



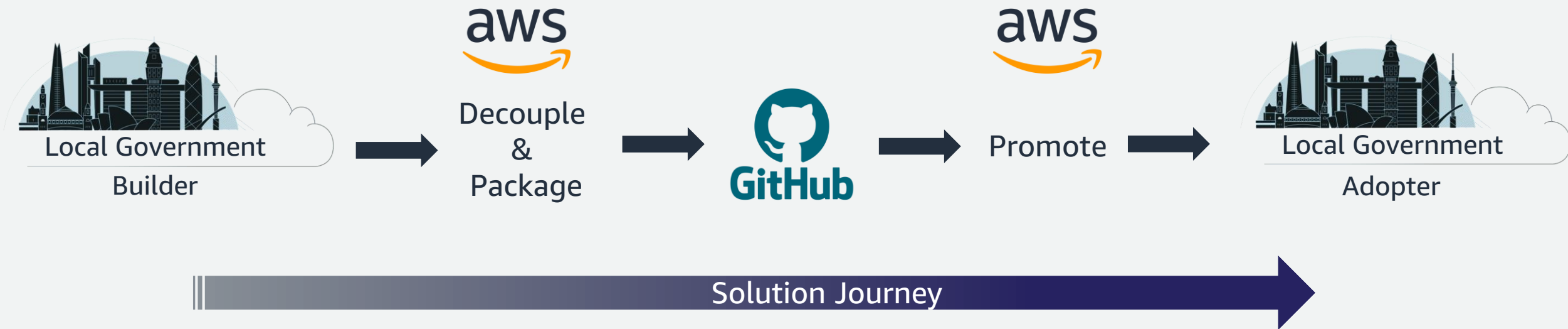
LocalGovCamp – North East

AWS and Local Authorities are collaborating to create a catalogue of Opensource, reusable solutions to accelerate digital transformation

