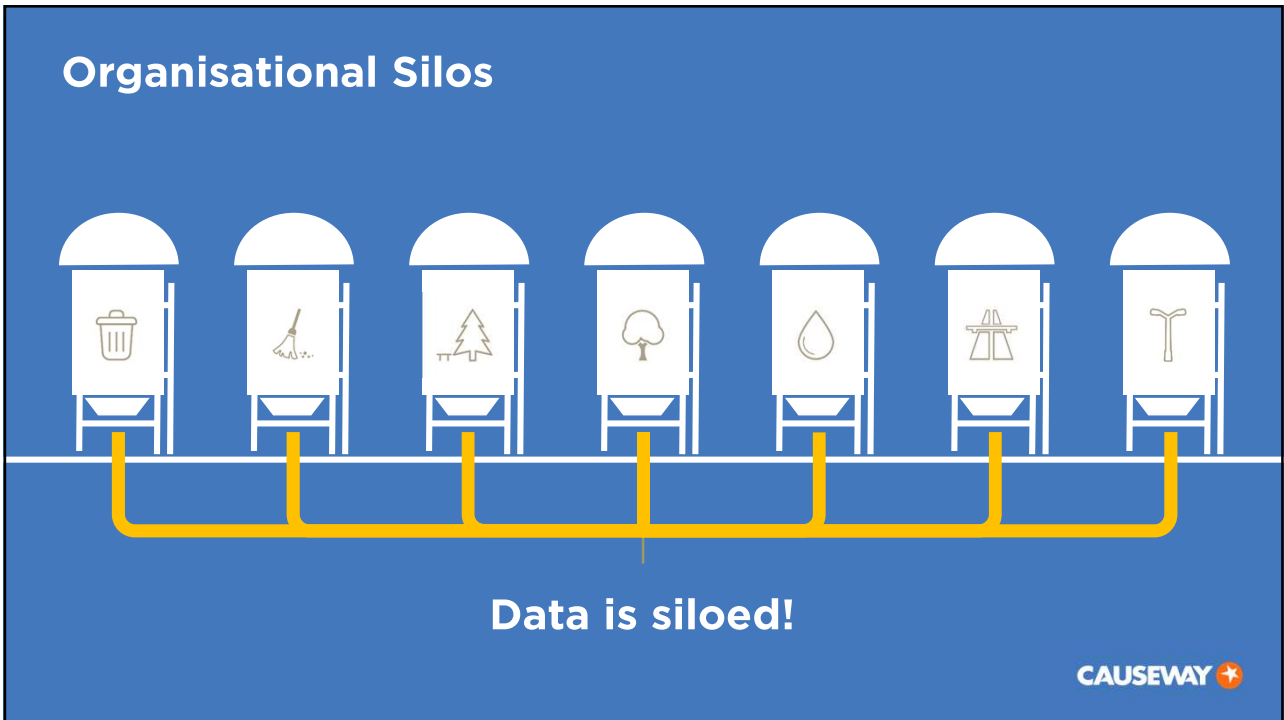




1



2

## Playing with Dynamite!



CAUSEWAY 

3

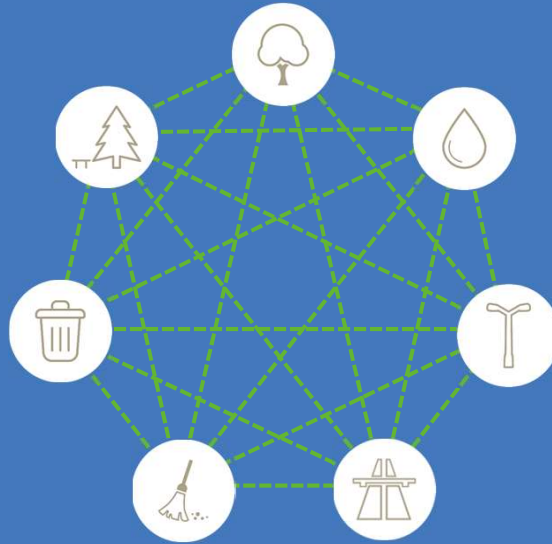
## Exploding the Silos



CAUSEWAY 

4

## Connecting the Silos



CAUSEWAY 

5

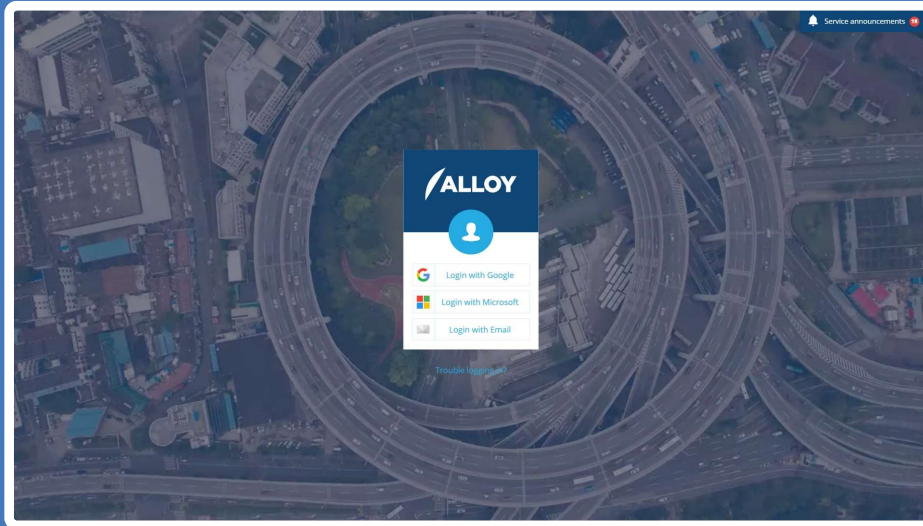
## Connected within our Organisations



CAUSEWAY 

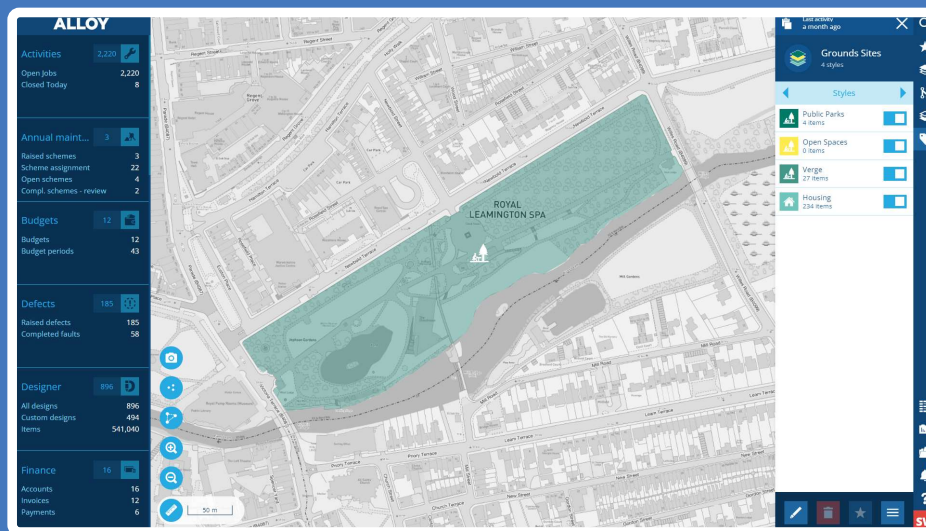
6

# Access from Anywhere with a Browser



7

# Green Assets



8

# Green Assets and More

The screenshot displays the ALLOY software interface. On the left, a sidebar menu lists various categories with counts: Activities (2,000), Annual maint... (3), Budgets (12), Defects (185), Designer (896), and Finance (16). The central map shows a street layout with green assets highlighted in green and orange. A 'Grounds Assets' panel on the right lists 13 styles: Grass Area (2638 items), Hedge (15 items), Shrub Bed (295 items), Path (13 items), Bench (8 items), Water (1 item), Fence (0 items), Statue (2 items), Flower Bed (46 items), Wildflower (29 items), Naturalistic Area (0 items), Gates (13 items), and Grass Verge (787 items). The CAUSEWAY logo is in the bottom right corner.

9

# Green Assets and More

The screenshot displays the ALLOY software interface with a different map view. The sidebar menu is identical to the previous slide. The central map shows a street layout with green assets highlighted in green. A 'Layers' panel on the right lists 17 styles: Grounds Sites (4 styles), Grounds Team A Pr... (6 styles), Grounds Team B Pr... (6 styles), Grounds Team C Pr... (6 styles), Grounds Tree Assets (2 styles), Grounds Tree Cond... (3 styles), Gullies (Defect Cou... (3 styles), Gully Cleanse 2022... (3 styles), Gully Faults (1 style), Gully Fill Level (3 styles), Gully Grate Tile (3 styles), Gully Groups (3 styles), Gully Ownership (6 styles), Gully Sit Depth 2018 (3 styles), Gully Sit Depth 2019 (3 styles), and an 'Add layer' button. The CAUSEWAY logo is in the bottom right corner.

