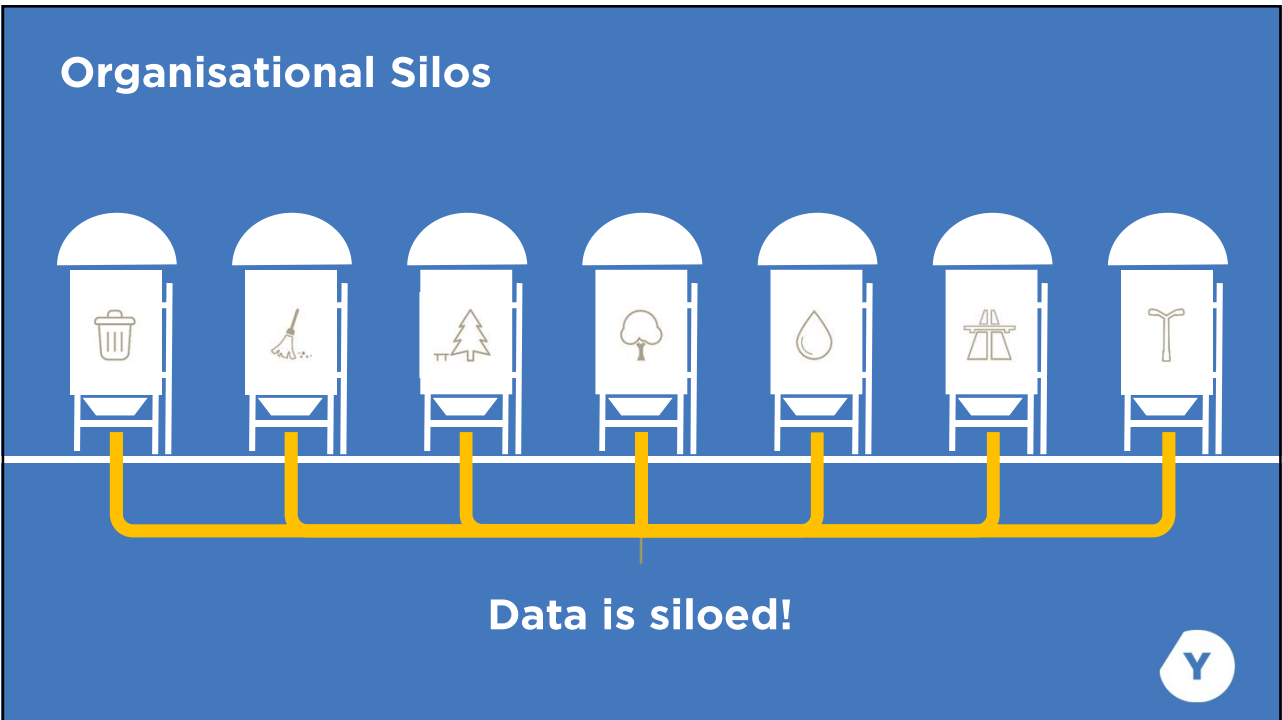


# Connected Green Assets



# Organisational Silos



## Exploding the Silos



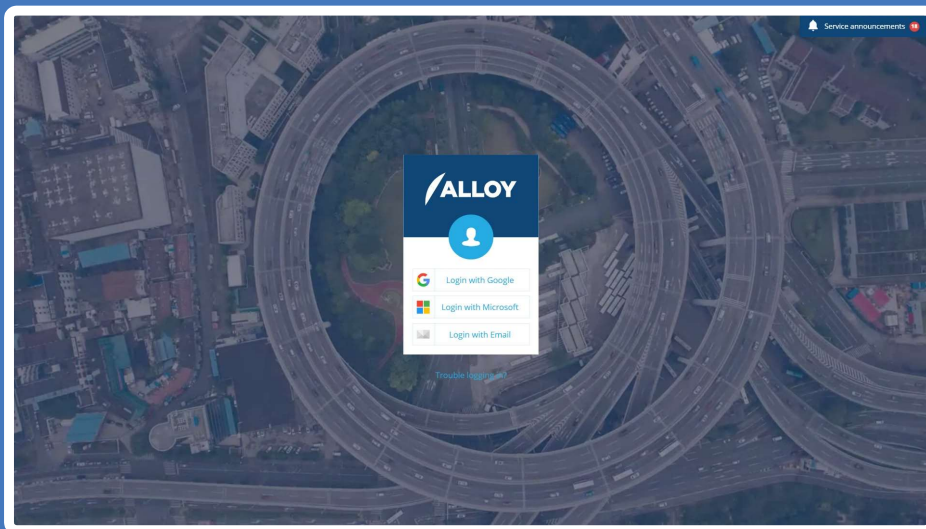
## Connecting the Silos



## Connected within our Organisations



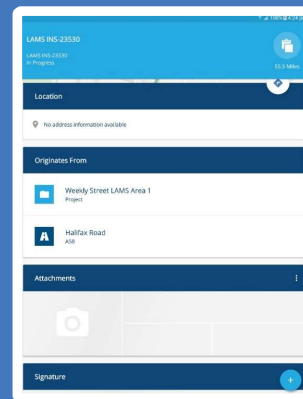
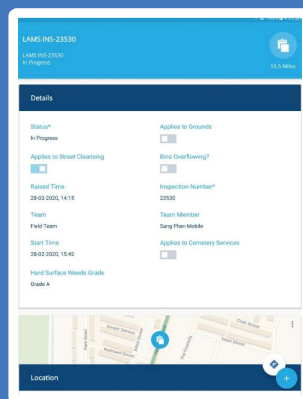
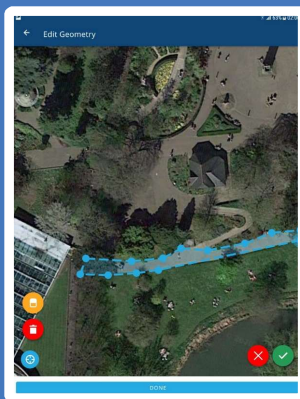
## Access from Anywhere with a Browser



# Green Assets and More



# Capturing Data on the Mobile



# Assigning Activity

The screenshot displays the ALLOY software interface for assigning activity. The top section shows a map of 'Pump Room Gardens' with a green area highlighted. A sidebar on the left lists various tasks, including 'Unassigned tasks', '119468 - Gully Inspection Proposed', 'JOB-8 Example Job', 'JOB-9 Grass Cutting', 'JOB-13 Grass Cutting', 'JOB-22 Grass Cutting', 'Gully Chamber Job', 'JOB-21 Hedge Trimming', and 'LAMS IN'. Below the map is a grid for assigning tasks to teams over a period of 25 days. The grid has columns for days from 11th to 25th and rows for teams: 'RC - Highways Maintenance Team', 'Forestry Inspectors Team', 'Playground Maintenance Team', 'Gully Cleansing Team A Team', and 'Highway Condition Surveyors Team'. A 'LAMS IN' label is visible on the grid. The interface also includes a 'Change resolution' dropdown, 'Filter tasks', 'Filter teams', 'Jump to date', 'Save', and 'SW' buttons.

