ALLOY

Tree & Greenspace Management

CONNECTED ASSET MANAGEMENT FROM YOTTA



SOFTWARE AND SERVICE SILOS



SOFTWARE AND SERVICE SILOS





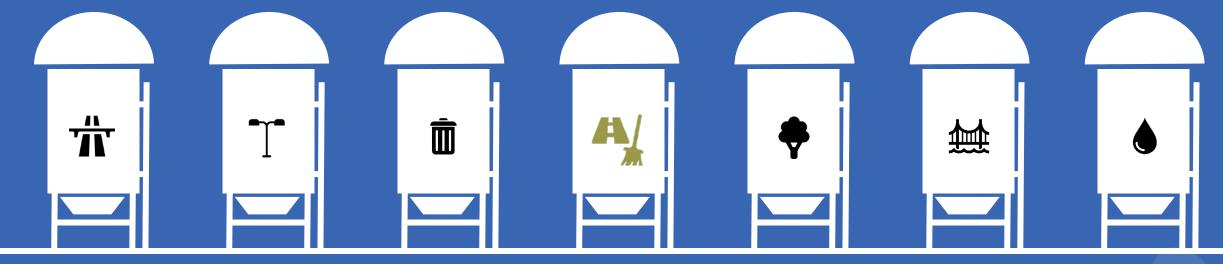












RATIONALISATION OF SYSTEMS





Interesting Times...

Cloud Computing

Public Expectations of Service

Software focus shift from pure productivity to connecting and sharing data

Climate Emergency

Covid

Shifting balance to Green Assets



Challenges

- Decentralised historic & current data
- X Variable data quality
- Inaccurate tree/zone location data
- Unable to share data
- No GIS/mapping for inspections
- Errors in works undertaken
- Unable to search or analyse
- Limited traceability of changes





DATA GOVERNANCE







MONITOR



MAINTAIN

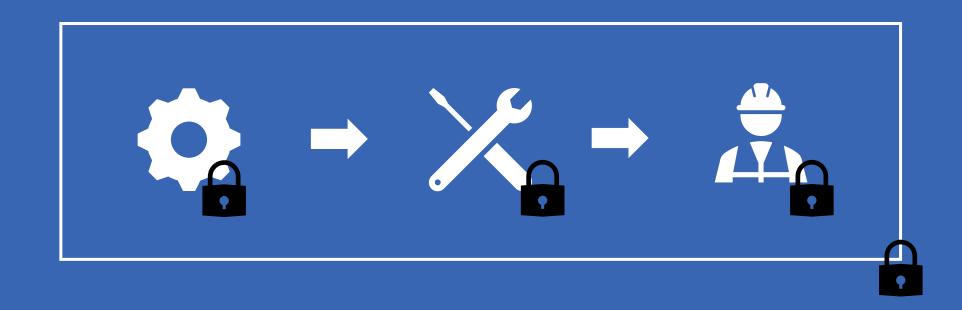


Data

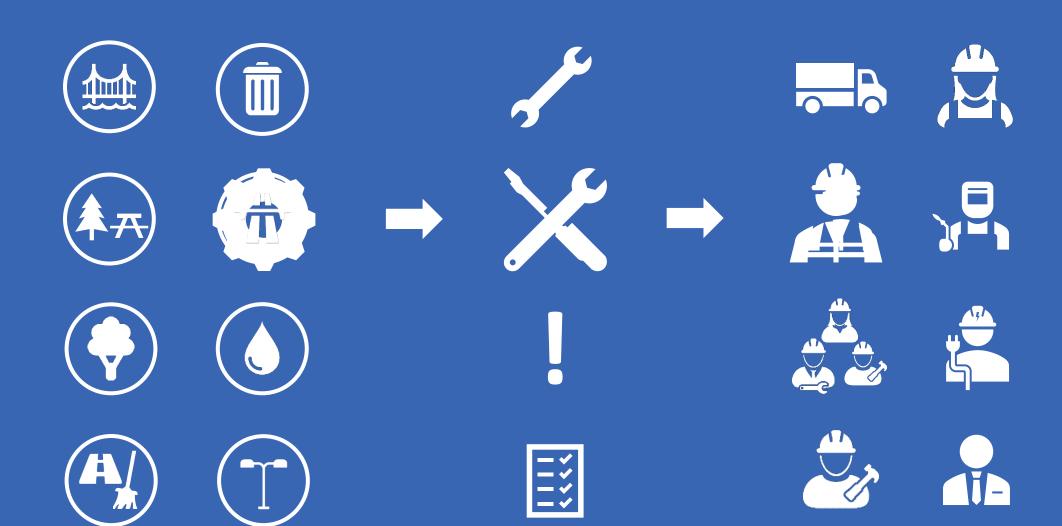
- The importance of good Data Governance-"You can do it now, or you can do it when your hair is on fire"
- Stewardship
- Data Maturity
- Quality/Accuracy/Availability
- Standardisation