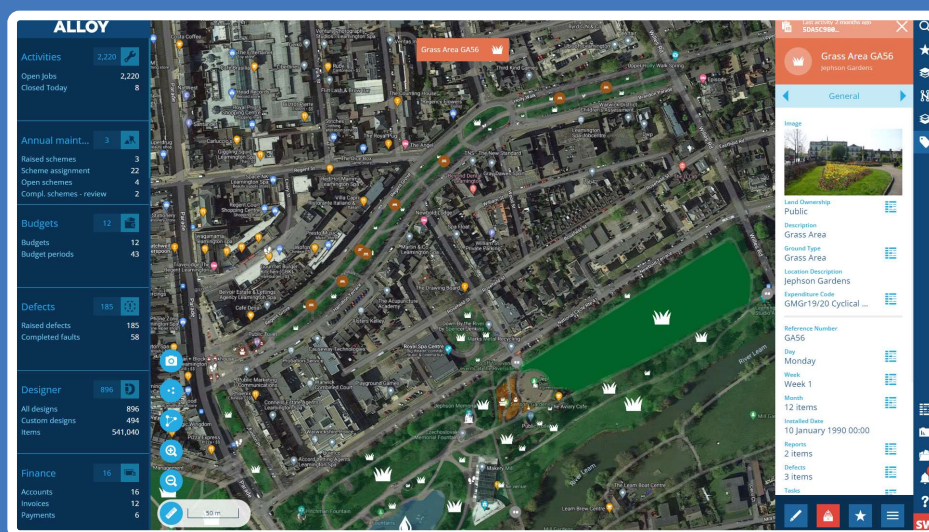
10

# Green Assets and More



11

# Green Assets and More



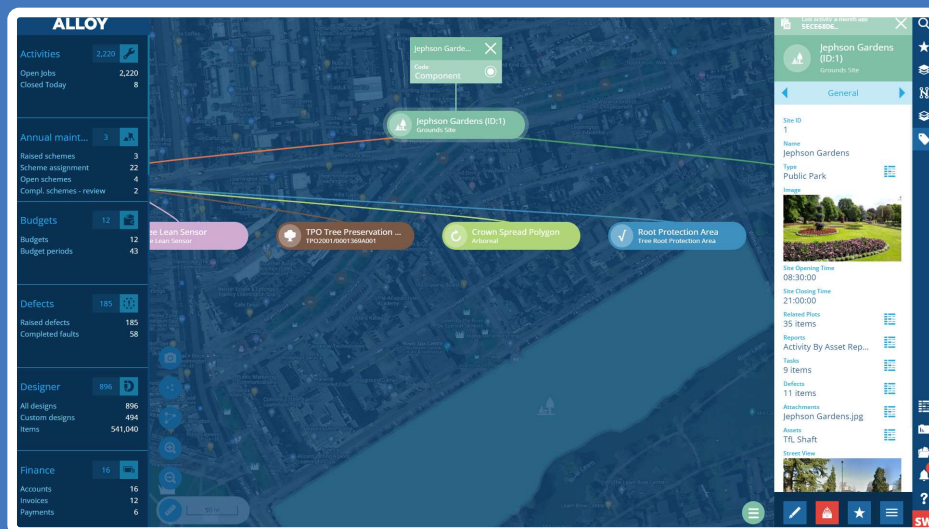
12

# Green Assets and More



13

# Green Assets and More



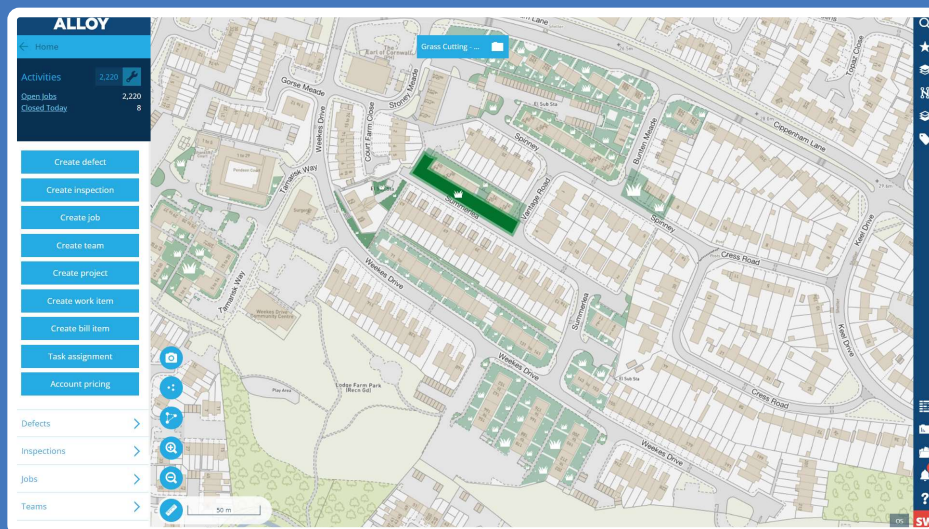
14

# Isn't that just a glorified GIS!?



15

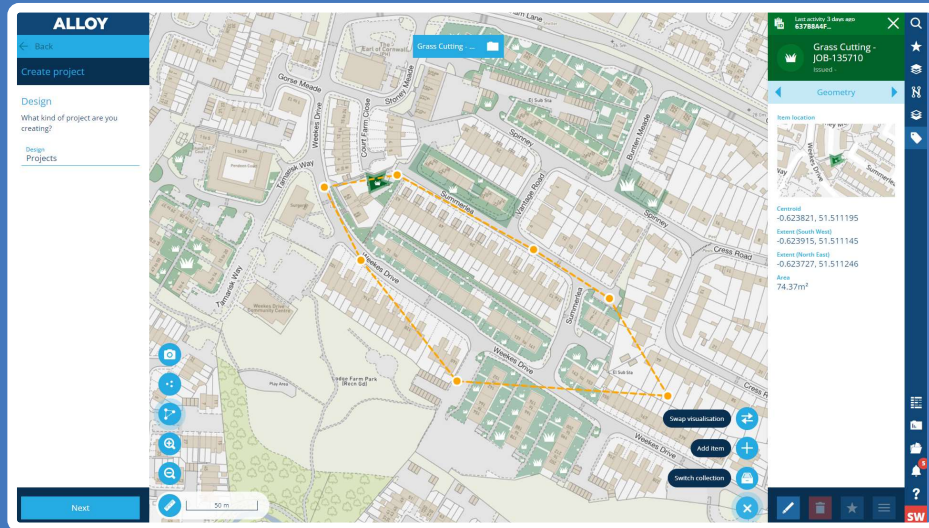
## Managing Routine Works



16

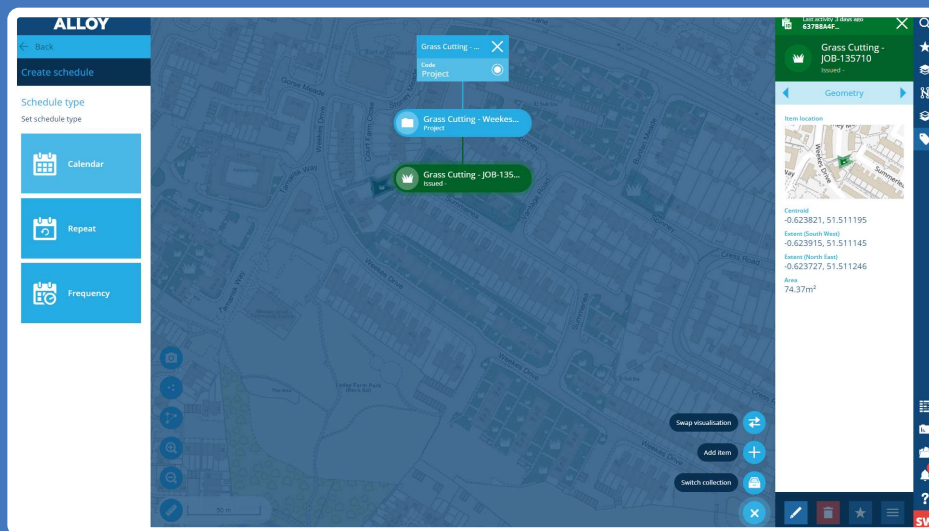


# Managing Routine Works



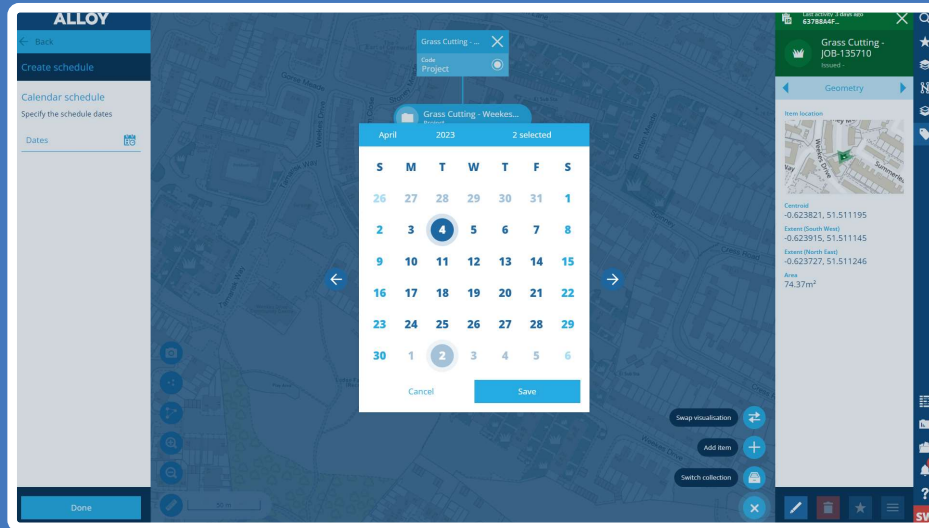
17

# Managing Routine Works



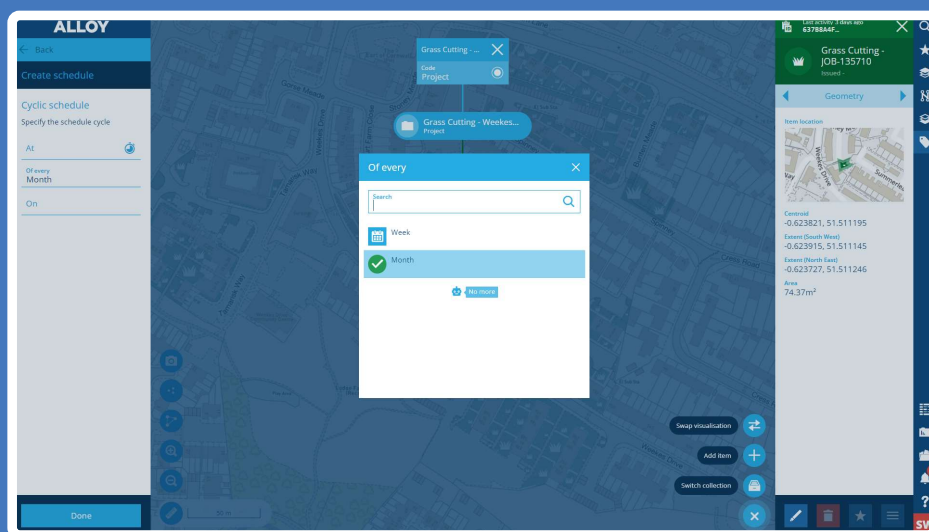
18

# Managing Routine Works



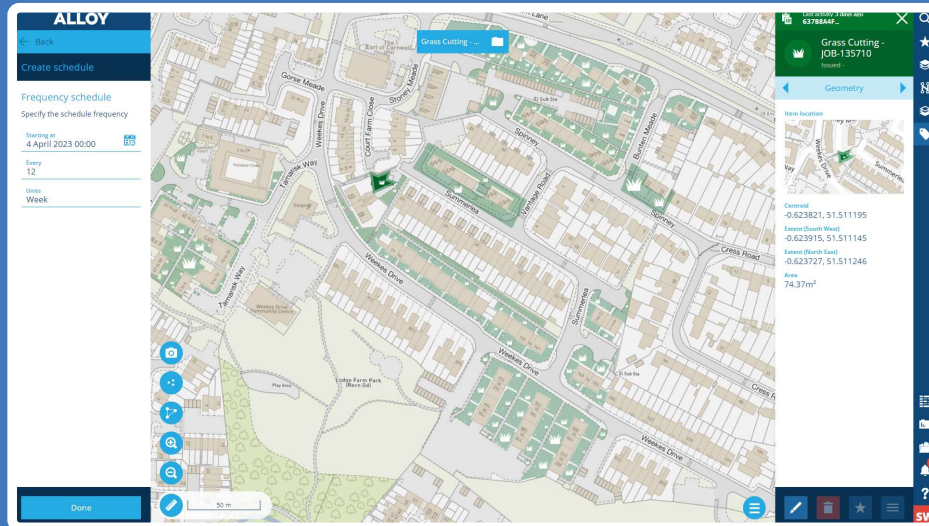
19

# Managing Routine Works



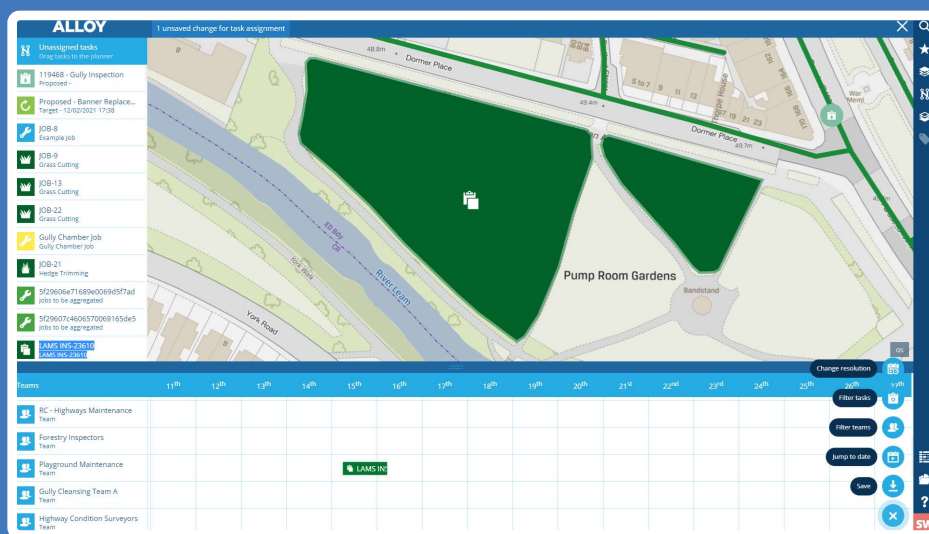
20