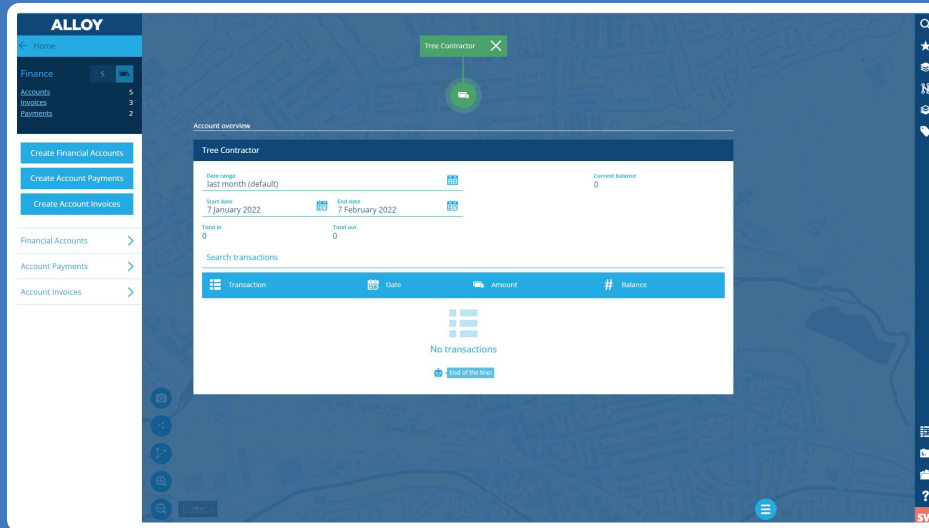


# Managing Schedule of Rates & Teams

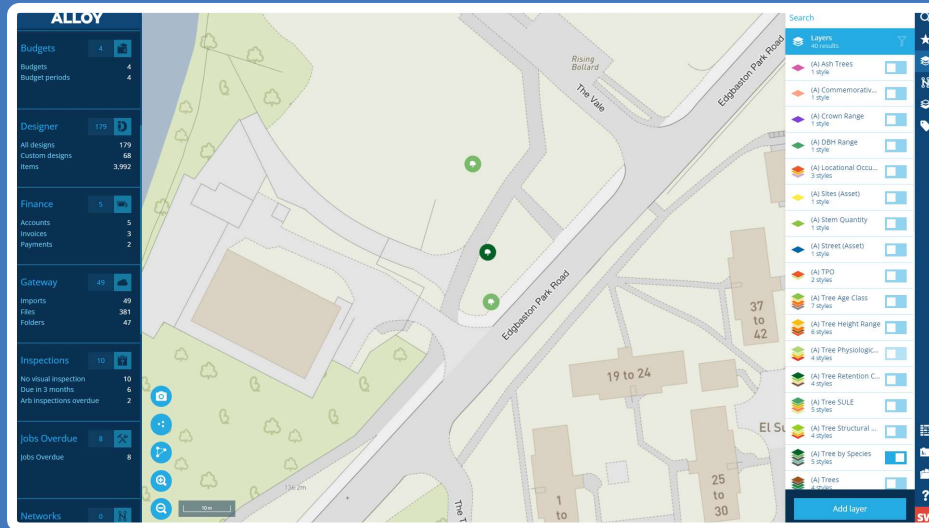
The screenshot displays the ALLOY software interface for managing the schedule of rates and teams. The top section shows a map of a 'Grass Area, 1232' with a green area highlighted. A sidebar on the left lists various teams, including 'Field Team', 'Yotta Highway Services', 'Area 2 - West Maintenance', 'Area 1 - Central CW Inspectors', 'Area 2 - West CW Inspectors', 'Area 3 - East CW Inspectors', 'Waste Collection Team A', 'Waste Collection Team B', 'Waste Collection Team C', 'Waste Collection Team D', and 'Street Cleansing Team A'. A 'Map locked' indicator is visible at the bottom. The interface also includes a 'Jobs' panel on the right showing '1 Active' jobs, a 'Create job' button, and a 'Make a copy' button.



