

Connected Technologies approach to Recycling and Rubbish

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Services Manager



Making INTERNAL connections

Our initial mantraDATA, DATA, DATA

Where does it reside?

Recognising & removing SILOs

What is our JOINT vision?



Joined up thinking & working with Zones, Professional Service Unit, Customer Services, Recycling, Waste & Fleet, Information Technology, Web Design, Demand & Research, Communications



Route Smart and Fusion “SVOT”

Single version of the truth. In computerized business management, single version of the truth (**SVOT**), is a technical concept describing the data warehousing ideal of having either a single centralised database, or at least a distributed synchronised database, which stores all of an organisation's data in a consistent and non-redundant form.



File Edit View Bookmarks Insert Selection Geoprocessing Customize Windows Help

1:12,500

Sequence

Service_Location

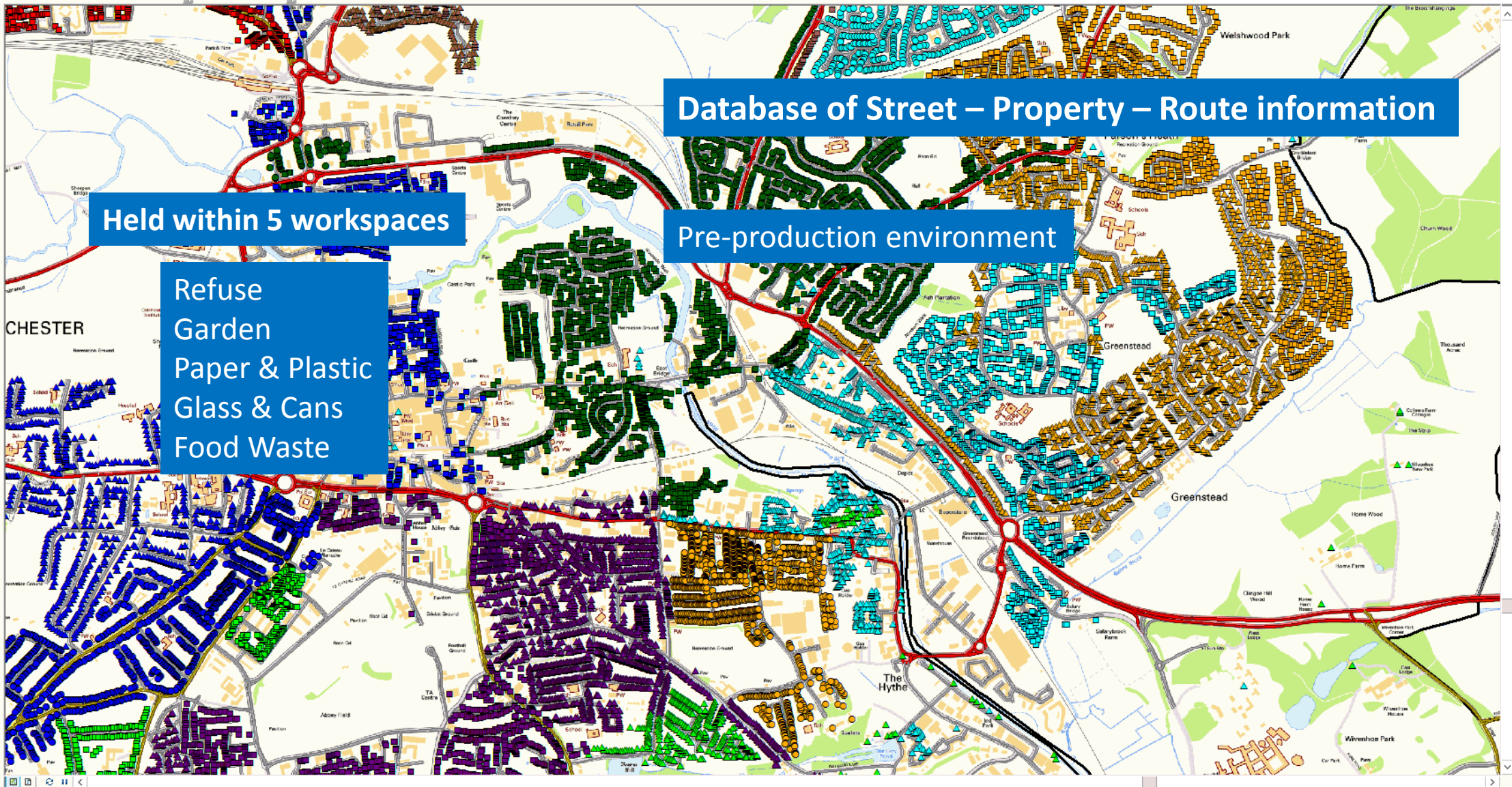
Route

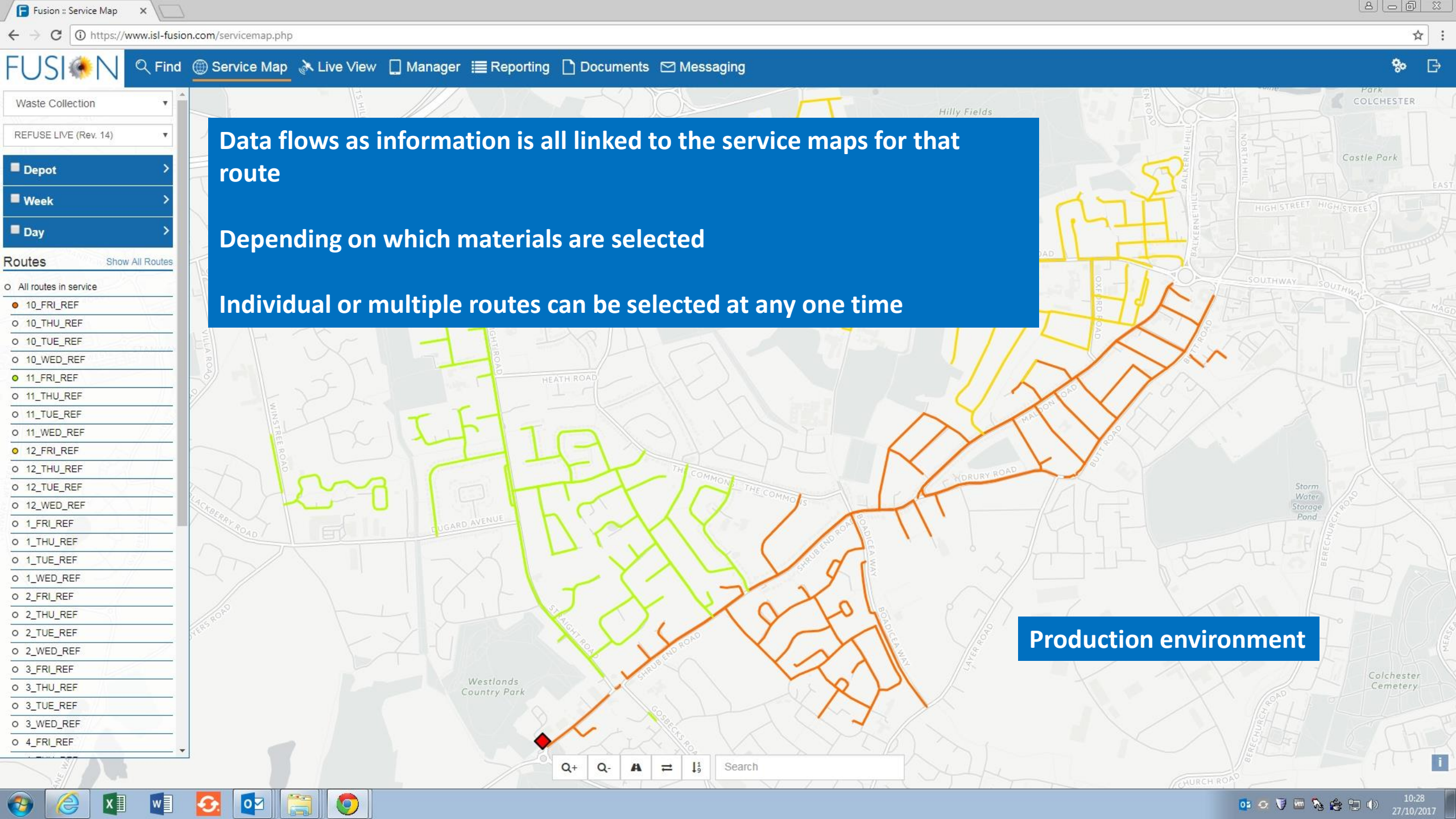
One-way

Table Of Contents

Layers

- C:\RS_Data\Workspace\R
 - ☒ Service_Location
 - ☐ SL_From_25102017
- ☒ Facility
- C:\RS_Data\Workspace\R
 - ☐ Sequence
 - ☐ Travel Path
- C:\RS_Data\Common\gis
 - ☐ GPS_June17
- C:\RS_Data\Common\gis
 - ☒ Streets
 - <all other values>
 - DESCTERM
 - A Road
 - Alley
 - B Road
 - Local Street
 - Minor Road
 - Pedestrianised Stre
 - Private Road - Publ
 - Private Road - Rest
 - ☒ Colchester_Boundary
- WMS OS Map Server
 - ☒ WMS OS Map Server
 - ☒ 10K
 - ☒ 25K
 - ☒ 50K
 - ☒ 250K
 - ☒ Miniscale



