SEHAUC

2025 Epsom Racecourse

Innovation & Communication

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Fire Phones Facilities







Traditional Q&A



Magenta Jockey Club epsommembers







09:15 - 09:20: Welcome from SEHAUC Chairs

09:20 - 09:35: Paul Oxbury, Sunbelt (15 min)

09:35 – **09:55**: Seema Flower, Blind Ambition (20 min)

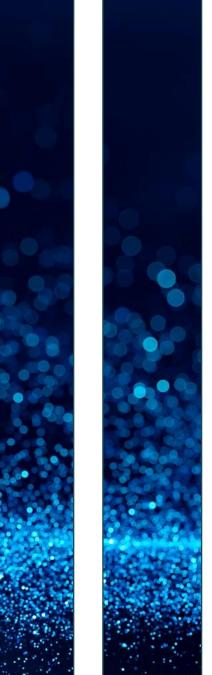
10:00 - 10:20: Allan Pike, WSCC Lane Rental (20 min)

10:20 - 10:40: Richard Childs, SRL (20 min)

10:40 – 10:50: *Q&A for First Session Speakers - 10 mins*

10:50 - 11:45: Break & Network (55 minutes)





Second Session

11:50 – 12:05: Laurence Al-Shaar, Business Innovation UK Power Networks (15 min)

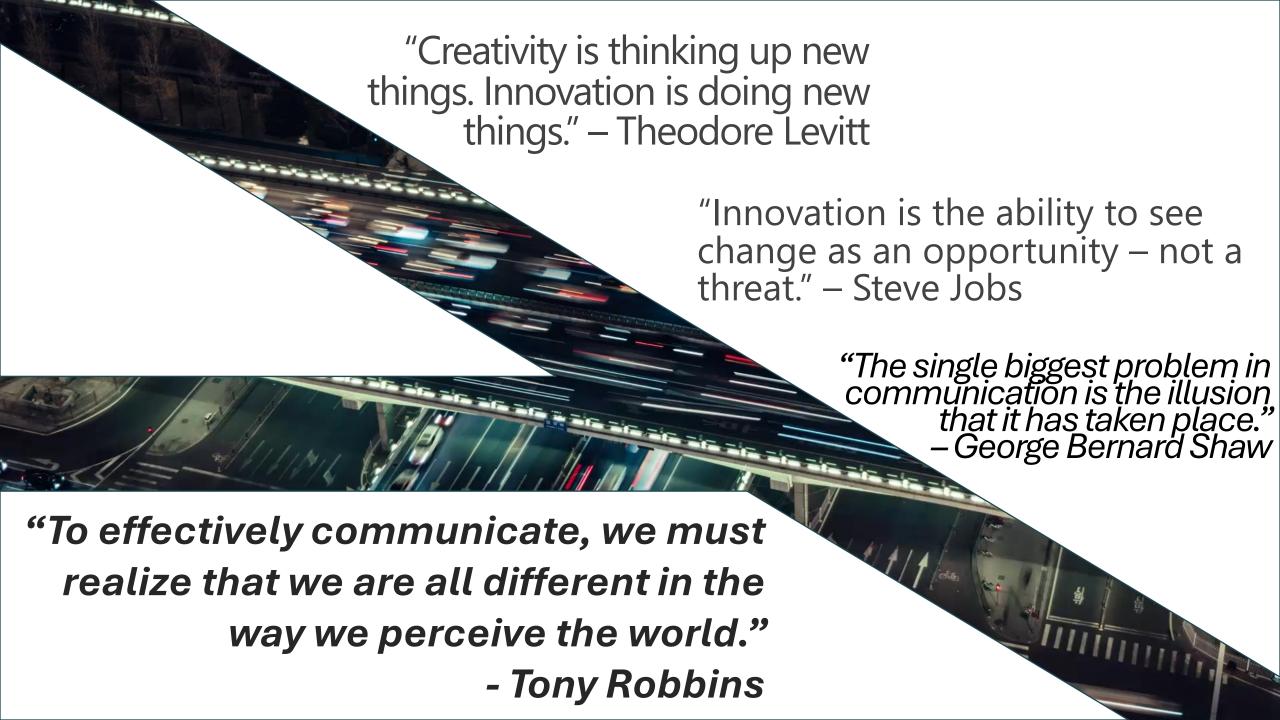
12:05 - 12:25: Martin Van Beurden & Richard Green, BUKO Digital Traffic Management (20 min)

12:25 - 12:45: Andrew Fennell, 1Spatial (20 min)

12:45-1:00pm: *Q&A for Second Session Speakers*

1pm: 5 prize raffle
then Lunch
sponsored by Clancy





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Innovation & Communication 1st Session

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We are 'the team behind your team'

The world's leading provider of rental equipment and managed services.