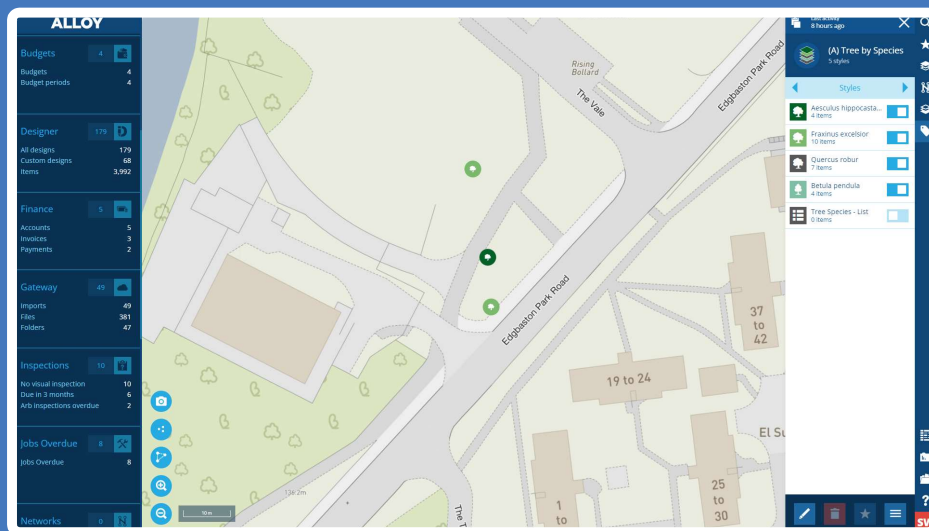
# Designing & Managing Any Budget



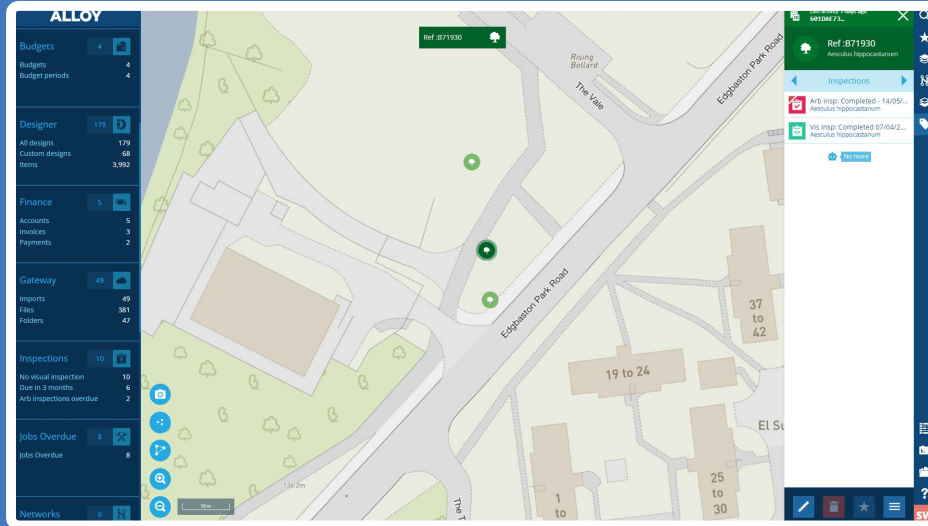
# Not the Joshua Tree



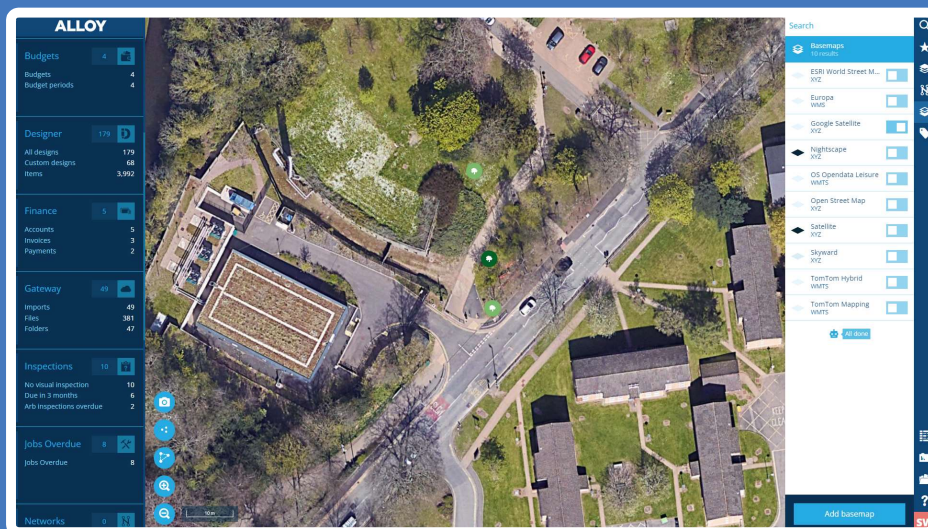
# Trees Any Way you Like



# Any Tree Activity



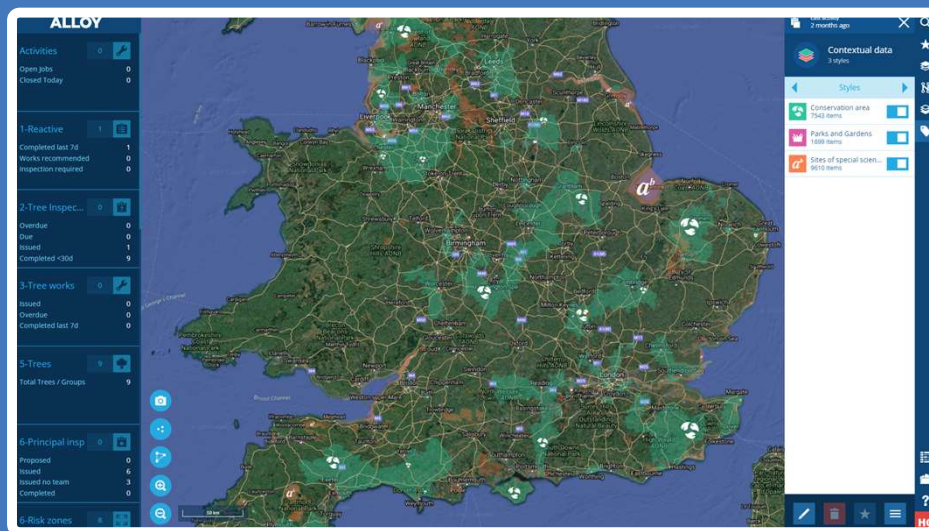
# Any Map Will Do







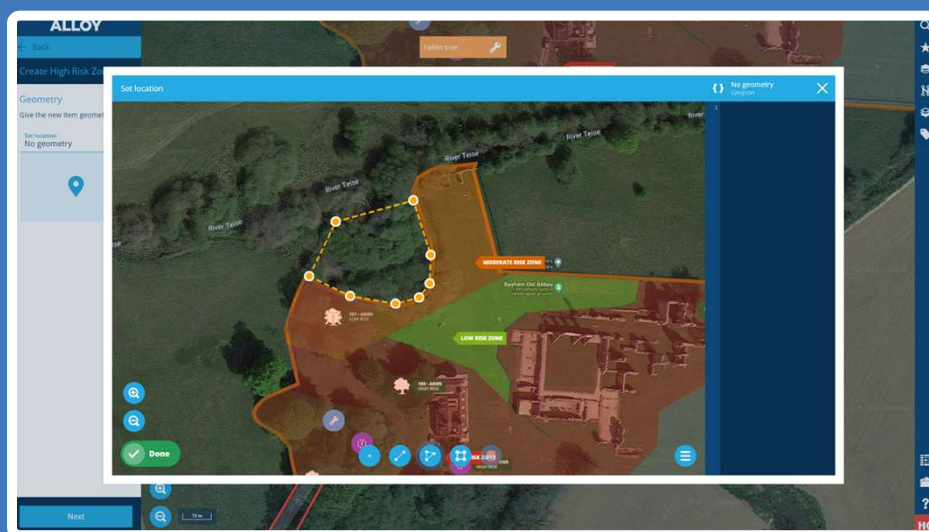
## A National Challenge



# Managing Risk Zones



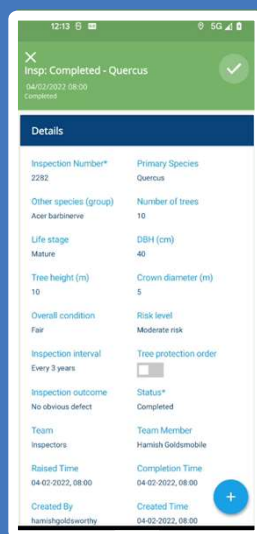