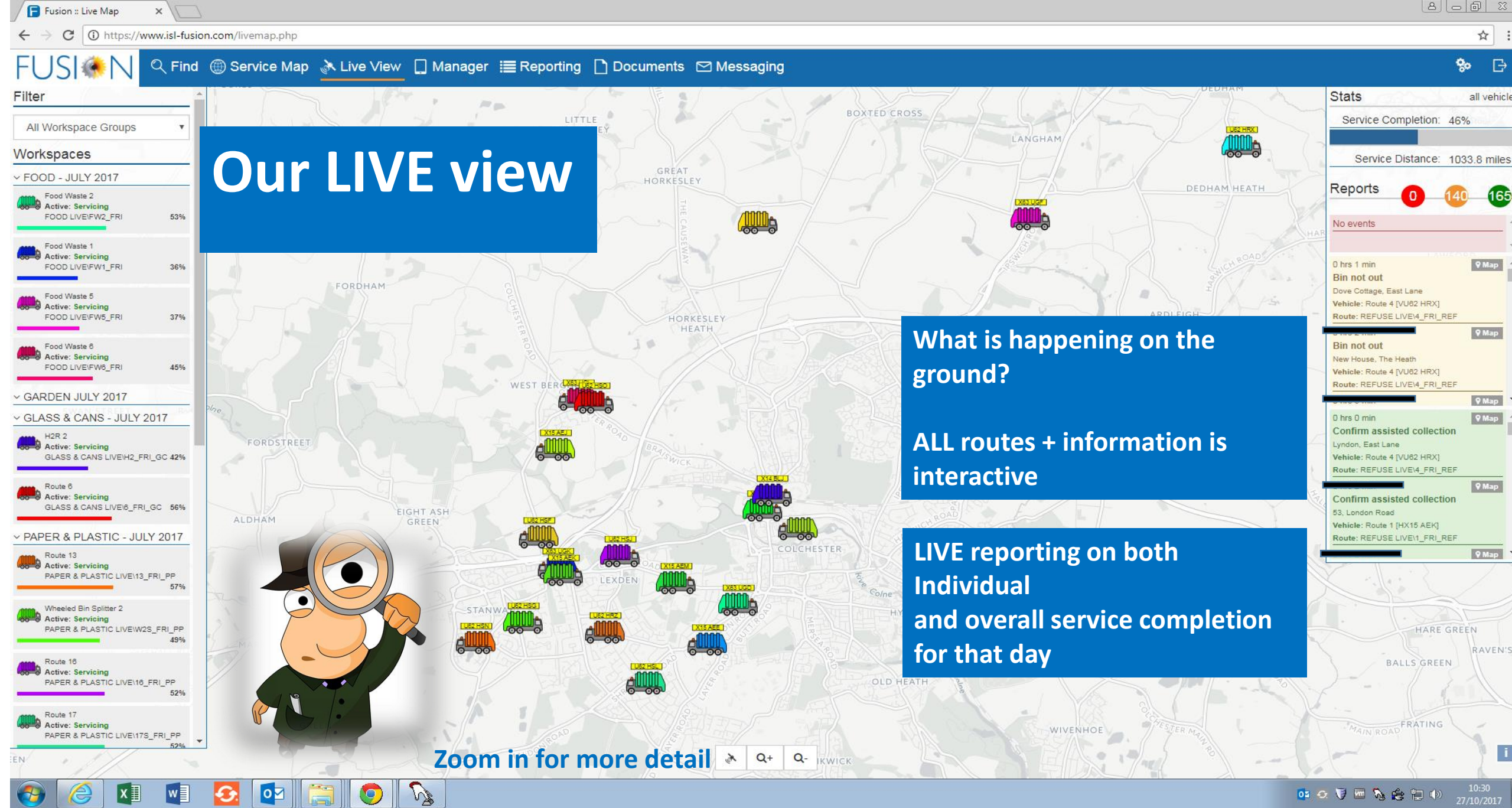


Data flows as information is all linked to the service maps for that route

Depending on which materials are selected