# Managing Routine Works



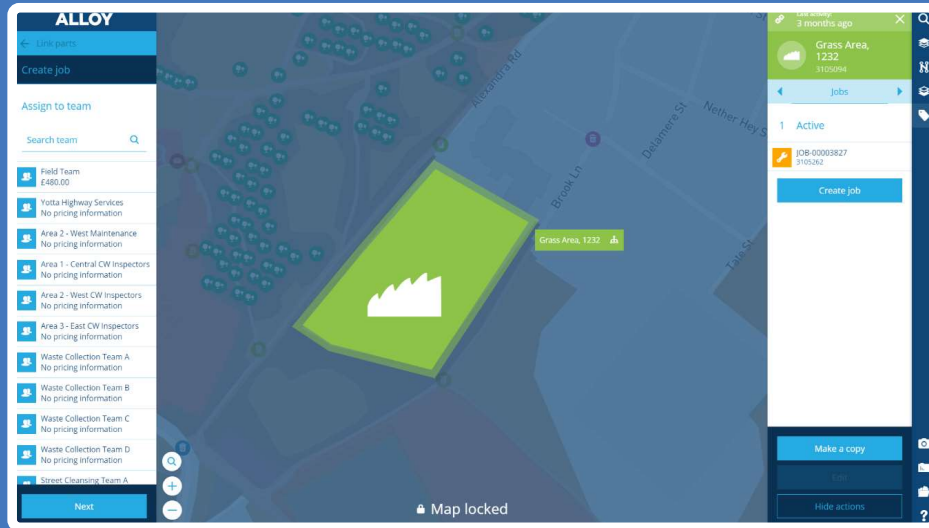
21

# Managing Routine Works



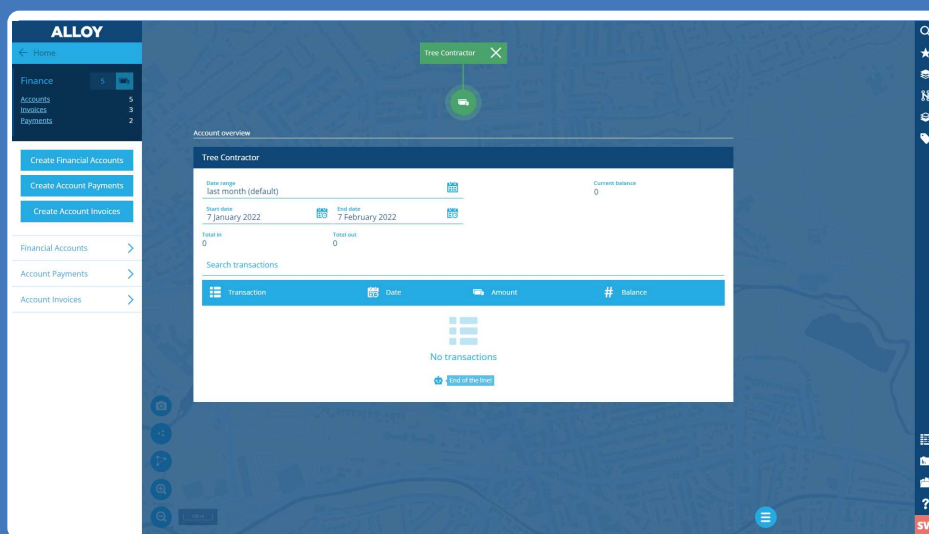
22

# Managing Routine Works

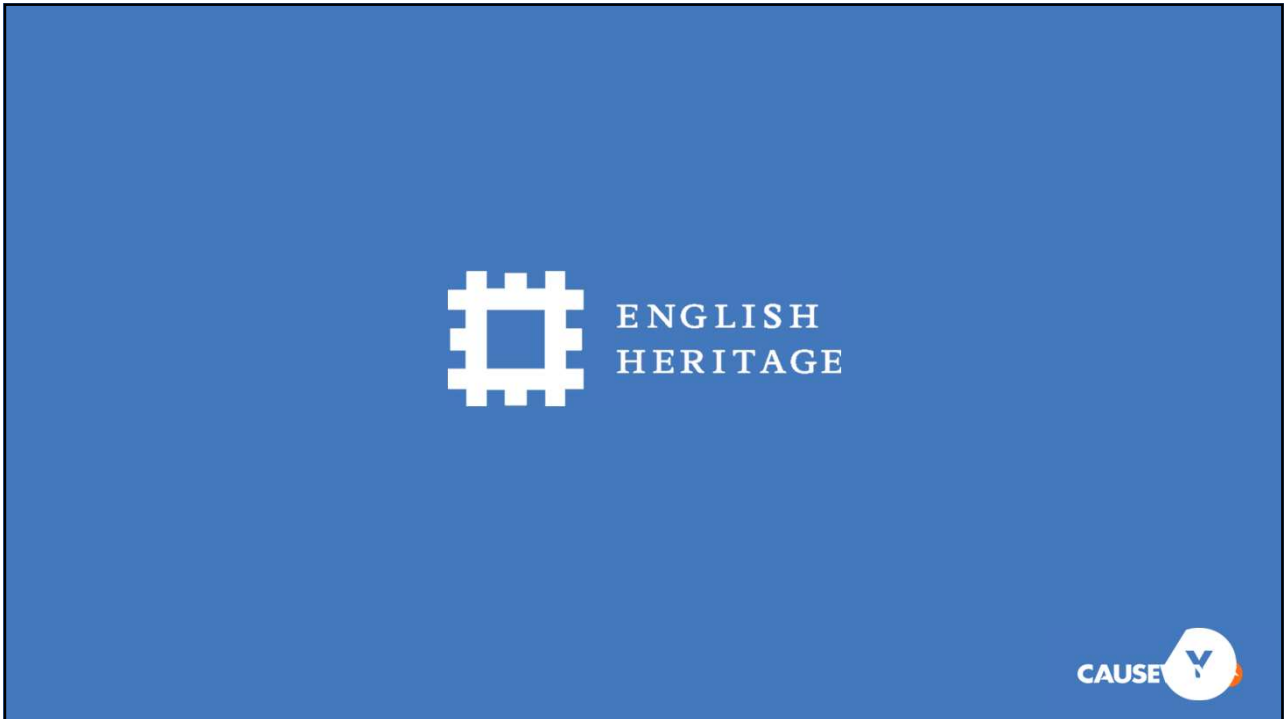


23

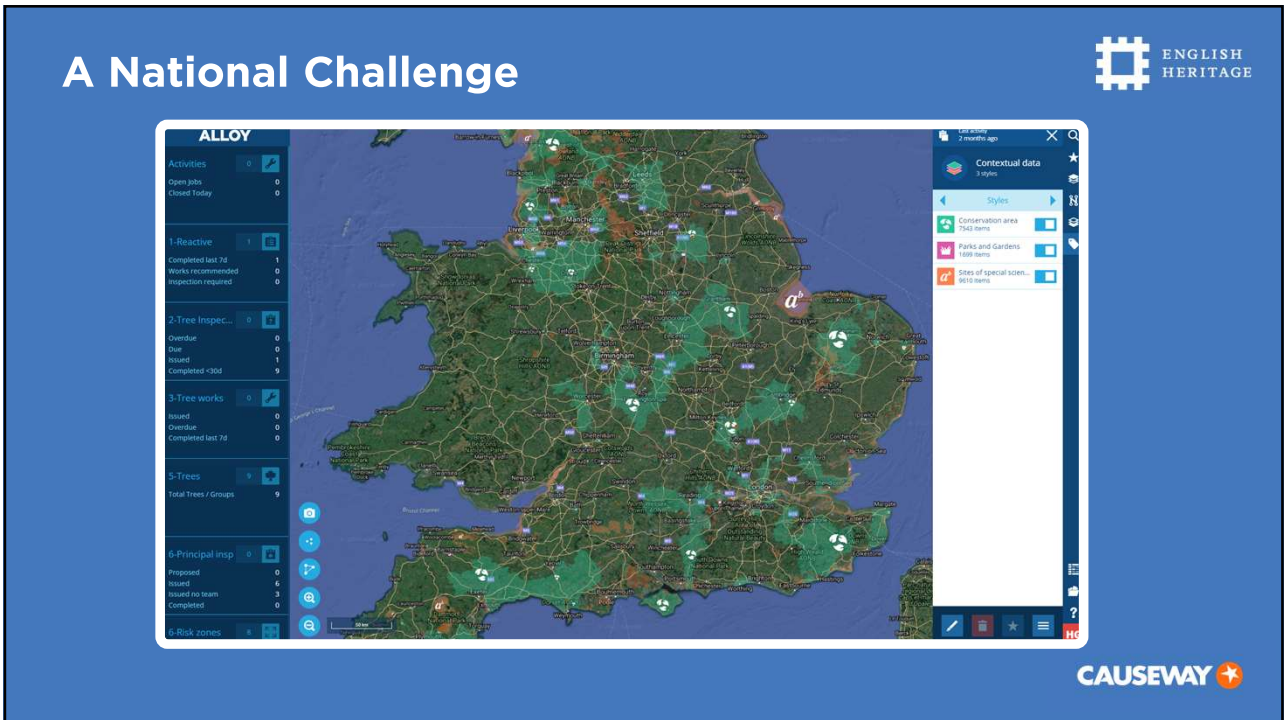
# Managing Routine Works



24



25



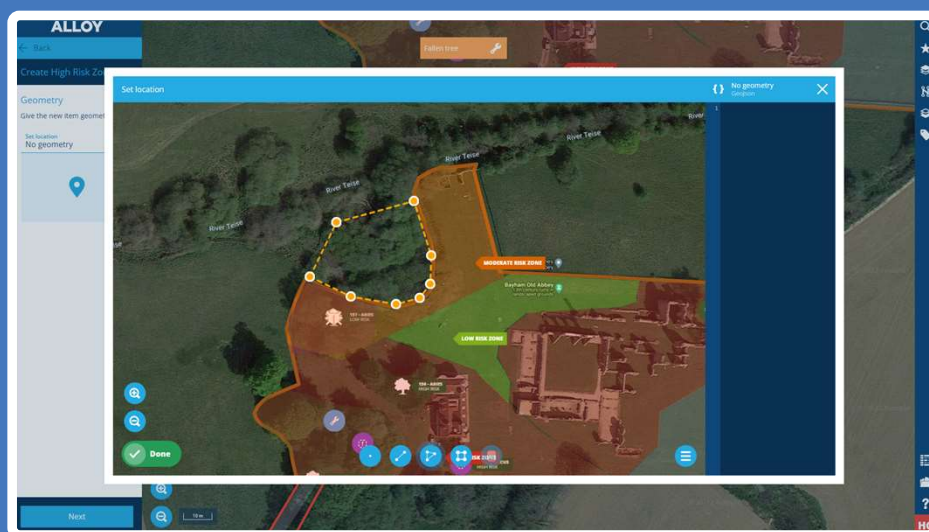
26

# Managing Risk Zones



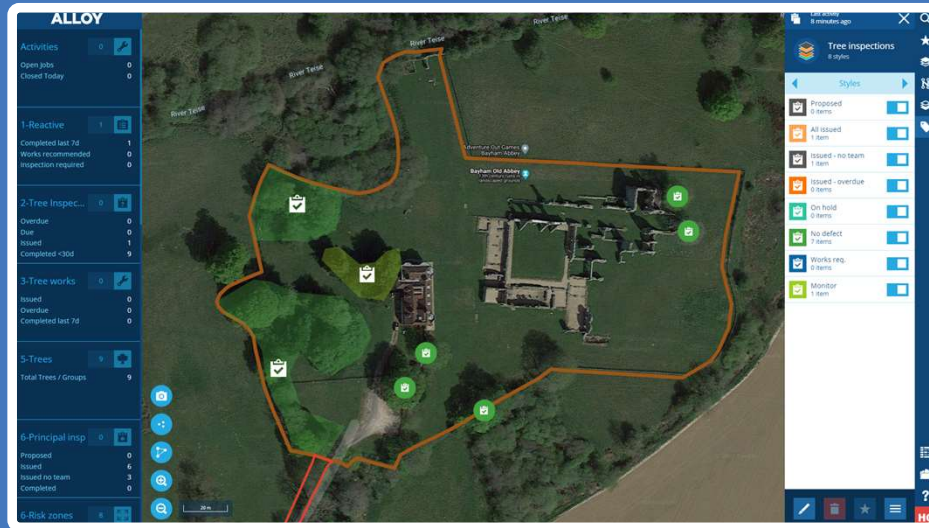
27

# Defining Risk Zones



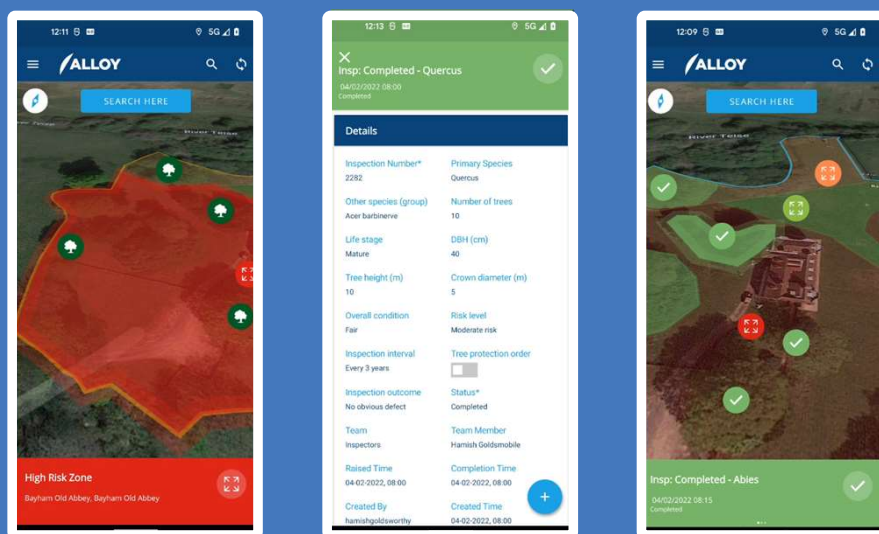
28

# Defining Inspections




29


# Inspections in the Field




30


## Maintaining the Asset Register in the Field










Details	
Alloy reference	Species
153	Quercus
Other species (if group)	Number of trees*
Acer barbinerve	10
Life stage	Tree Height (m)
Mature	10