We are your sector experts, delivering world-class solutions through innovative technologies and sustainable ways of working.





We are specialists not a generalist

We are a unified group of specialist business areas, dedicated to your industry sector.

Aligning any number of our specialist business units, we build bespoke solutions, with deep expertise, using the world's most innovative and sustainable equipment available today.





The global leader in equipment rental

A \$10,859m revenue FTSE 100 company.

We have over 25,000 employees...

providing over 900,000 rental assets...

serving over 800,000 customers

Our Vision To own the future of rental

Our Mission Deliver a world-class rental experience

Our Values Safe Innovative Expert Action Responsible Teamwork



The largest rental company in the UK

Established operations in the UK, Ireland and Germany

Rental fleet of £1025m

Revenues of £706m

250,000 hireable assets

Over 4,300 employees

190 depots









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Communication & Innovation

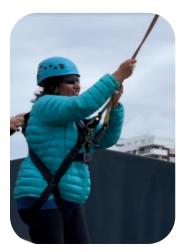


- in Seema Flower
- o blindambitionuk
- Blind Ambition
- X BlindAmbition88



About Me

- 💸 🛮 Serial Entrepreneur
- MD of Blind Ambition, specialising in disability awareness training and advocacy.
- An award-winning advocate, working with major organisations to promote accessibility
- Affiliate member of Streetworks UK
- Recognised for leadership, shortlisted for the Shaw Trust Power 100 and won the CXO 2.0 Outstanding Leadership Award in Dubai











The Disability Journey

Diagnosis

New Normal

Denial

Shock

Blame

Guilt

Anger

Loss of Income

Change of Living

Anxiety

Isolation

Depression

Loss of Confidence

Vulnerability

Social Isolation

Loneliness

Find new ways to live and strategies to cope

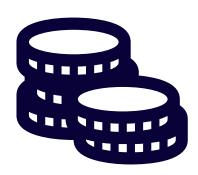
Acceptance

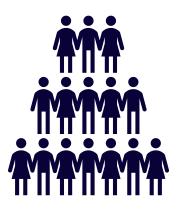
Getting used to the new normal

Finding new happiness

Why Disability Matters?









HAUC (UK) VISION 2030

(HV30)

Five pillars <u>you</u> focused in on as important:

- Environmental Sustainability
- Community
- Infrastructure
- Technology Innovation, Data and Decision-making
- Consistency and Collaboration

ECIT-C

Community

- Distribute educational; resources to embed accessibility in our industrial culture.
- Launch public awareness campaign on road worker safety
- Engage with government bodies on legal protections for workers

- Launch an industry-wide recruitment campaign
- Develop and implement structured apprenticeship routes
- Collaborate across industry to develop retraining programmes
- Establish funding pathways for reskilling initiatives
- Advocate for updated statutory requirements to cater to disabled pedestrians
- Monitor non-compliance and assess its impact on disabled communities
- Engage training providers to deliver accessibility focused training

Technology Innovation, Data & Decision Making

Harnessing technology and data to improve efficiency, safety, and decisionmaking

- Strengthening communication between sites and office-based operations
- Integrating data and digital tools for smarter decision-making
- Driving innovation through trials and collaboration
- Improving future planning and coordination

About Blind Ambition



Blind Ambition

International Award-winning disability inclusion consultancy

- •Empowering disabled people through advocacy, training, and employment
- Supporting organisations to recruit, retain and serve disabled talent and customers
- •Unlocking potential through inclusive strategies and accessible practice

"Every question you ask, every barrier you remove, sends a message: we see you, we value you."

Seema Flower MDBlind Ambition

Blind Ambition

Paving the way for a more inclusive future

How we can help...



Bespoke Training Programs

- Disability Awareness:
 - Understanding the diverse needs of individuals with disabilities
- Red Book Best Practice:
 - Learn about the latest standards in Streetworks safety and accessibility.
- Practical Exercises:
 - Experience Streetworks from the perspective of individuals with different disabilities through our immersive exercises

Blind Ambition

Paving the way for a more inclusive future

How we can help...