Traditional Architecture Vs Alloy



Alloy Architecture

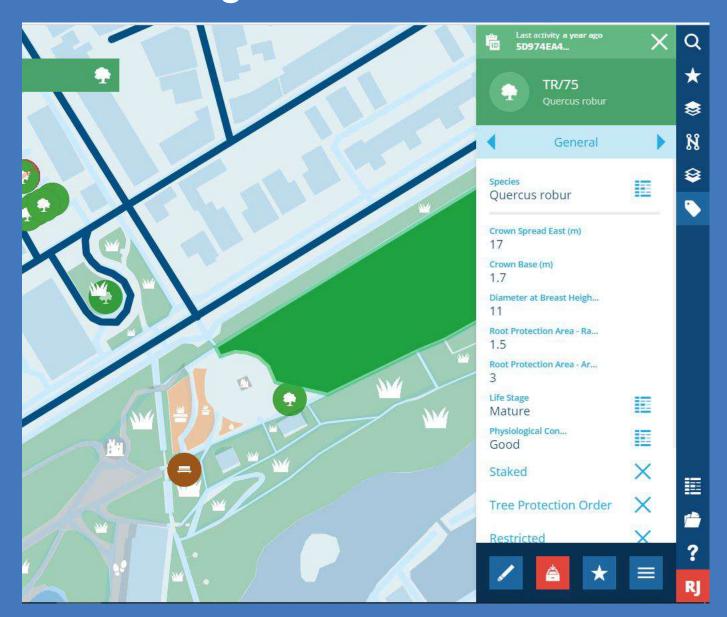


Data Designer





Data Designer





Data Audit



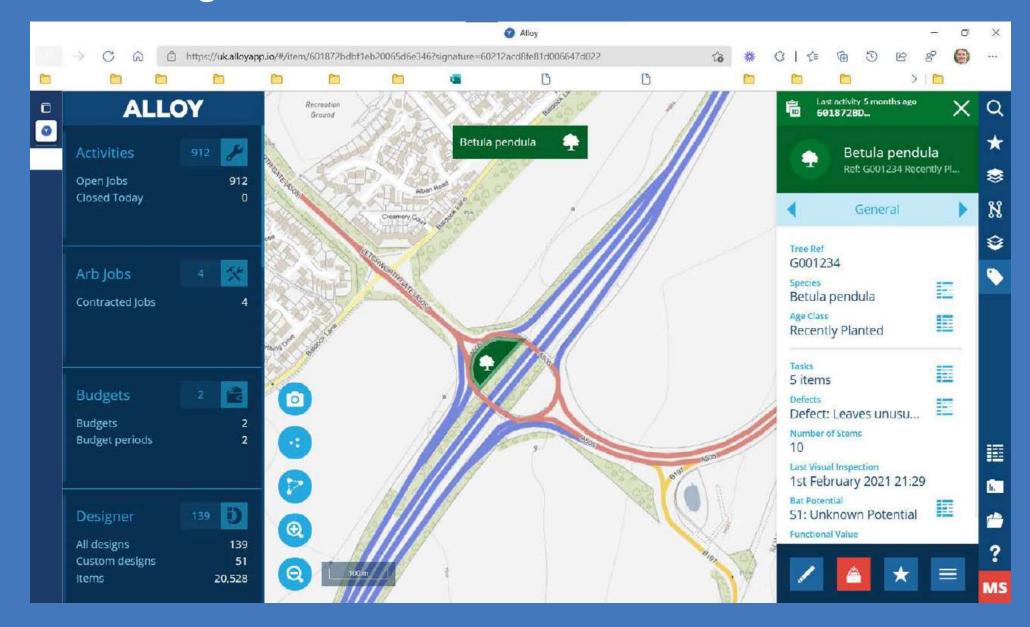


Manage- Visualisation of Data

- Tree and Greenspace asset locations
- Data Held
- Ownership



Manage Locations





Manage Layers



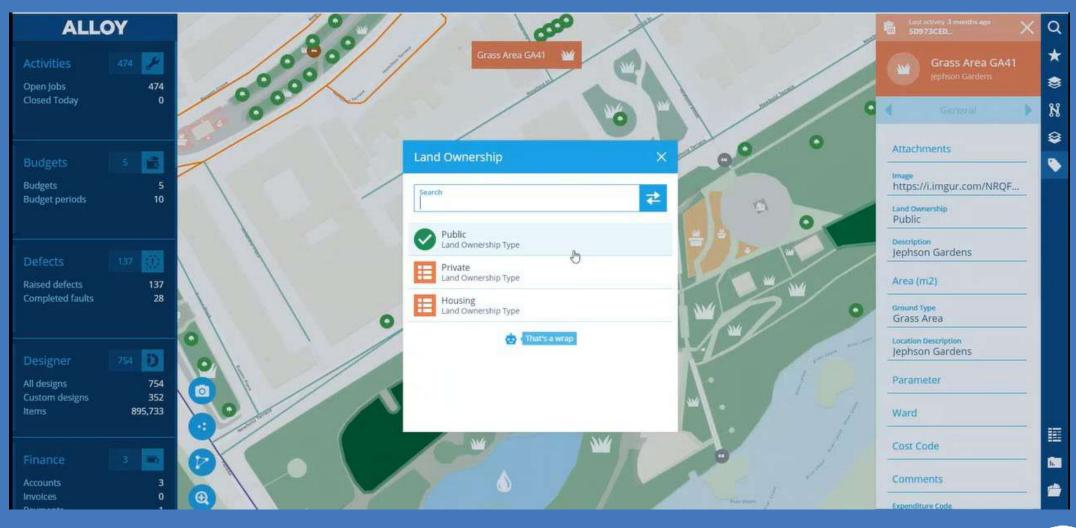