Crown diameter (m)	Stem 1 (cm)
5	40
Tree size	Overall condition
S	Far
Inspection interval	Tree risk level
Every 3 years	Moderate risk
Last Inspection	Next inspection due
04-02-2022, 08:00	03-02-2025, 08:01
TPO	Parks and Gardens
<input type="checkbox"/>	BAYHAM ABBEY
Created By	Created Time
hamstgoldsworthy	04-02-2022, 07:20
Last Edit By	Last Edit Time
hamstgoldsworthy	04-02-2022, 11:54







31

## Connected with the Public





32



## Digital Plumbing - All Data Open API

The screenshot displays the Swagger UI for two APIs:

- Alloy Api 1.0.0**: Base URL: api.uk.alloyapp.io
- Alloy Extended Web Api 1.0.0**: Base URL: extended.api.uk.alloyapp.io

Both APIs are configured for the HTTPS scheme. The Alloy Extended Web Api section is expanded to show the following endpoints:

- Budget**: >
- Bulk**: >
- ChangeComponentWorkItem**:
  - GET** /api/change-component-work-item/{id}/applicable-component-dodis: List applicable component dodis for change component work item
  - POST** /api/change-component-work-item/{id}/applicable-component-dodis: Add applicable component dodis to this work item
  - DELETE** /api/change-component-work-item/{id}/applicable-component-dodis: Remove applicable component dodis from the work item
  - GET** /api/change-component-work-item/applicable-component-work-items/{code}: List applicable component work items for asset component
- Defect**: >

CAUSEWAY

33

## Serving Data to the Public

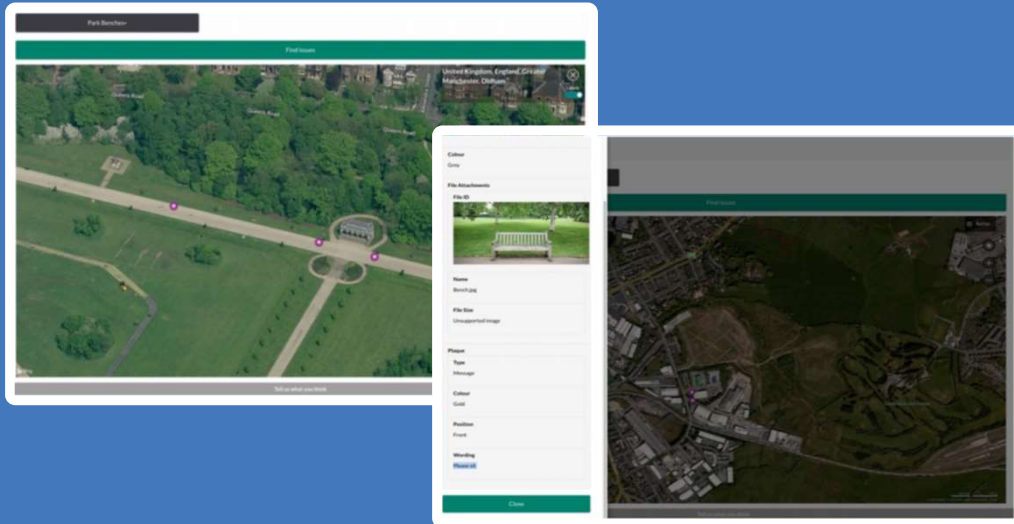
The screenshot displays two public reporting interfaces:

- Hackney**: "Report, view, or discuss local problems" (like potholes, fly tipping, broken paving slabs, or street lighting). The interface includes a search bar for Hackney postcodes or street names and a "How to report a problem" section with four 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.
- Bristol**: "Report a problem on a street". The interface includes a search bar for Bristol postcodes or street names and a "How to report a problem" section with three 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 images and descriptions of issues like "Double yellow lines missing on road" and "Drain blocked, Bad smell & Rats present".