# Defining Risk Zones



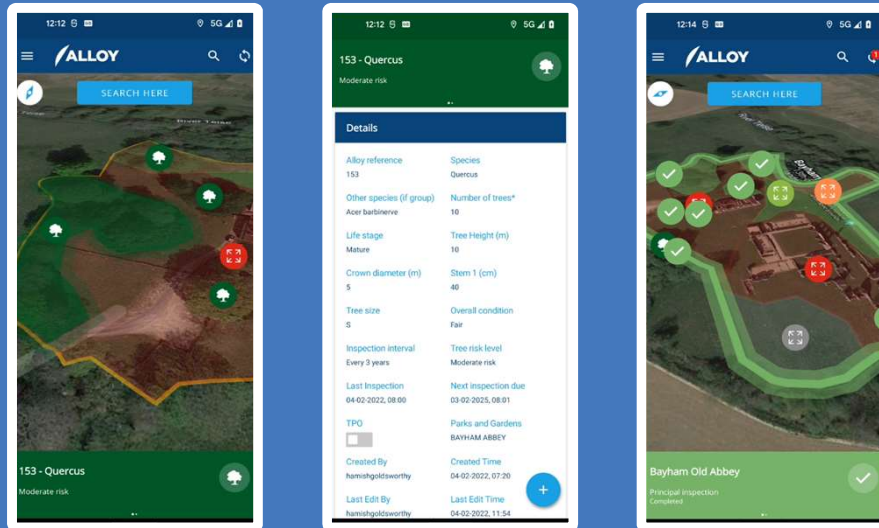
# Defining Inspections



# Inspections on the Mobile



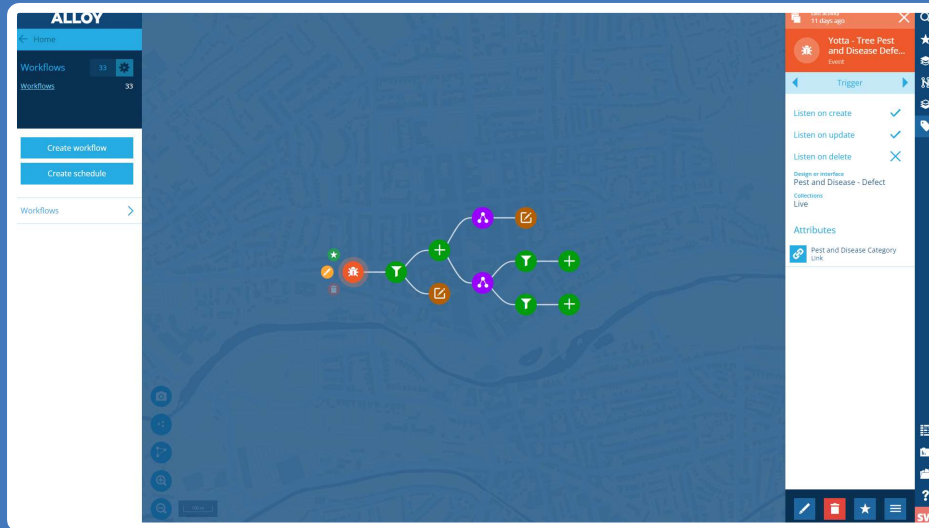
# Maintaining the Asset Register



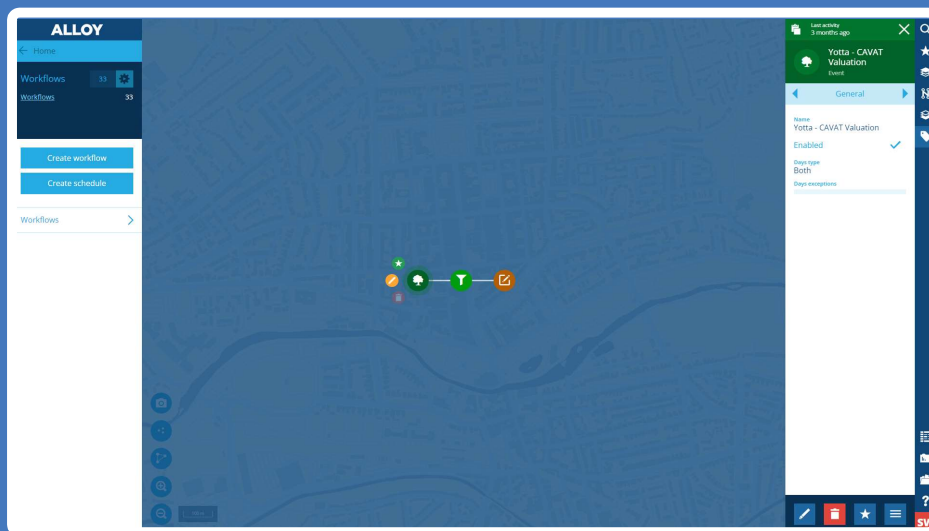
# Any Tree Activity



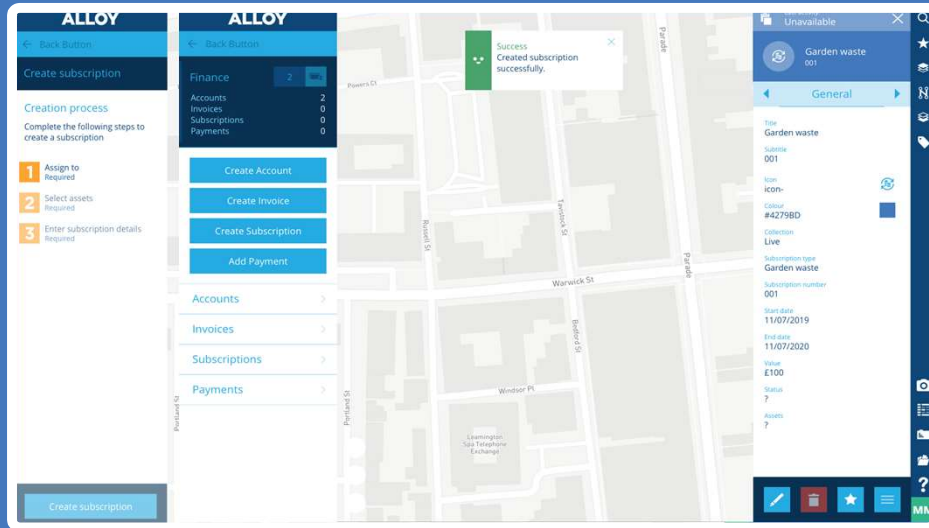
# Workflow My Trees



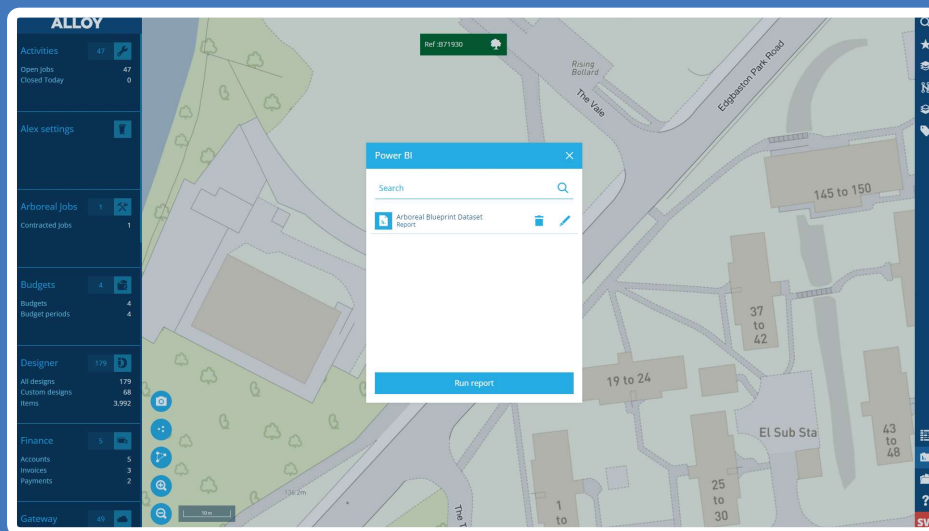