Manage Important Data





Manage Ownership



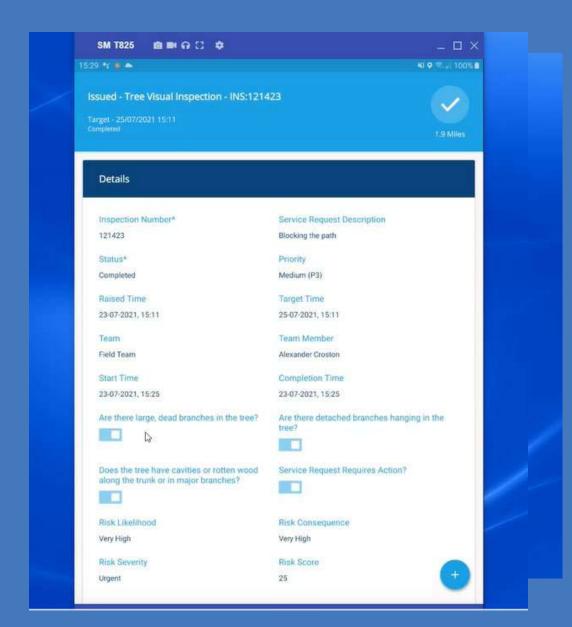


Maintain

- Activity
- Reactive and Planned

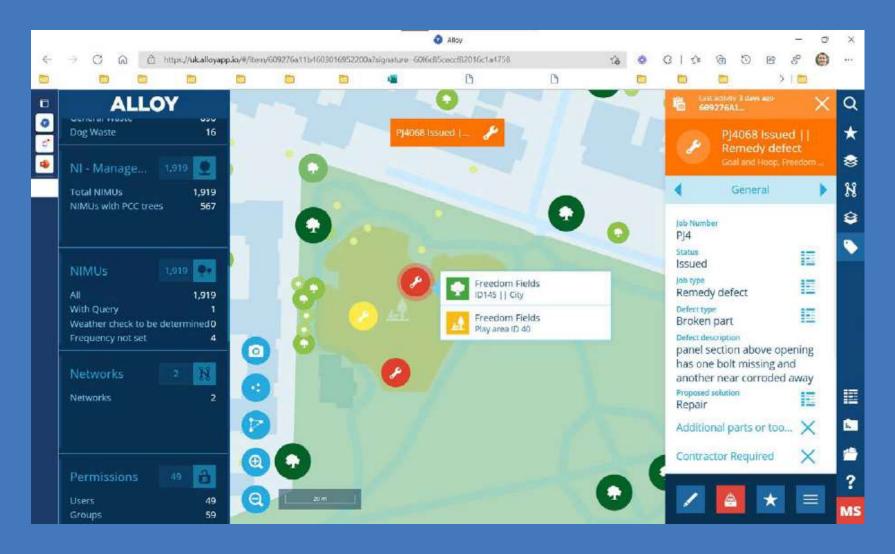


Maintain- Mobile Jobs and Service Requests





Maintain-Track and Visualise Jobs



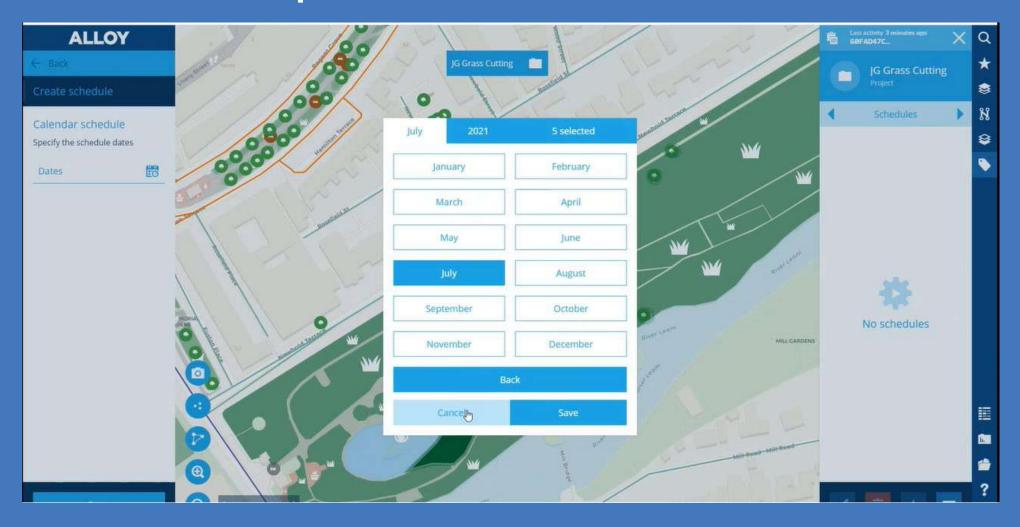


Monitor

- Scheduled Inspections
- Public Interaction
- IoT

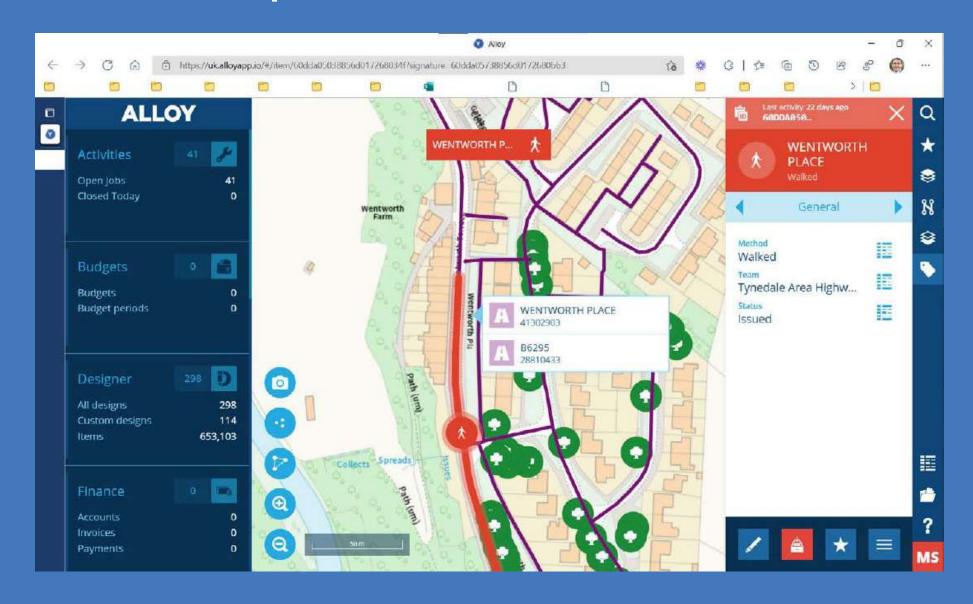