CAUSEWAY

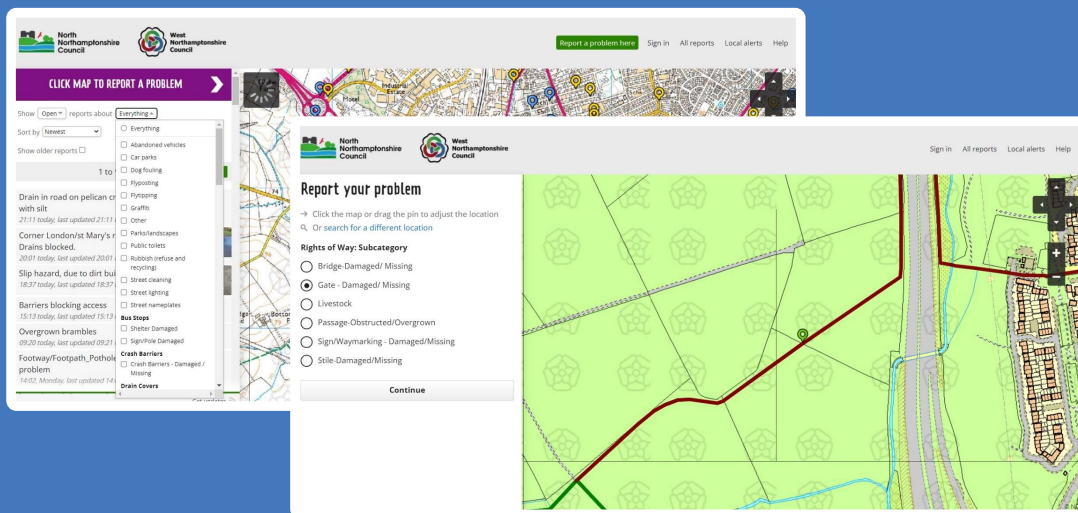
34

# Serving Data to the Public



35

# Serving Data to the Public



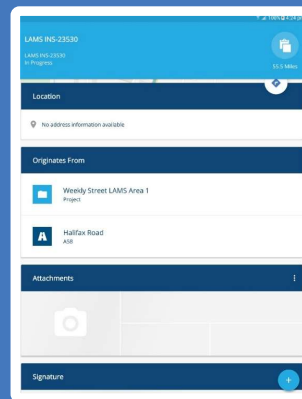
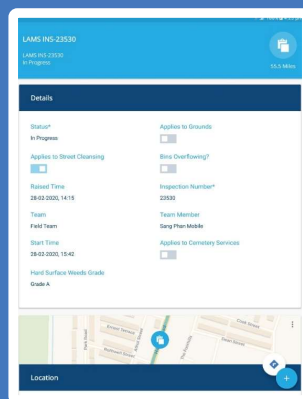
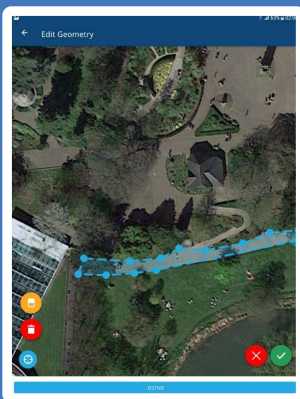
36

# 5,100,000



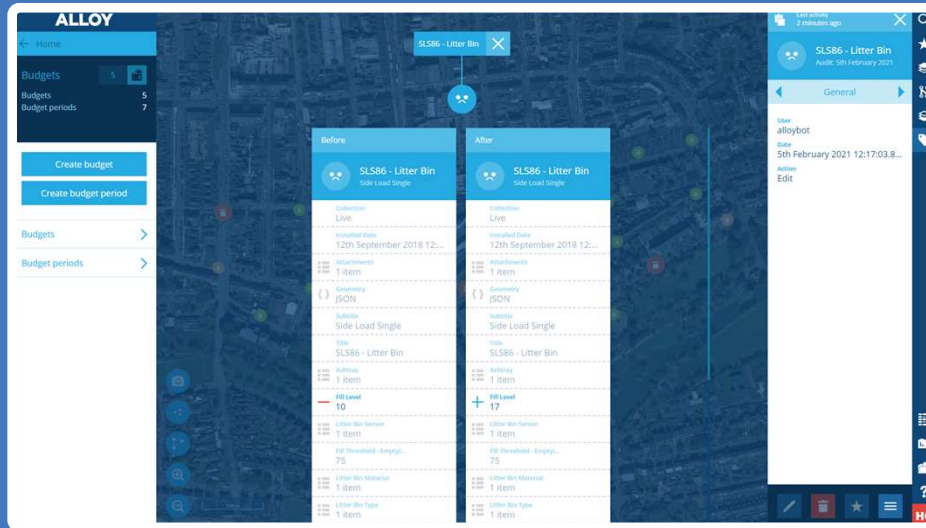
37

## Managing Ad-Hoc Works



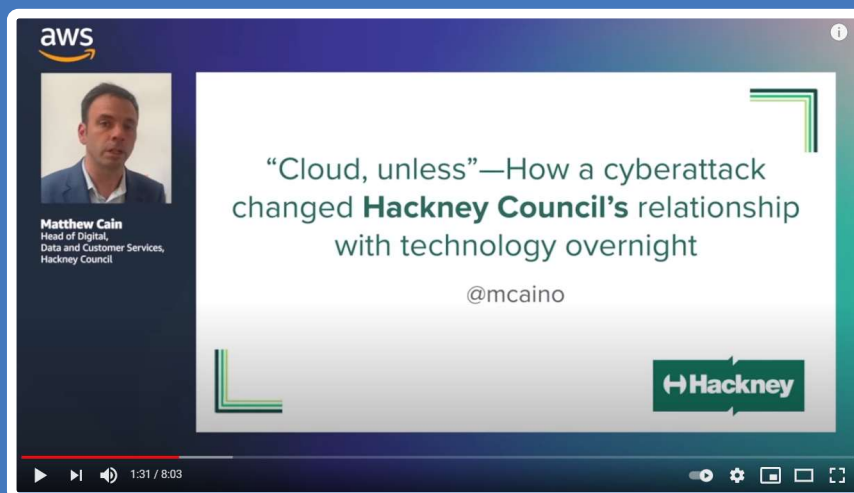
38

# Automatic Auditing of Changes



39

# The Public!



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

40

# Connected with the Future



CAUSEWAY

41

# Sensors and IOT

**ALLOY**

Activities  
Open Jobs: 0  
Closed Today: 0

Budgets  
Budgets: 0  
Budget periods: 0

Designer: 65  
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 topics

- 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 ROAD PUB, ON WALKWAY ROAD PUB, NEXT TO BRN BY THE BRIDGE

CAUSEWAY

42

## Workflows using Sensor Data



CAUSEWAY 

43




44

### Highland Council set to buy robot lawnmower for Inverness

By Neil MacPhail - neil.macphail@hnmmedia.co.uk  
Published: 21:00, 28 August 2019

Easier access to your trusted, local news. Subscribe to a digital package and support local news publishing. → [Learn more](#)




### Council's new robotic mower boosts safety and efficiency

18 Nov 2022


Council's purchase of a new robotic mower will increase safety and productivity across its mowing operations and assist in the maintenance of its waste management facilities.