Understanding Through Lived Experience

- Our training is unique because it's grounded in the lived experience of individuals with disabilities. It's one thing to know the rules, but it's another to understand why they're important.
- Through our practical, hands-on sessions, your team will gain insights that can only come from seeing the world through the eyes of those with disabilities.

Blind Ambition

Paving the way for a more inclusive future



How we can help...

Partnering for Success

- Accessibility Audits:
 - Evaluate your current street works and identify areas for improvement.
- Ongoing Support:
 - Continuous guidance and resources to ensure your teams are always up-to-date with the latest in accessibility practices.
- Collaborative Solutions:
 - Work with us to develop innovative approaches that meet both your operational needs and the accessibility needs of your road users.





Thank you

Seema Flower

seema@blindambition.co.uk www.blindambition.co.uk 07747 090877

- in Seema Flower
- **o** blindambitionuk
- Blind Ambition
- X BlindAmbition88



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Communication and Innovation at West Sussex



Communication and Innovation



- These are two very important topics at WSCC
- Current Communications
 - With our Partners
 - With our Stakeholders and Customers
- What are we doing to address this?
- Innovation
 - Lane Rentals role in innovation
 - What do we want to achieve?

Pressures



- Coordination of works is incredibly challenging now
 - Levels of work on the network is high
 - Works planning on tight time frames
 - Conflicting demands across the network
 - More clashes More complaints
 - More refusals More permit transactions



Current Partner Communications



- Communication on both sides is down
 - What are the reasons for this?
- What could we do to rebuild?
 - Be prepared to pick up the phone
 - Arrange depot/office visits
 - Reintroduce some meetings
 - Focus on in person meetings

Current Stakeholder Communications



- Councillors, Transport Operators, Motorists, Residents all want information
- The approach can be disjointed
- They are almost an afterthought on major works
- We need to engage with the right people sooner so we can
 - Explain the need for what's happening on the network
 - Gain their trust and support
 - Use their local knowledge
- A clear, robust communications plan for works

Partnership Planning Team

west sussex county council

- Network Management Team Review
- Identified the need to do more to
 - Support Major Works
 - Protect the highway asset
- Dedicated resources for
 - Forward Planning
 - Communications Advice
 - Data Analysis
 - Lane Rental Surplus Funds

Partnership Officers

west sussex county council

- Focus on
 - Forward Planning
 - Collaborating both on and off site
 - Reducing Lane Rental Costs
 - Accessing Lane Rental Surplus Funds
 - Smoothing the path to granted permits



Network Communications Advisor



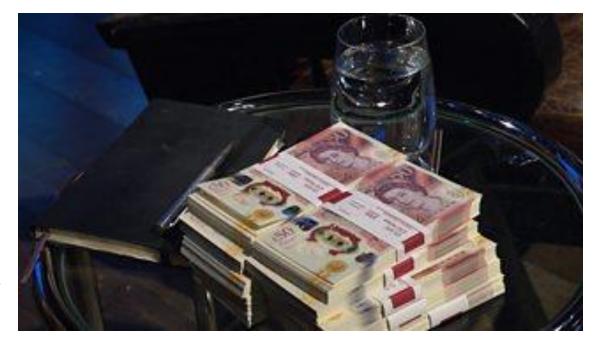
- Helping you to develop a comms strategy for works
- Accessing the right people in our organisation
- Building our reputation in the community



Lane Rental Surplus Fund



- Additional resource to help access these funds
- Identify potential applications to the fund
- Build strong relationships with potential applicants
- Bring forward that innovation we know is there



Innovation



- The industry has made huge leaps forward with the help of Lane Rental funds
 - CisBot
 - Core & Vac
 - Intelligent Signals
 - And more...!
- But Innovation doesn't have to be the big ticket items

Innovation



- Site Accessibility
- How do we better meet the needs of vulnerable road users?

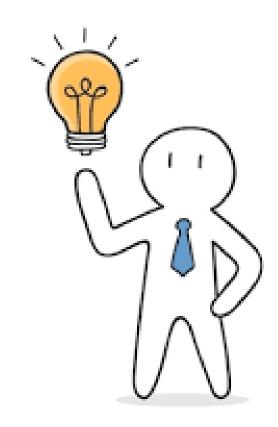




It's Not Just New Ideas!



- What about ideas that were previously not funded?
- Has the technology moved on since?
- Significant material change?
- Could these be revisited?



Let's Hear Those Ideas



- 'Who's going to pay for it?'
- Earlier engagement allows us to plan for and support your applications
- Positive stories about street works!
- So please, come and talk to us!