Jason Nemits

Account Manager – Local Government

AWS Solution Incubator



Illegal waste management

My Neighbourhood

Petitions

Document Translate

Local Gov Drupal

Low Code Platform

Fire Safety

Building Safety

Population Management

Estate Management

Garage Applications

Business Improvement Districts

Chatbot for Local Gov

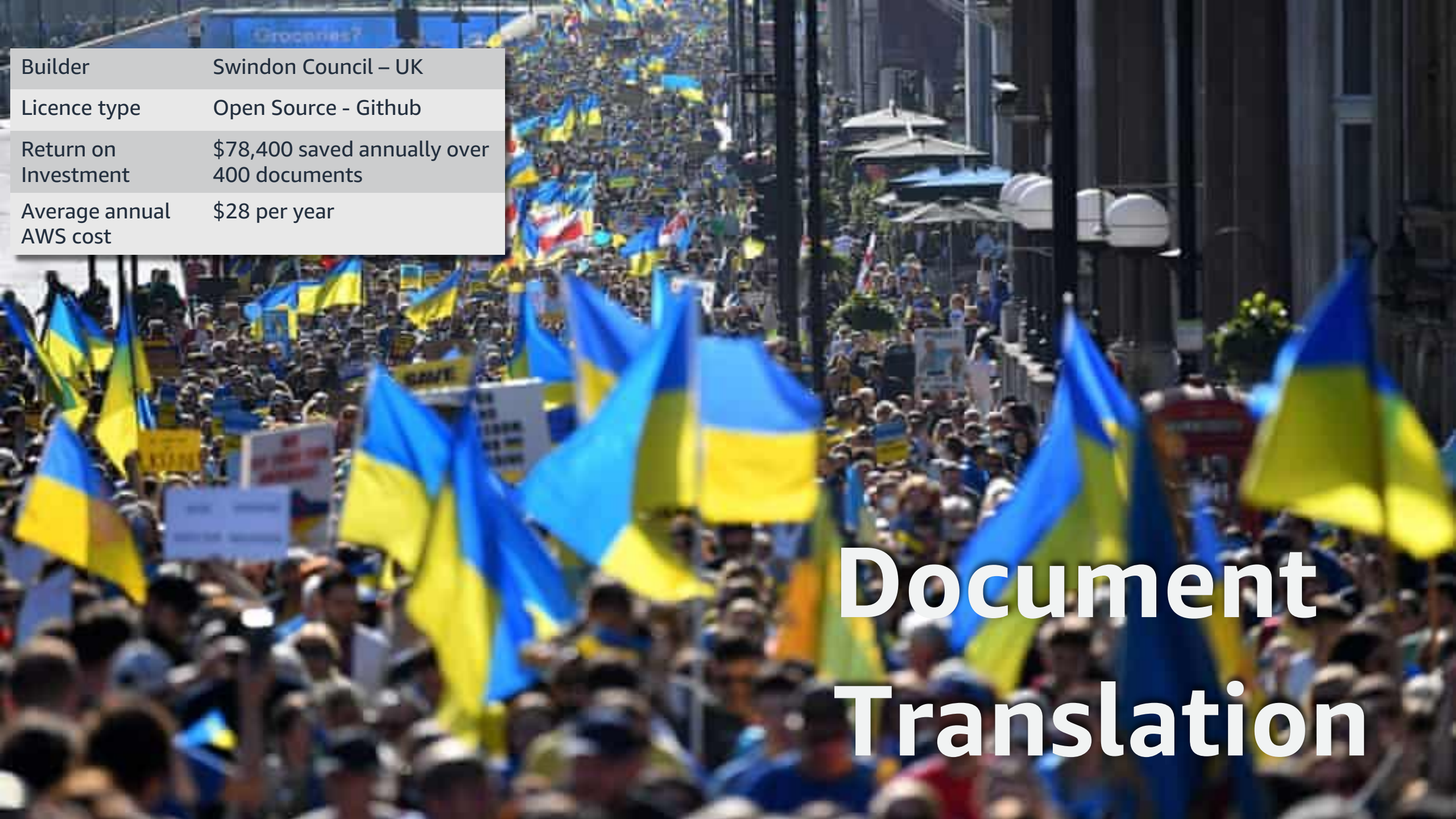
Assisted Living - Clearview

H1 2023 Solutions

Illegal dumping of waste

Builder	Swindon Borough Council - UK
Licence type	Open Source – Github
Return on Investment	\$37,000 saved annually with 300 fly tips per month
Average monthly AWS cost	\$230
Language	Ruby on Rails





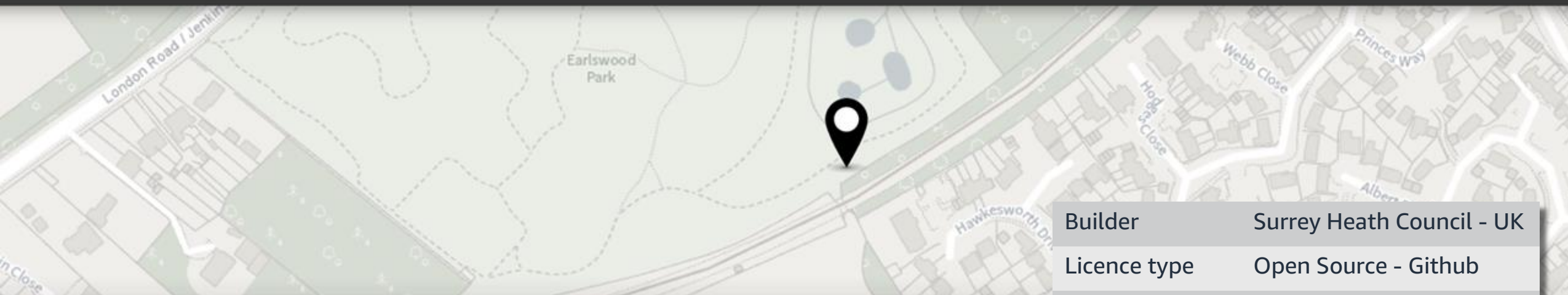
Builder	Swindon Council – UK
Licence type	Open Source - Github
Return on Investment	\$78,400 saved annually over 400 documents
Average annual AWS cost	\$28 per year

Document Translation



Learn more about your location

Enter an address or postcode to find information about that area



GIS citizen portal

showing information about:
"1 Hodges Close"

GU19 5QS

CHANGE LOCATION

Builder	Surrey Heath Council - UK
Licence type	Open Source - Github
Return on Investment	\$24,500 saved annually
Average monthly AWS cost	\$60
Language	React



Housing

Help improve this site by giving your [feedback](#)

[Home](#) > [Housing](#) > [Council tenants](#) > [Neighbourhood services](#) > [Apply to rent a garage](#)

Apply to rent a garage

We manage lock-up garages across the borough. Apply below to rent a garage.