Monitor-Inspections and Schedules



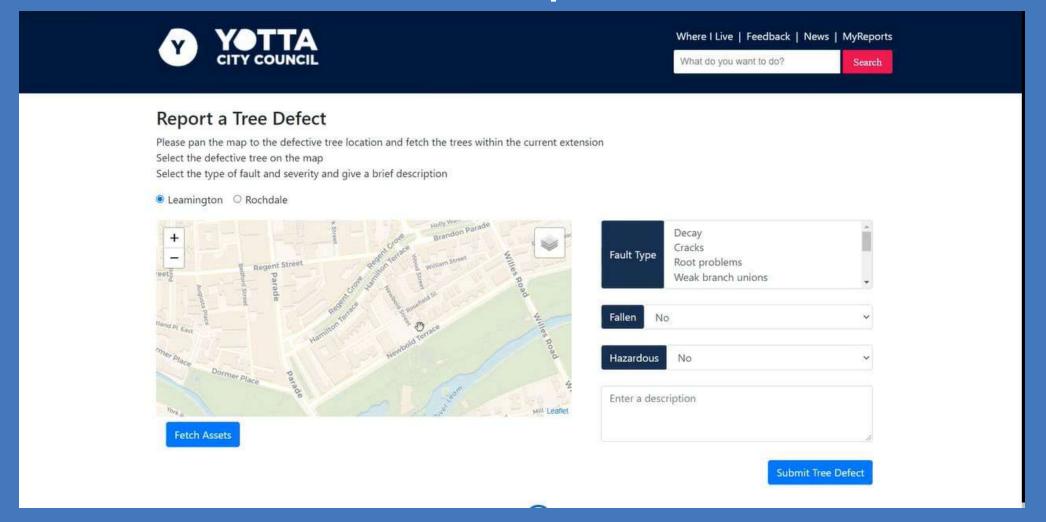


Monitor-Inspection Routes





Monitor- Public Service Requests





In Summary...

- Decentralised historic & current data
- X Variable data quality
- Inaccurate tree/zone location data
- No GIS/mapping for inspections
- Errors in works undertaken
- Unable to search or analyse
- Unable to share data
- Limited traceability of changes

- Centralised historic & current data
- Standardised data model
- Accurate tree/zone location data
- Integral mapping for all activity
- Correct work undertaken
- Powerful search and analysis
- All data able to be shared
- Full audit and traceability



Available and Connected Tree and Greenspace Data



Thanks for listening!