# Workflow My Trees



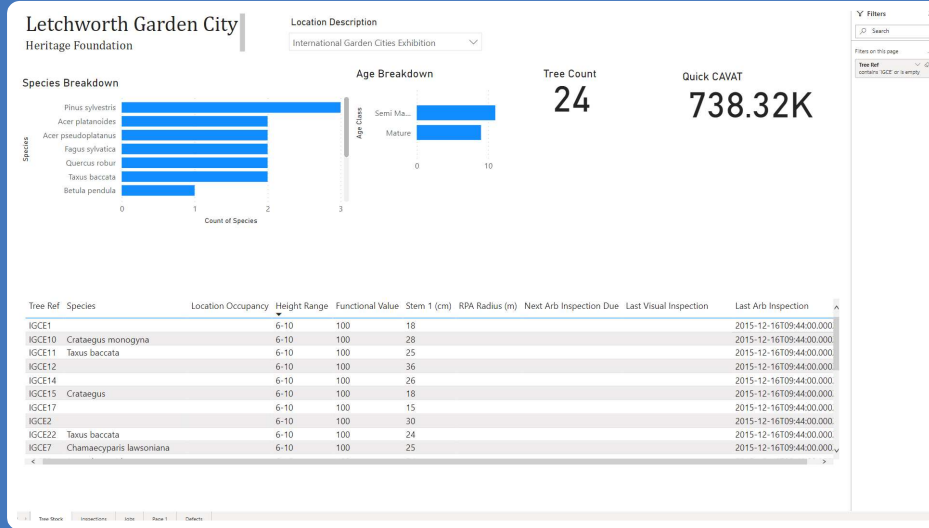
# Commercialise Services



# Embedded Power BI



# Trees Data Sliced and Diced



# Connected with the Public



## Digital Plumbing - All Data Open API

The screenshot displays two Swagger API documentation pages side-by-side. The left page is for 'Alloy Api 1.0.0' with a base URL of 'api.uk.alloyapp.io'. The right page is for 'Alloy Extended Web Api 1.0.0' with a base URL of 'extended.api.uk.alloyapp.io'. Both pages show a list of API endpoints under the 'Bulk' section, including endpoints for 'ChangeComponentWorkItem' and 'Defect'. The endpoints are color-coded by method: GET (blue), POST (green), and DELETE (red). Each endpoint includes a brief description and a lock icon indicating authentication requirements.