Individual or multiple routes can be selected at any one time

Production environment



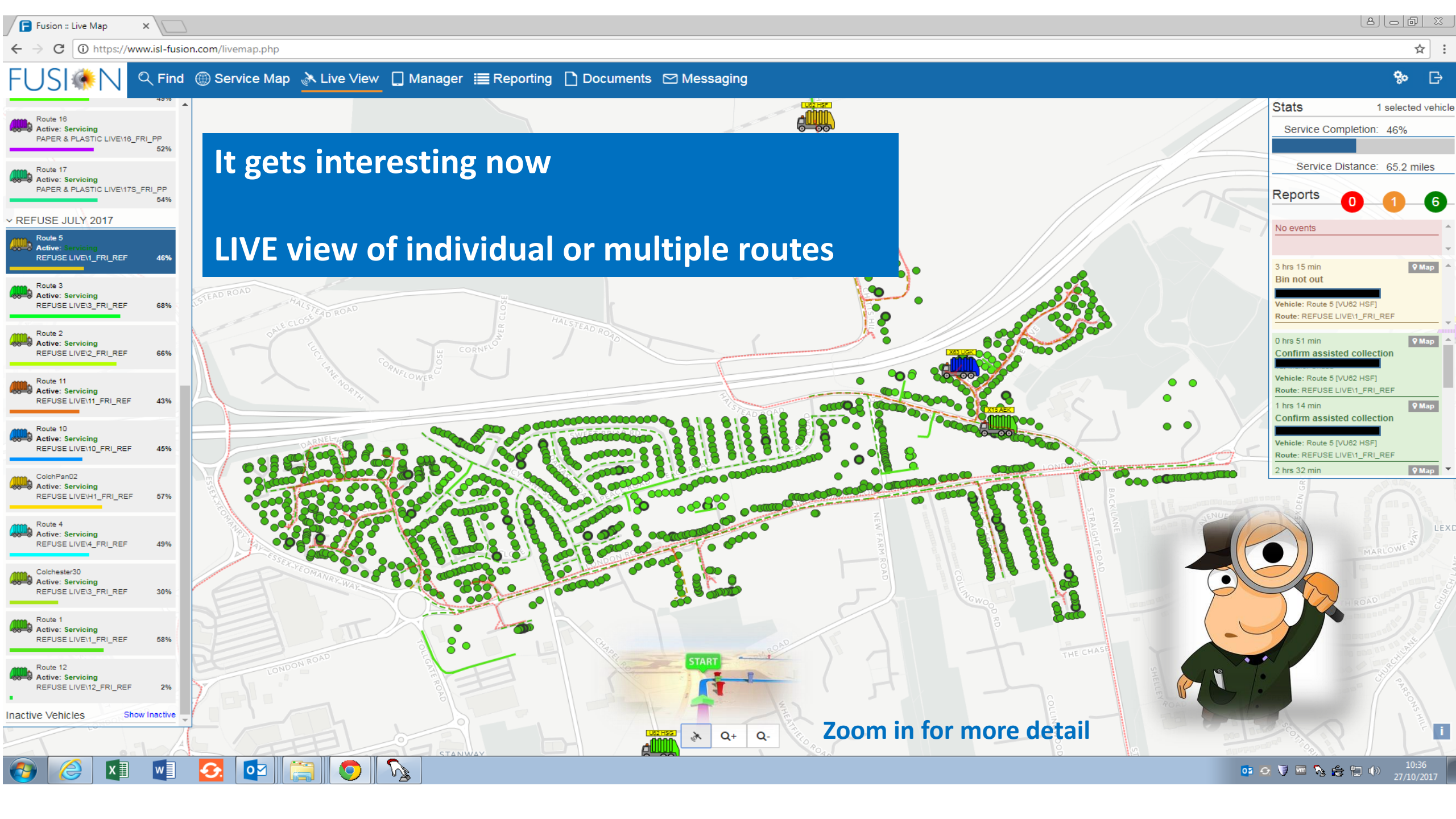
Our LIVE view

What is happening on the ground?