Who can use this service

This service can be used by:

- Lambeth Housing tenants and leaseholders
- non-council tenants and homeowners (all other Lambeth residents)

Costs for this service

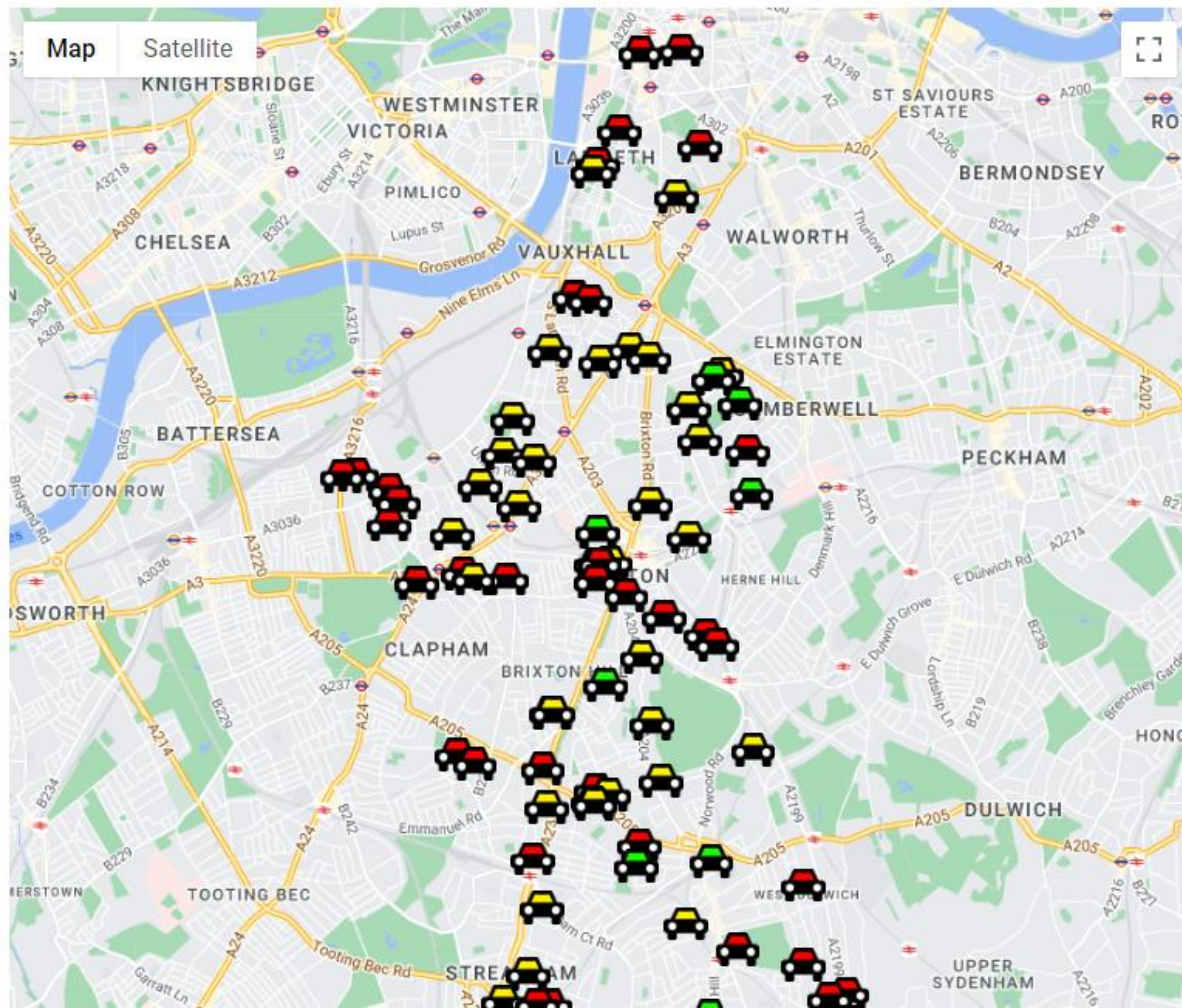
Garages cost:

- £19 per week for Lambeth Council tenants
- £22.50 per week for Lambeth Council leaseholders

Non-residential rentals - Garage & Parking

Garage application: Availability

You can use this form to apply for a garage. The council owns garages throughout the borough, on private streets and in housing estates. We rent these to tenants, leaseholders and private individuals.



Details of 99 locations

Name Any garage

Available 212

[Apply](#)

Name ACRE HOUSE FLATS

Address Lambeth Housing Estates, London, SW2 5TN

Available 1

[Apply](#)

Name ALEXANDRA WALK ESTATE

Address Lambeth Housing Estates, London, SE19 1AL

Available 0

[Apply](#)

Name ARGYLL COURT ESTATE

Address Lambeth Housing Estates, London, SW2 4UL

Available 0

[Apply](#)

Name ARLINGTON LODGE ESTATE

Address Lambeth Housing Estates, London, SW2 1RE

The Workshop Brief

We are keen to better exploit the technology available to us, use data insights and service design techniques more effectively to help improve public service delivery. We want to focus on making public services fit-for-purpose and customer-centric.

Participants are tasked with reviewing a resident-facing service, taking it from traditional legacy-based provision, to a flexible, user-centred design.

Create a flexible, user-centred solution

1. What is the current resident-facing service, and what insights do we have?
2. What is the prevailing customer problem or opportunity?
3. What is the solution and the most important customer benefit?
4. How do we describe the solution and the experience to customers?
5. How do we test the solution with customers and measure success?



Thank you!

`jnnemits@amazon.com`



Swindon Borough Council

Digital Transformation of Illegal Waste Reporting

The flytipping problem

300+
Flytipping cases per
month



The Streetsmart team deal with more than **300 flytipping cases** a month. When a citizen reports flytipping of tyres on the Ridgeway (large open space) to the Council, the Streetsmart team are faced with not knowing the number of tyres or the type, for example, is there one car tyre or **50 tractor tyres** and whereabouts on the Ridgeway are they?