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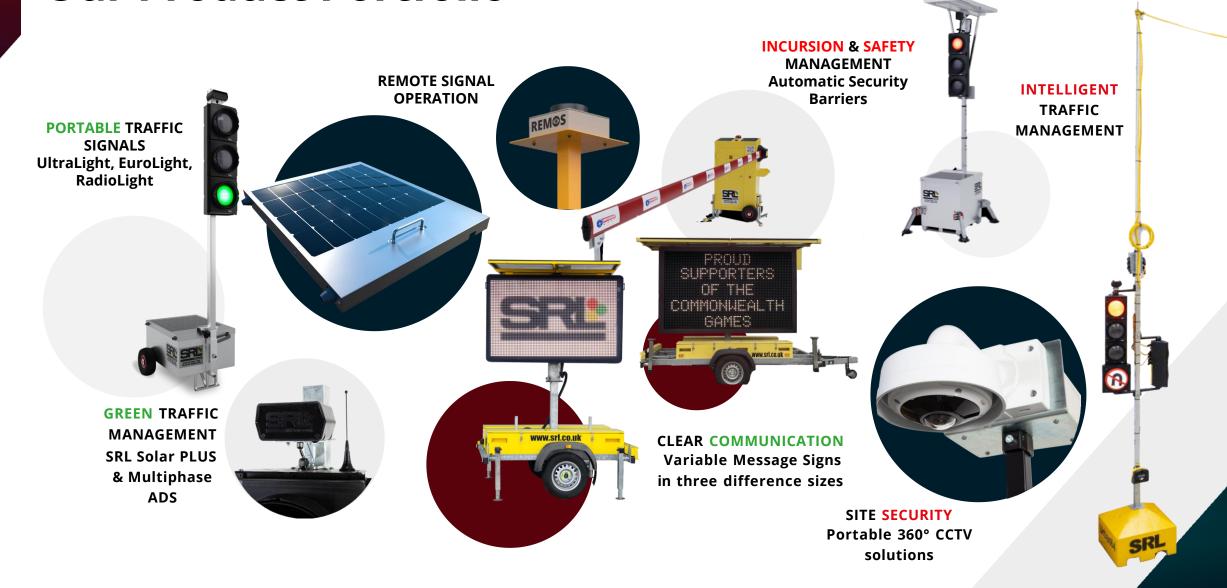


THE LATEST INNOVATIONS IN PORTABLE TRAFFIC MANAGEMENT

Richard Childs
Utilities Director

Our Product Portfolio







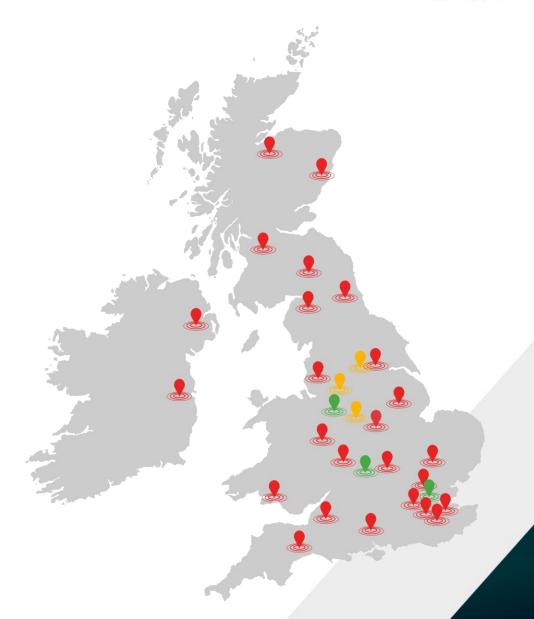
Set for Success

SRL's strategic **30-wide depot nationwide** network enables us to fulfil our unique ad-hoc hire, service model.

Unlike our competitors, SRL are never far away, well equipped and ready to be on-site to support our customers, within two hours.

Our operatives are the backbone of SRL, delivering a **24/7/365-day** support service, providing reassurance and resource customers can't get elsewhere.

Our depot infrastructure enables a lean approach, with **efficient**, **prompt** and **profitable** service.





Aligning with your Objectives

Safety to the Road Worker – We develop our products to design out risk.

Carbon Reduction – We focus on utilising renewable energy and deploying technology which minimises our supply chain's carbon footprint.

Traffic Flow – We optimise site performance and reduce operational costs.







