Causeway

WELCOME TO HAUC(UK) 2025

Customer and DSP Insights from the D-TRO Beta

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Causeway Technologies

DATE: 2nd April 2025

Internal

Welcome

Agenda

Intro to Causeway

- Network management at Causeway
- Causeway one.network – industry leader for TTROs

D-TRO data readiness & wider benefits

- Quick overview of D-TRO & current maturity levels
- D-TRO as a catalyst
- Benefits to digitizing now

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INTRODUCTION

Introducing Causeway Technologies

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Our Vision

for a better connected and enabled highways sector

Our ambitions realised in strategic acquisitions

2022

YOTTA
FROM DATA TO DECISIONS

Strategic & Operational Asset Management

2022

referencepoint

Digital ID & Skills Passports

2022

one.network

Connected Road Management

2024

BUCHANAN COMPUTING

Digital Traffic Order Management & Consultancy

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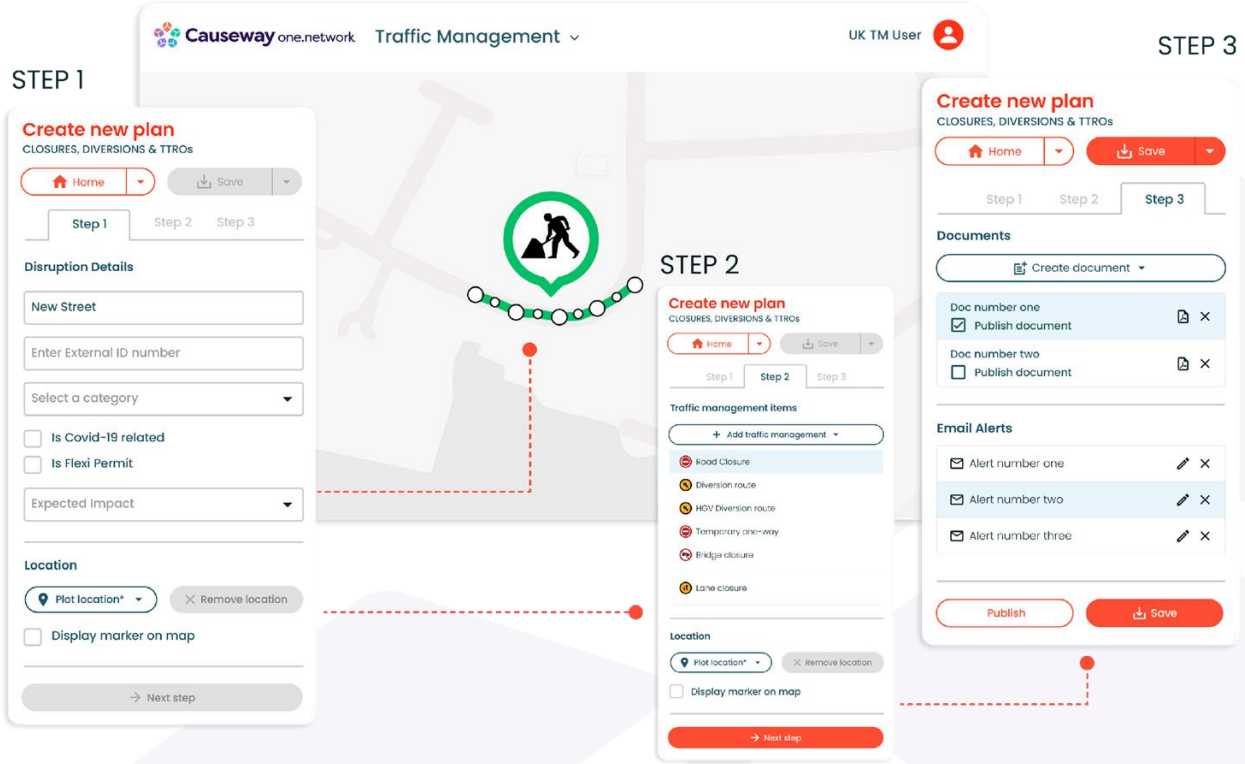
TTROs @ Causeway

Platform introduction

Introducing Causeway one.network:

- Digital workflows for creating, approving, and sharing temporary traffic regulation orders.
- one.network has worked closely with the DfT, as a key TTRO partner in the D-TRO Beta initiative.



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OVERVIEW

D-TRO: What is it and where are we?

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What is D-TRO?

Focuses on these key questions:

- What is the regulation ?
- Where is it happening (geospatial) ?
- When does it occur ?
- Who does it apply to ?

TTRO management today

There are differing levels of sophistication across the sector when it comes to TTROs

“Paper” applications

Many highway authorities (HAs) are still receiving applications for TTROs via word, PDF, and email.

Online digital form

Some HAs receive TTROs through online forms - using homegrown or generic solutions. These are usually text-based.

Input to DSP

After receiving a paper or digital form, some HAs manually digitise TTROs using a digital solution provider.