### DGM TEAM UP WITH DEVON COUNCIL FOR ROBOTIC TRIAL

Ambrogio robot mowers maintaining pitches



East Devon District Council have partnered with **Devon Garden Machinery** to have **Ambrogio** robot mowers installed into a key site to autonomously maintain pitches, freeing up staff for other duties.



45

## Any Asset


**ALLOY**

← Back

Create design

Design type  
What kind of design are you creating?

- Asset
- Component
- Custom
- Defect
- Inspection
- Item lookup




Search

Networks 23 results

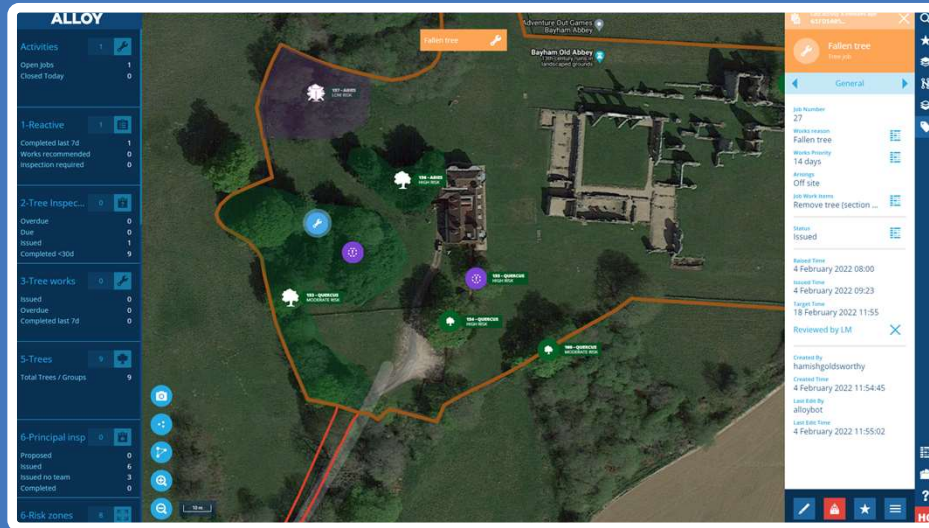
- Bury Asset Groups 1 style
- Bury CW Network 6 styles
- Bury Operational A... 2 styles
- CW Hierarchy 6 styles
- Carriageway Condi... 6 styles
- Contractor Operati... 9 styles
- Customers 2 styles
- Embankments 1 style
- Flood Risk Zones 2 styles
- Harvesting Areas 3 styles
- Harvesting Progress 2 styles
- Harvesting Site 1 style
- Harvesting Grass Cur... 6 styles
- Harvesting Mechanis... 3 styles
- Leamington 1 style
- User Bios

Add layer



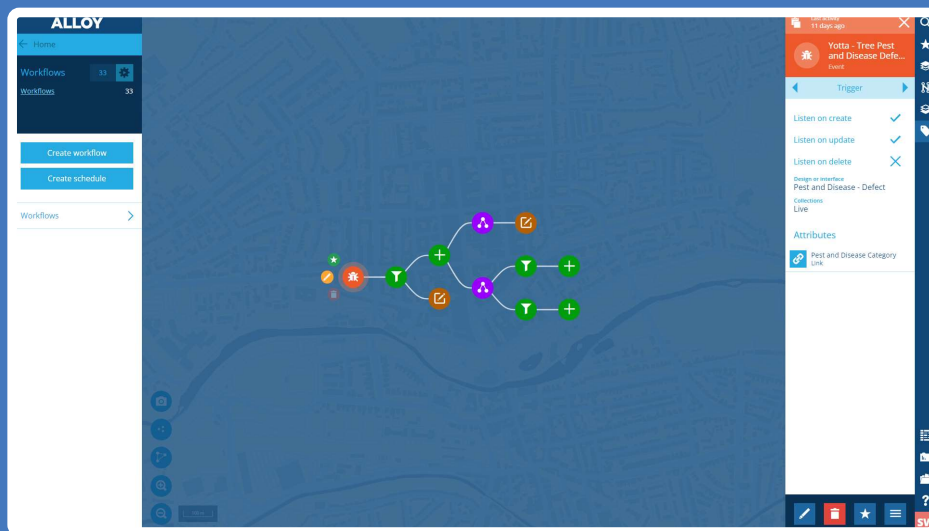
46

# Any Activity



47

# Any Workflow



48

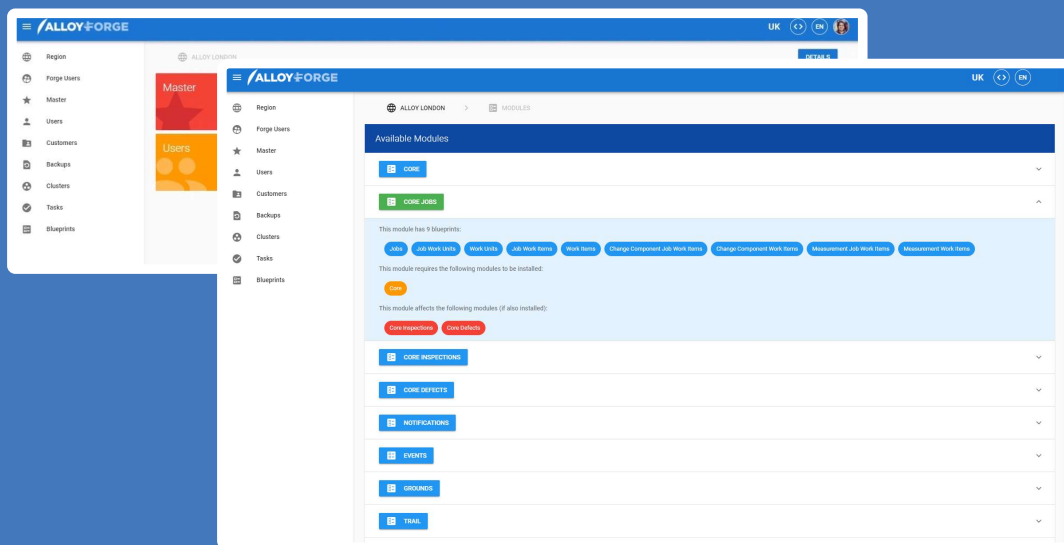


# Any Reference Network



49

# Best Practice Blueprints



50

## Continue the Discussion



steve.white@causeway.com



07464 486735



<https://uk.linkedin.com/in/steveatwhitehome>

CAUSEWAY 