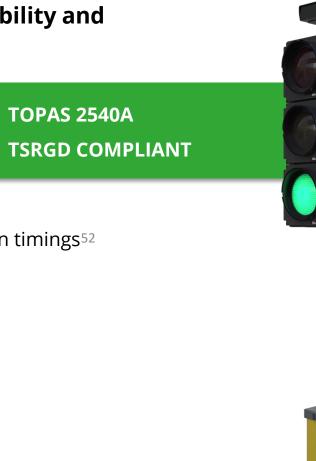




UltraLight

UltraLight™ is the ultimate innovation in portable traffic signals, featuring TOPAS 2540A Compliance, improved reliability and functionality and a simplified user experience.

- Our lightest portable solution
- Cableless up to 24 signals
- Extended running time up to 3 weeks
- Automatic signal dimming
- Adjustable red/green traffic timings and blackout pedestrian timings⁵²
- Max time sets and part-time signal capabilities
- Improved radio connectivity and IP56 water ingress rating
- Autoconfigured Multiphase ADS
- Remote Control compatible





Multiphase ADS

Our Adaptive Detection System manages daily traffic flows by easily making automatic green time adjustments using deep learning algorithms to interpret the traffic data received.

- Proven to reduce average queue lengths by 50%
- Provides a 29% reduction in maximum queue length
- No site visits to make timing alterations
- Rapid install (only basic timings required)
- Adapts to present traffic conditions
- Can be used up to 4-way control



INTRODUCING REMOS

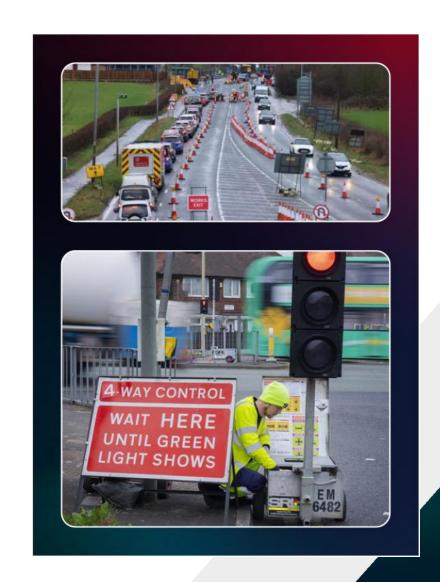




REMOS – Remotely Operated Signals

On any given day, hundreds of worksites across the UK require a traffic management operative to be on site to monitor traffic flows and react if required to minimise disruption.

- 9% of permits require MOS (Man on Site)
- Consistently strains human resources and significantly impacts budgets
- Frustration from road users tends to be directed to operatives on site
- Has an environmental impact (travel to and from site)
- H&S impact in putting people at risk through RTI's
- On average, each year, 7 workers die because of accidents involving vehicles or mobile plant on construction sites. A further 93 are seriously injured. There are at least 175 site incursions per month on the UK roads.



55

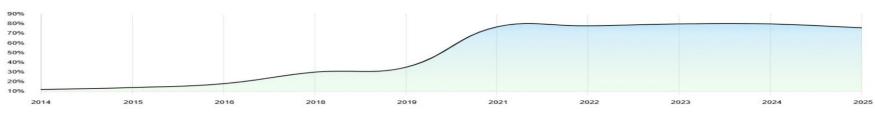
Problems with manually operated signals



- Operative can't see around corners inhibiting decision making capabilities
- Labour cost increasing for on site personnel
- Lack of skilled operatives for this role which consistently strains human resources & impacts project delivery times
- Impacts budgets and increases public frustrations due to the use of untrained agency operatives
- Has an environmental impact (operatives traveling to and from site with an average 30-mile journey)











Why Now?

- REMOS utilises intelligent SIM cards which connect to multiple networks to keep our systems connected and keep data streaming.
- This inclusion will ensure that REMOS performs across the country and can be deployed successfully in more remote areas.
- These multi network SIM cards provide **99.5% UK** coverage
- It uses fibre-optic network for high-speed data transmission ensuring no signal loss or delay in footage delivery
- Redundant routing with failover capabilities to ensure consistent connectivity to external networks and boast a secondary UPS connection to provide 24 hours of backup as a fallback in case of fibre-optic network failure.
- Challenges of reliably streaming data removed





Introducing REMOS

Autoconfigured ADS runs as standard operating model, optimising traffic flow.

A **UTMC style controller** is deployed on every site. This enables operatives to remotely manage the signals.