ALL routes + information is interactive

LIVE reporting on both Individual and overall service completion for that day

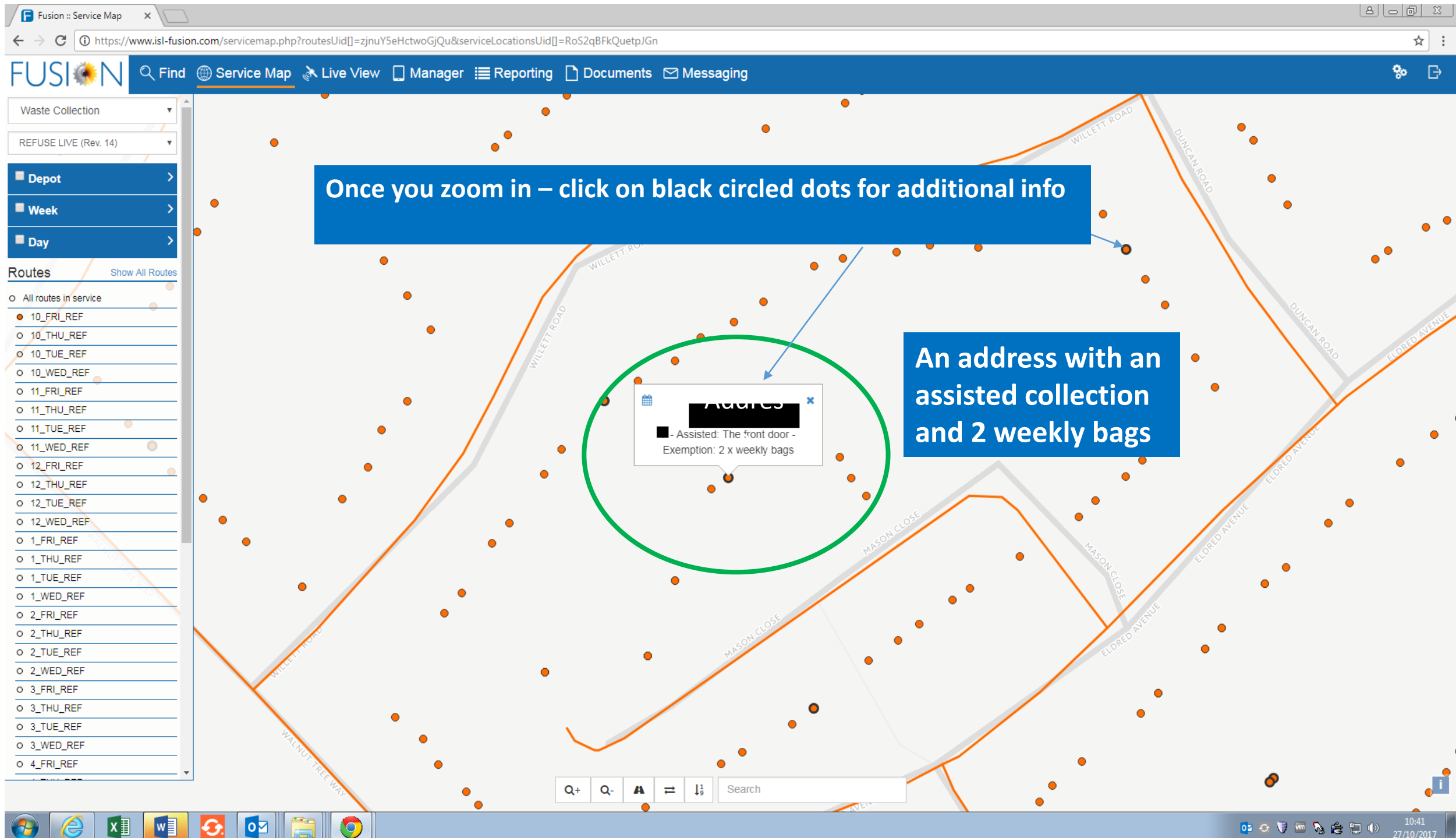
Zoom in for more detail



It gets interesting now

LIVE view of individual or multiple routes

Zoom in for more detail



Find

Service Map

Live View

Manager

Reporting

Documents

Messaging

Find

Service Map

Live View

Manager

Reporting

Documents

Messaging

USION

Find

Service Map

Live View

Manager

Reporting

Documents

Messaging

PAPER & PLASTIC - JULY 2017

PAPER & PLASTIC LIVE (Rev. 13)

oute: 17S_FRI_PP

ote: 7 - Assisted: The front door

ast Serviced: 13 October 2017 11:33:02

OOD - JULY 2017

OOD LIVE (Rev. 13)

oute: FW2_FRI

ote: 7 - Assisted: The front door

ast Serviced: 20 October 2017 13:19:17

GLASS & CANS - JULY 2017

GLASS & CANS LIVE (Rev. 13)

oute: 14_FRI_GC

ote: 7 - Assisted: The front door

ast Serviced: 20 October 2017 14:12:56

GARDEN JULY 2017

GARDEN LIVE (Rev. 13)

oute: 10_FRI_GRN

ote: 7 - Assisted: The front door

ast Serviced: 13 October 2017 15:06:45

EFUSE JULY 2017

EFUSE LIVE (Rev. 14)