Full end-to-end

Forward-thinking highway authorities receive & assess digital TTROs from utilities and non-statutory undertakers through Causeway one.network.

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CHANGE

D-TRO as a catalyst: Getting ready for a digital future

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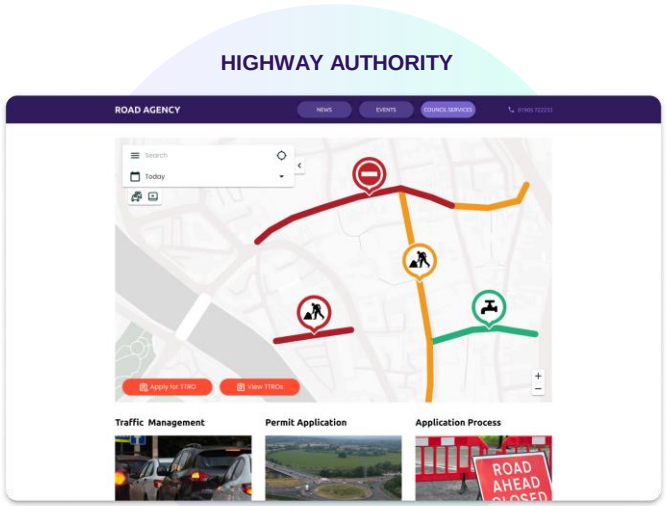
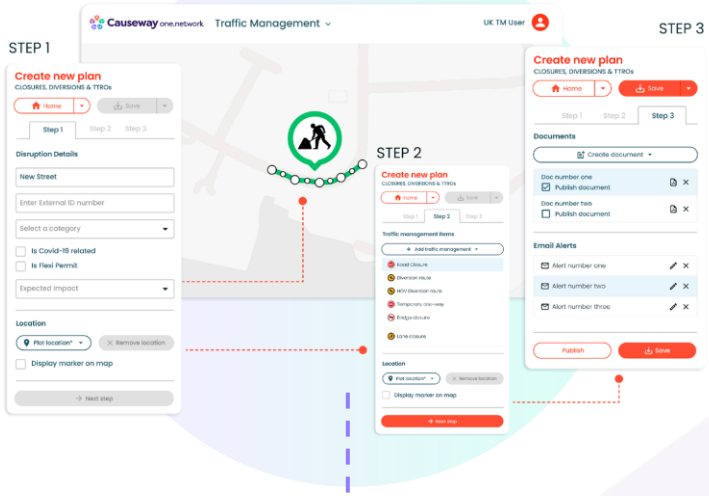
The power of integration

Simplifying the transition to D-TRO compliant TTRO management



Digital application portal

Digitise TTROs via your 1N



Live reporting

Communicate to OEMS

D-TRO Repository

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CASE STUDY

Embracing digital collaboration for faster permit approvals

south east water

west sussex county council

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The Challenge

south east water | west sussex county council

Why did South East Water (SEW) initiate the Plan Share project?

2.3 million customers, **9,000 miles** of pipes, **544 million litres** of water daily.

£433 million from 2020 to 2025 for resource development, treatment works expansion and infrastructure improvements. Requires extensive street works operations.

SEW annual count of TTROs has risen by 43% over the last three years.

Permitting process hampered by inefficiencies, including slow permit approvals and reliance on external contractors for costly CAD drawings.

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The Objectives

West Sussex County Council (WSCC) & South East Water (SEW)

About the Project

- Causeway engaged with SEW and WSCC to digitise the TTRO application and approvals process.
- Weekly training and onboarding calls.