Lithium Phosphate batteries offer more than two weeks' battery life.

Distinctive **yellow boxes** differentiates signals for long-term end-user perception

A **high-resolution camera** streams data in real-time in the SRL Control Hub

The **upgraded REMOS signal head** houses communications including wireless router, antenna, router and I/O interface plus SIM card.



Dedicated REMOS Facility



SRL have installed a pioneering REMOS facility at our new multi-functional hub, in Solihull.

Solihull is **strategically located** to offer great network connectivity.

The control room has been thoughtfully designed to create a **comfortable, secure and practical** space for operators.

All REMOS operators are competent and have been trained in:

- Lantra M7 NHSS12D M7
- JCT Basic Introduction to Traffic Signals
- SIA CCTV Operator Training:
- Internal SRL Training (Troubleshooting, equipment, process and protocols)

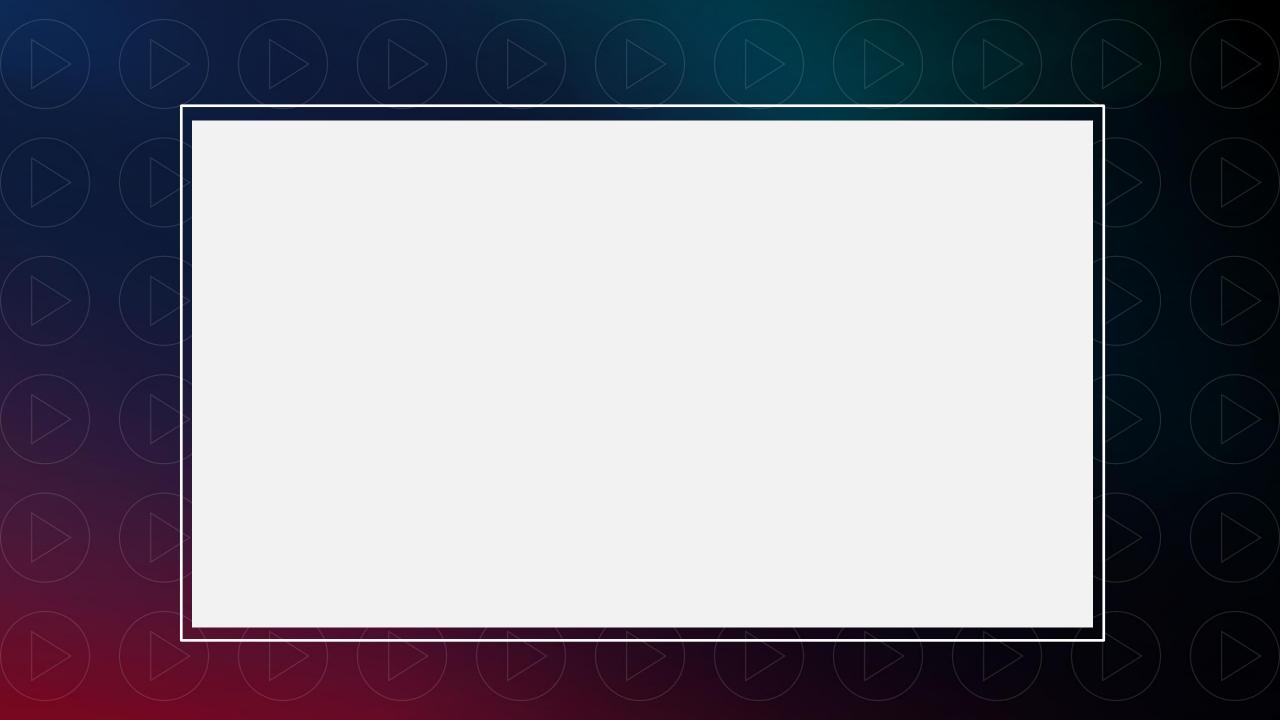






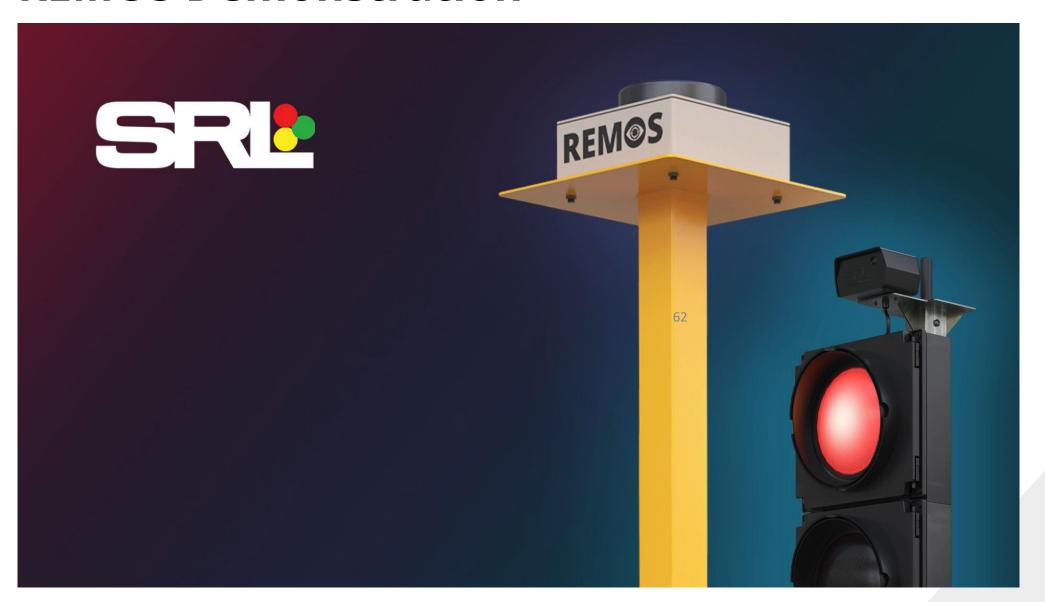








REMOS Demonstration





The Future of Traffic Management Starts with



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Innovation & Communication Q&A then LUNCHTIME

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Innovation & Communication 2nd Session

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Kanye and The Queen

How toilet paper upset the throne.

Laurence Al-Shaar – Senior Innovation Project Manager









A Bum Deal

- Interiors Engineer at Eurostar
- Responsible for all customer facing systems
- Seating, Galley, HVAC, Doors, Customs Cell...