oute: 10_FRI_REF

ote: 7 - Assisted: The front door - Exemption: 2 x weekly bags

ast Serviced: 6 October 2017 13:33:42

Service History

onfirm assisted collection

ehicle: Route 11

oute: 10_FRI_REF

ate: 20 October 2017 14:28:08

onfirm assisted collection

ehicle: Route 14

oute: 14_FRI_GC

ate: 20 October 2017 14:13:23

in not out

ason close

ehicle: Route 10

Monday

23rd October

Tuesday

24th October

Wednesday

25th October

Thursday

26th October

Friday

27th October

Saturday

28th October

Sunday

29th October

Monday

30th October

Tuesday

31st October

Wednesday

1st November

Thursday

2nd November

Friday

3rd November

Saturday

4th November

Sunday

5th November

Monday

6th November

Tuesday

7th November

Wednesday

8th November

Thursday

9th November

Friday

10th November

Saturday

11th November

Sunday

12th November

Monday

13th November

Tuesday

14th November

Wednesday

15th November

Thursday

16th November

Friday

17th November

Saturday

18th November

Sunday

19th November

Monday

20th November

Tuesday

21st November

Wednesday

22nd November

Thursday

23rd November

Friday

24th November

Saturday

25th November

Sunday

26th November

17S_FRI_PP

FW2_FRI

10_FRI_GRN

FW2_FRI

14_FRI_GC

10_FRI_REF

17S_FRI_PP

FW2_FRI

10_FRI_GRN

FW2_FRI

14_FRI_GC

10_FRI_REF

17S_FRI_PP

FW2_FRI

10_FRI_GRN

LIVE service reports

Individual property information

Collection Days

Materials

Collection Routes

Assisted Collections

Exemptions

HMOs

Collection points

FUSION becomes our SVOT

Data set & view for our whole organisation

Route 10 Garden wouldnt load so runlignon refuse	27 October 2017 07:07:54	Message
Route 2 3 5 7 9 vortex not out	27 October 2017 06:46:46	Message
Wheeled Bin 1 Splitter Breakdown	25 October 2017 12:54:45	Message
Route 8 (VU62 HSA) Route 7 Breakdown	25 October 2017 09:50:22	Received
Wheeled Bin 1 Splitter (VU62 HSE) Route 7 Breakdown	25 October 2017 09:50:22	Received
Route 6 (VU62 HSO) Route 7 Breakdown	25 October 2017 09:50:22	Received
Route 5 (VU62 HSF) Route 7 Breakdown	25 October 2017 09:50:21	Received
Wheeled Bin 1 Splitter (VU62 HSE) Breakdown	24 October 2017 12:18:27	Received
Route 7 (VU62 HSD) Breakdown	24 October 2017 12:18:27	Sent
Route 6 (VU62 HSO) Breakdown	24 October 2017 12:18:27	Received
Route 5 (VU62 HSF) Breakdown	24 October 2017 12:18:26	Received

FUSION

Find Service Map Live View Manager Reporting Documents Messaging

Live Reports View Reports Service History

View live reports as they come in.

Filter by workspace group: All Workspace Groups

Last updated: 9 November 2018 08:02:28

High

Medium

Low

High

Medium

Low

High

Medium

Low

LIVE interaction with crews

Messaging BOTH ways

To & From in-cab unit

View live reports as they come in

Prioritise
High
Medium
Low

**Technology
has driven
customer
expectations**



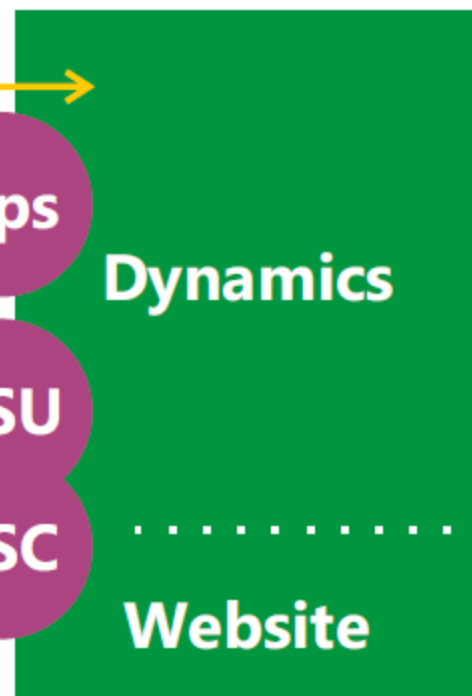


RouteSmart holds all information in 5 workspaces:

- Refuse - Garden - Paper & Plastic
- Glass & Cans - Food

Any information and changes are made in the relevant RouteSmart workspace.

The information is packaged and uploaded to Fusion which holds route and mapping records

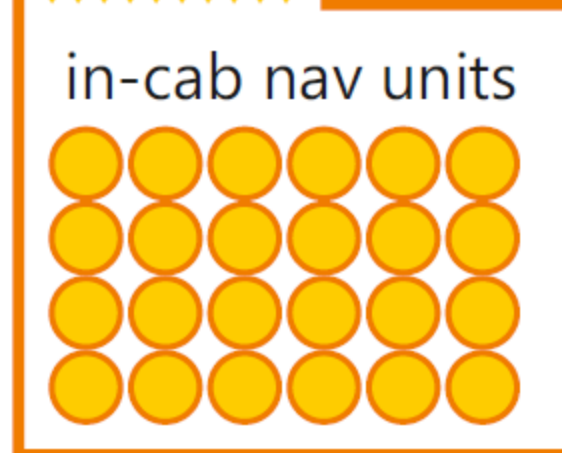


CSC Operators can view the Fusion system to check routes and collection progress.

An interface to feed back the in-cab responses is being completed.

Missed collections are logged in Dynamics

Dynamics links to the website for customer and property records.



Crews receive details of Assisted, Exemptions, HMO and new properties via the in cab unit.

Crews can message back the status of any collections and materials at the kerbside.



CHECK MY COLLECTION DAY

Blue week? Green week? Check your collection day for your recycling and rubbish collection and find handy information on where to get recycling containers, your Zone Team & more.

You are in Zone 3

This Weeks Collection is

BLUE WEEK

Current day of Collection: Tuesday

We collect all recycling and rubbish between 7am - 5pm.