Y

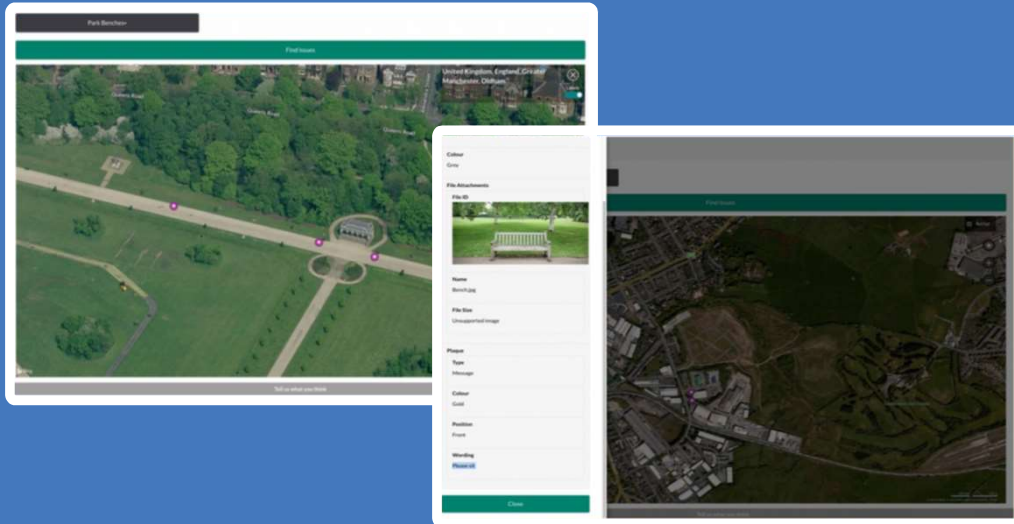
## Serving Data to the Public

The image shows two overlapping screenshots of public-facing problem reporting websites. The top-left screenshot is for Hackney, titled 'Report, view, or discuss local problems'. It includes a search bar for 'Enter a Hackney postcode, or street name and area' and a list of steps: 1. Enter a Hackney postcode, or street name and area; 2. Locate the problem on a map of the area; 3. Enter details of the problem; 4. Confirm the report and Hackney Council will investigate. The bottom-right screenshot is for Bristol, titled 'Report a problem on a street'. It includes a search bar for 'Enter a Bristol postcode, or street name and area' and a list of steps: 1. Enter a Bristol postcode, or street name and area; 2. Locate the problem on a map of the area; 3. Enter details of the problem. It also features a 'Recently reported problems' section with small images and text descriptions of issues like 'Double yellow lines missing on road' and 'Drain blocked, Bad smell & Rats present'.

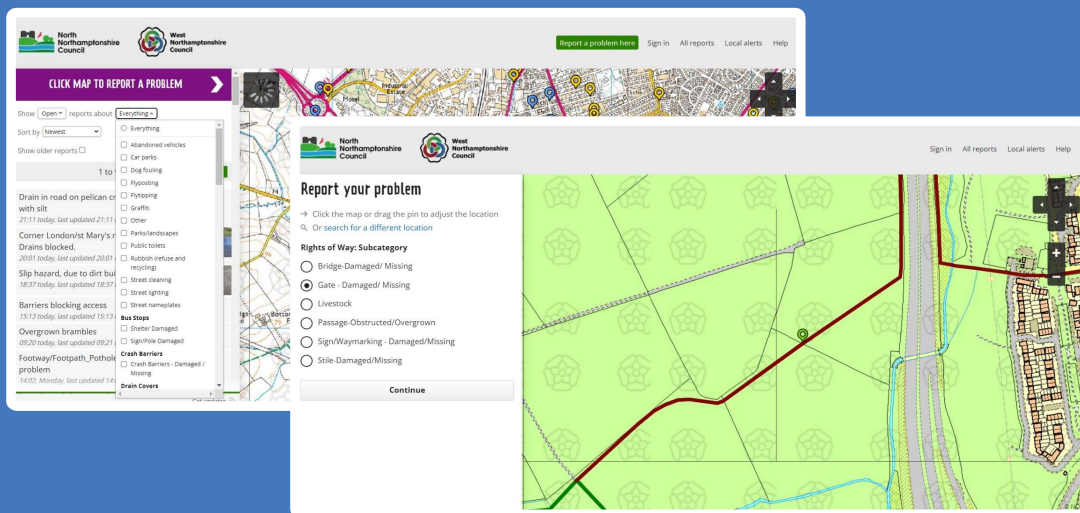
Y



# Serving Data to the Public



# Serving Data to the Public



# 5,100,000



## The Public!

aws

**Matthew Cain**  
Head of Digital,  
Data and Customer Services,  
Hackney Council

“Cloud, unless”—How a cyberattack  
changed **Hackney Council’s** relationship  
with technology overnight

@mcaino

↔ Hackney

1:31 / 8:03

<http://bit.ly/hackney-cyber-security>



# Connected with the Future



# Sensors and IOT

**ALLOY**

Activities  
Open Jobs: 0  
Closed Today: 0

Budgets  
Budgets: 0  
Budget periods: 0

Designer  
All designs: 65  
Custom designs: 4  
Items: 1127

Gateway  
Imports: 0  
Files: 0  
Folders: 5

Networks  
Networks: 0

Permissions  
Users: 5  
Groups: 38

Container Fill Level  
4 styles

- Fill Level - 0 to 40% (4 items)
- Fill Level - 40 to 60% (5 items)
- Fill Level - 60 to 80% (4 items)
- Fill Level - 80 to 100% (4 items)

Map labels: NEAR ENTRANCE TO THE OLD TOLL BR..., FACING JETTY HEAD PUB, ON WALKWAY NEAR PUB, NEXT TO BRN BY THE BRN



# Workflows using Sensor Data



**City of Ryde**

The Junglety Breathing Wall is an active, modular green wall system, scientifically proven to accelerate the removal of air pollutants faster than any other plant-based system on the market.

It also acts as a sound barrier, improving acoustics while cooling the surrounding air temperature, resulting in energy efficiency and reduced air conditioning costs.

Sensors embedded in the wall communicate directly with Alloy through Mesh to give real-time status updates for water level, temperature, air pressure and voltage.

Data from these sensors can be used to monitor wall health and trigger alerts.

ellenex    LoRaWAN    THE THINGS NETWORK

**ALLOY MESH**



## Continue the Discussion



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