- Toilets



The Royal Throne

Royal loo: How Queen Elizabeth II gets a designated loo wherever she goes - 'big worry'

Queen Elizabeth always packs toilet paper when travelling strict rules about who uses it

ROLL WITH IT The Queen gets her own designated loo on royal tours that no one else is allowed to use – and VERY posh toilet paper



Stuff hits the fan

Kanye West makes bizarre toilet requests on Eurostar

Oh Eurostar how could you? The train company have upset Kanye West with their unacceptable toilet amenities

Um, did Kanye West complain about 'scratchy toilet paper' when he took the Eurostar?

And Wednesday's most bizarre news comes courtesy of controversial rapper Mr West...

Kanye West hates 'scratchy' toilet paper

Kanye West's latest lament involves 'scratchy' toilet paper on the Eurostar

Kanye West refused to use Eurostar loo roll as it's 'too scratchy'



SINEAD MOORE

Updated 14 August 2014

Kanye West Apparently Complained About 'Scratchy Toilet Paper' In London



Kanye Wiped Out

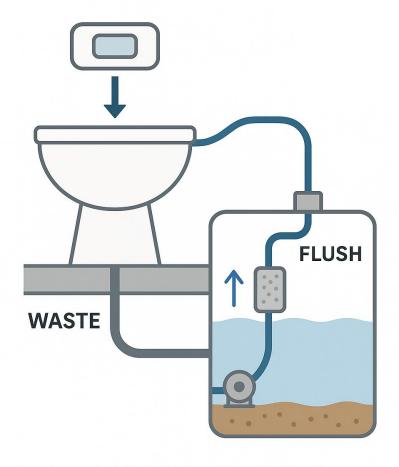
A source told The Sun newspaper: "Kanye is very particular about his toilet paper. He couldn't believe that in a first class carriage, they had scratchy loo roll.

"He didn't make a fuss to Eurostar staff, but he was heard moaning to his inner circle. He didn't like the texture and requested a softer tissue.

It seems the rapper endured a difficult trip from Paris to London as his Eurostar train was delayed by four hours following a technical fault.



Toilet Training



SELF-CONTAINED RECIRCULATORITY RETENTION TANK



Feeling Flush

£200,000!