We collect the following on a Blue Week:



Cans & Tins



Glass



Food Waste



Household Rubbish

[FIND OUT MORE >](#)

Followed by

GREEN WEEK

Current day of Collection: Tuesday

We collect all recycling and rubbish between 7am - 5pm.

We collect the following on a Green Week:



Garden Waste



Plastics



Paper & Card



Clothes & Shoes



Food Waste

[FIND OUT MORE >](#)

Since April we have recycled...

55.7%

...of our waste!

RECYCLING CONTAINERS

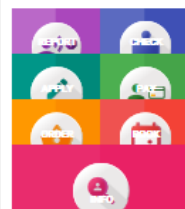
Recycling containers are available from stockists throughout the borough.

Use your address to search for stockists in your zone or you can view a list of all stockists.

[Search for stockists](#)

[View all stockists](#)

Quick Links



Your Zone Team is

Your Zone is: Zone 3

The manager of your Zone Team is:

Brandon Kirk

07817 179275

[Meet the Team >](#)

Stockists of Recycling Bags and Containers in your area

These are the places in your Zone where you can get recycling bags and containers.

We ensure that stock of recycling bags and containers are replenished urgently and on a regular basis.

[Order Garden Bags](#)



Lighters Newsagents, Highwoods Square, Highwoods, Colchester, CO4 9BB



[01206 844149](tel:01206844149)



Opening Hours:

MON - SAT: 7:30am - 5:30pm

What they stock - check before you trek



Green Box for Glass



Clear Recycling Bags



Food Waste Caddies



Food Waste Caddy Liners



White Garden Sacks



Myland Community Council, 101 Nayland Road, Colchester, CO4 5EN



[01206 853400](tel:01206853400)



Opening Hours:

MON, TUES, WED, FRI: 9am - 1pm

What they stock - check before you trek



Green Box for Glass & Cans



Clear Recycling Bags



Food Waste Caddies



White Garden Sacks

[FIND MORE STOCKISTS >](#)

Meet...





REECE CYLER

[Read My Blog](#)

[Learn about the changes](#)

Remember the LIVE reports?


FUSION [Find](#) [Service Map](#) [Live View](#) [Manager](#) [Reporting](#) [Documents](#) [Messaging](#)  

[Live Reports](#) [View Reports](#) [Service History](#)


View live reports as they come in. Filter by workspace group: [All Workspace Groups](#) Last updated: 9 November 2018 09:43:56

High

Medium


 Map (Route FW1_FRI)
Not Out
33, Halstead Road
9 November 2018 09:41:30

2 minutes ago


 Map (Route FW1_FRI)
Road pulled out
Halstead Road
9 November 2018 09:41:09

3 minutes ago

Low

 Map (Route 3_FRI_REF)
Confirm assisted collection
58, Margaret Road
9 November 2018 09:42:03

2 minutes ago

 Map (Route 3_FRI_REF)
Confirm assisted collection
49, Causton Road
9 November 2018 09:41:44

2 minutes ago



RECYCLING AND RUBBISH

Everything you need in one place for your recycling and rubbish collections. Report a missed bin, find out your collection day, find your nearest Recycling Centre and have your questions answered about our service



REPORT

Quick Links



CHECK

Quick Links



APPLY

Quick Links

Since April we have recycled...

55.7%

...of our waste!



PAY

Quick Links



ORDER

Quick Links



BOOK

Quick Links

RECYCLING CONTAINERS

Recycling containers are available from stockists throughout the borough.



Use your address to search for stockists in your zone or you can view a list of all stockists.

Search for stockists

View all stockists



INFO

Quick Links



HOME



MENU



GROWTH
RESPONSIBILITY
OPPORTUNITY
WELLBEING



Home



Business



Our Council



Media Centre

Sign in / Register

Search...

SEARCH



RECYCLING AND RUBBISH

Everything you need in one place for your recycling and rubbish collections. Report a missed bin, find out your collection day, find your nearest Recycling Centre and have your questions answered.



Please enter your postcode or first line of your address

33 Halstead Road

NEXT

REPORT A MISSED COLLECTION

If we have missed a collection of your rubbish or recycling and it was out from 7am on your collection day, you can report it to us here up to 48 hours after it was missed. We will collect any missed collections within 2 working days.

CLOSE



KNOWN ISSUES

Check below to see if an issue has already been reported this week:

TUESDAY

← Back



MISSED BINS

We could not collect all of your recycling and rubbish this week and this cannot be reported as a missed collection because:

It was not out when our rubbish and recycling team attempted to collect it

This information was provided by our recycling and rubbish team on...

09/11/2018 | 09:41:30 am

Please take your containers/bags back on to your property and represent your recycling or rubbish on the next correct Blue/Green Week. You can also take recycling, rubbish and unwanted household items to your local recycling centre. Find details of your nearest one here www.colchester.gov.uk/recycling along with their opening times and what not to bring.