Highways



Streetsmart

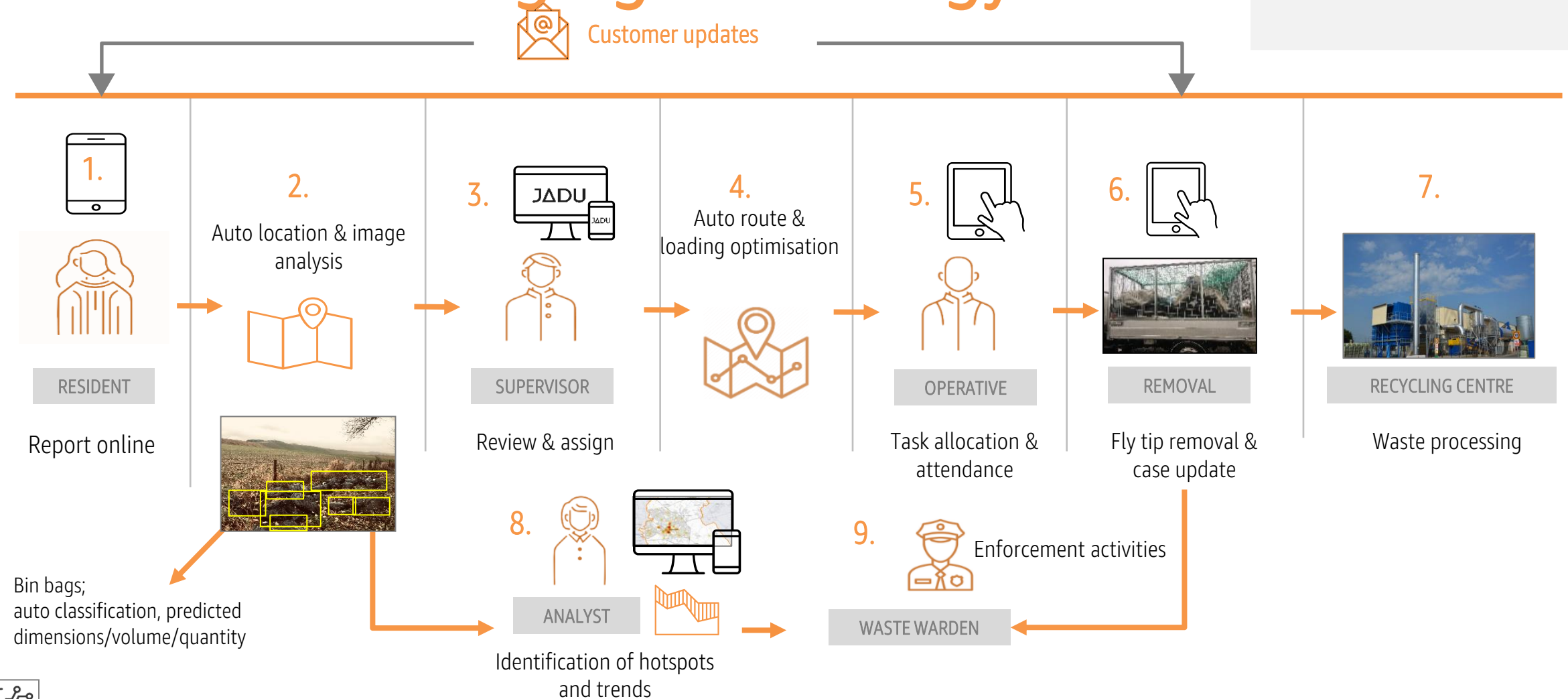
You can immediately see the issues and significant difference in how the team needs to respond to and manage these, often resulting in multiple visits, sometimes unable to locate items and occasionally needing assistance from the Highways team (with bigger vehicles).

Major business challenges

- Lack of precise location data
- Not having accurate 'type' of flytipped item/s (type, size, weight, no. of etc)
- Duplication of reported cases
- Time spent by single team lead managing cases (reallocating non-responsible cases, assessing priority, determining collections, printing cases, updating cases, passing relevant cases on to enforcement)
- No route or collection optimisation
- Citizens needing to create an account to report an item
- No way to easily identify hotspots, trends and patterns
- No mobile working solution/s

Innovative emerging technology

 Using an intelligent Report-It service to improve the reporting, removal and enforcement of flytipping



 Emerging technology includes: Dynamic and interactive localised geospatial visualisation, automatic submission of consent-based location data from smart device via image, deep neural network models utilising intelligent deep machine learning technology (a sub-field of Machine Learning and a significant branch of Artificial Intelligence) and integration of this into an intelligent data pipeline

Emerging Technologies

Go live

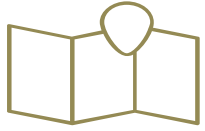


Emerging Technologies

Benefits Overview



Easier for citizens to report



Accurate location information



Type, volume, quantity & dimensions information



Optimised collection routes



Improved data for analysis



Increased resolved first time



Cleaner Swindon



Reduction in emissions



Reduction in complaints



Improved report to response times

Extensibility opportunities:

- Graffiti
- Hypodermics
- Potholes
- Fallen trees
- Broken lights, signs, equipment
- Light or noise pollution
- Planning breaches
- Street issues; road, footpath, pavement
- + more

Trial conditions and results

Delivered and supported creatively, on-the-ground, during COVID conditions, where we saw, at points up to a 54% increase in flytipping.

- From concept to launch in less than 3 months
- Saves £3,000 a year on fuel costs with a reduction in associated emissions for clean-up crews
- Saves 2,137 staff hours
- Reduces flytipping clean-up time from 10 days to 4
- 98% of citizen survey respondents rated the new system good-excellent and the Streetsmart team say its transformed the way they work
- Extensibility across patterned services: graffiti, fallen trees, abandoned trollies, potholes and more!