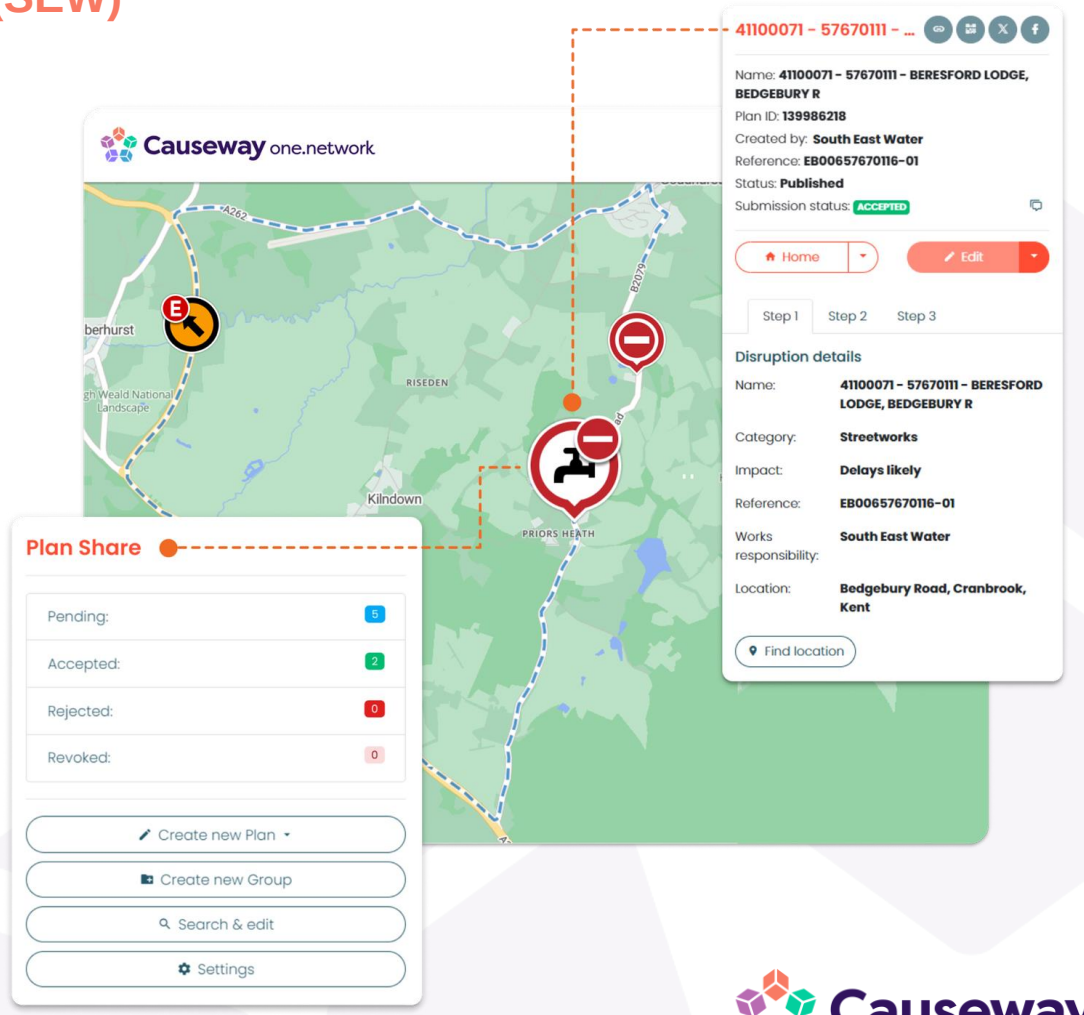
Objectives

- **Speed up review process at WSCC for SEW TTRO applications** – 50 minutes per TTRO.
- **Accelerate TTRO approvals for SEW** – 2 days to 1 month wait for approvals.
- **Reduce costs and delays for CAD plans** – wait of 3 to 5 days per CAD drawing from subcontractors.
- **Empower faster, internal generation of TTRO applications at SEW** – 30 mins to create application after receiving CAD drawing.

The Solution

West Sussex County Council (WSCC) & South East Water (SEW)

- SEW submits street works & TM plans digitally, on a map-based interface
- All required documents in one place
- Built in chat feature to streamline communication.
- Automated diversion routes to reduce up-front planning effort



The Results

West Sussex County Council (WSCC) & South East Water (SEW)

- WSCC saving 6 working days annually reviewing, approving and publishing SEW TTROs.
- 74% reduction in TTRO approval times for SEW, who now receive approvals in <3 working days on average.
- WSCC review SEW TTROs 50% faster, with each traffic order taking just 10 minutes.
- Eliminated subcontracting for CAD plans.
- WSCC admin time reduced from 30 mins to 15, by drawing plans on Causeway one.network.
- Less than 7 minutes per TTRO for SEW.

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Lessons Learned

West Sussex County Council (WSCC) & South East Water (SEW)

- Process change requires commitment, stakeholder buy-in, and cross-team effort
- Demonstrate impact early and often - with clear data on improved TTRO approval times & structured training
- Scaling is easy - once a highway authority is set up, they can easily take on more utility relationships

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Benefits of managing TTROs digitally NOW

Improve coordination, save time and publish navigation grade data

Today	Tomorrow: digitisation
TTRO information is processed manually via word docs, PDFs, and spreadsheets	Receive & process your TTROs digitally, reducing the need for manual data entry
The key elements of TTRO applications (permits, TM plans and docs) are scattered in different systems	Package the core elements of TTROs together–geospatially–for more efficient coordination
Fragmented and incomplete communication about TTROs to the public	Digitise and automate your communication

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AHEAD OF THE GAME

Practical impact: What are the benefits of digitising?

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Practical impact

What are the benefits of digitising?

Application speed & consistency

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Practical impact

What are the benefits of digitising?

- Collaboration

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Practical impact

What are the benefits of digitising?

Auto compliance with D-TRO

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Reach out to your Causeway One Rep

HAUC(UK) Convention 2025

Join us at Stand 7

2nd April 2025

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Emirates Old Trafford
Manchester

Causeway

Thank you

For further insight into how **Causeway one.network** can boost collaboration and speed up your **TTRO management** contact**:**

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