Things you will need

- What rubbish was missed

Important Information

This form will take approximately 2 minutes to complete

If we have missed a collection of your rubbish or recycling and it was out from 7am on your collection day, you can report it to us here.

You can report it up to 48 hours after it was missed.

We will be back to collect within 2 working days.

Simplicity is the key

Online process automatically checks address provided for:

Right week? - Is reported missed collection the right type?

Right day? - Is report within 48 hrs of collection day?

Exception reports – Is there a reason why we didn't collect?

If all ok allows report



Dynamics pushes a collection job directly to collection team via mobile device



How Does it Work



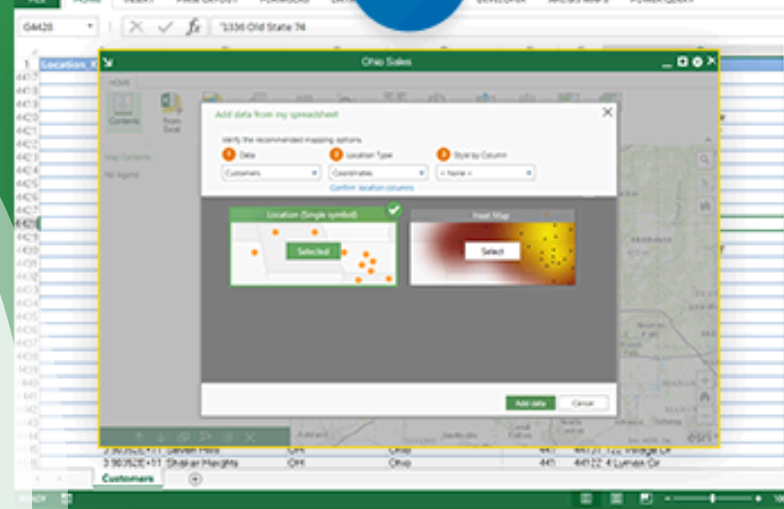


What's next?

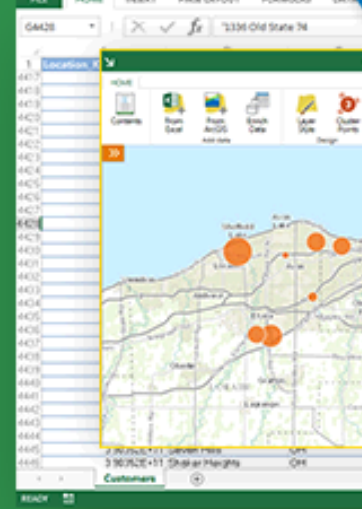
Automating LLPG (DTF)
import of both streets and
properties into RouteSmart

Making Reporting visually
interesting – Heat Mapping

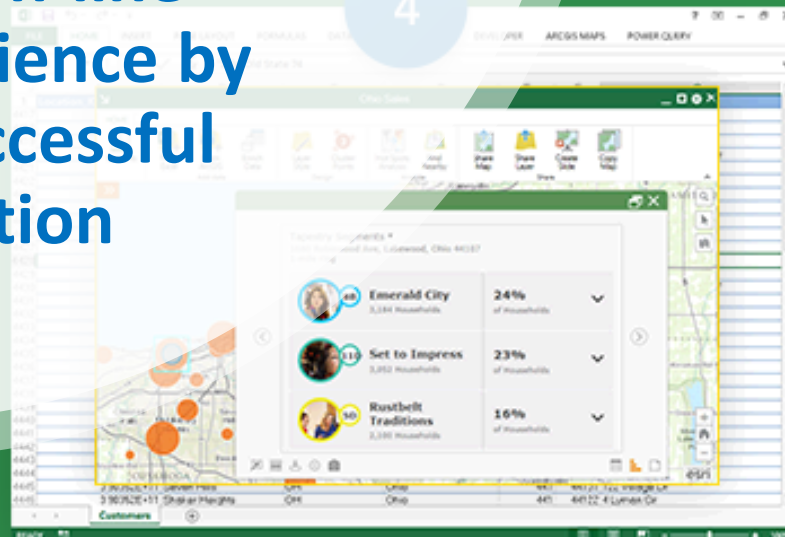
Improving our on-line
customer experience by
adding LAST successful
service information



Choose a Map Style



See Ne



Gain Better Understanding



Tell Your Story



There is only one thing more painful than learning from experience, and that is not learning from experience.

Laurence J. Peter

Only two days ago we picked up on a development area - x3 vehicles on each route

Food / Waste / Recycling

Currently if a vehicle logs an issue with say food it currently stops Dynamics from reporting against further issues within FUSION reporting

We are now using the FUSION API to surface information against a UPRN

What type of missed bin are you raising an issue for?

Food / Garden / Paper & Plastic

Food / Refuse / Glass & Cans

Error Message

No Errors No Errors

ANY
QUESTIONS