Absorbing the requirements

Engineering	Stays as a sheet & must not float Breaking up or floating will block filters
On board services	Needs to be pre-packaged Must be able to fit into the current dispensers and on the cleaning trolleys
Customer service	Needs to be white Any other colour isn't acceptable to the branding
Safety and Compliance	Must meet fire standards Must meet NFF-16-101 – Rail vehicles in a single-track tunnel



A helping hand

Subject: Toilet Paper Project

From: Louis Searle

To: Laurence Al-Shaar

Date: 14 August 2014

Hey Laurence,

If you've got a spare minute, come find me - I wanted to have a quick chat about your toilet paper project. I've heard bits and pieces and I'm curious to hear more about what you're working on. I might have a bit of insight that could help, or at least give you something to think about.

No rush - just grab me when you're free.

Cheers,

Louis



A Clean-Sheet Solution

- On paper, it seemed easy
- Met with top suppliers, tested prototypes
- No combination passed every requirement
- Complying with one, broke another



Papering Over The Cracks

Subject: Quick Catch-Up on the Toilet-Paper Project?

From: Louis Searle

To: Laurence Al-Shaar

Date: 11 November 2014

Hi Laurence,

Hope you're doing well.

Just checking in on the toilet-paper project we chatted about back in August.

I'm curious how things are progressing and whether you've managed to tame all those requirements.

If you have a few minutes this week, swing by my office or drop me a note-I'm still happy to share what I learned (and failed at!) in '94. Might save you a headache or two.

No pressure, but I'd enjoy hearing where you've got to and seeing if there's any way I can help.

Catch you soon,

Louis



The Bottom Line

- Louis had the insight I needed
- He could have saved or stopped- the project
- I didn't listen
- A communication failure, not a creative one.



Sheet Happens – Lessons Learned

- Innovation doesn't always succeed
- Sometimes the best result is walking away early
- Innovation is about value, not novelty

- Communication is everything
- Listening is the cheapest form of innovation
- The right conversation, at the right time, changes everything







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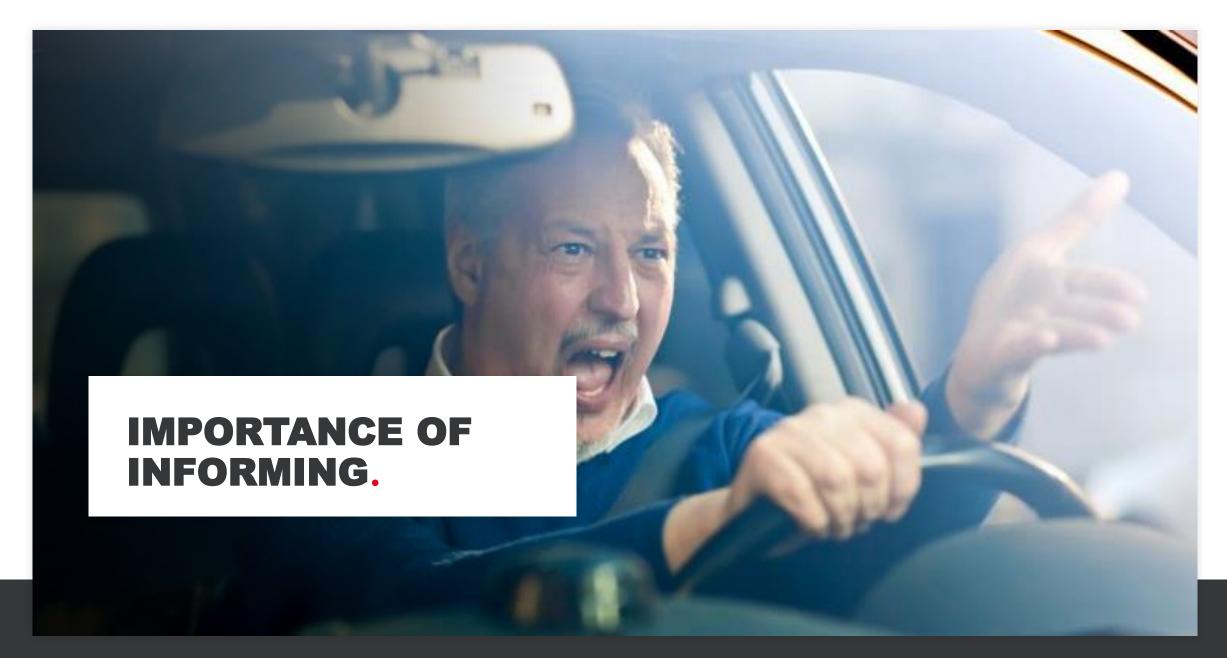


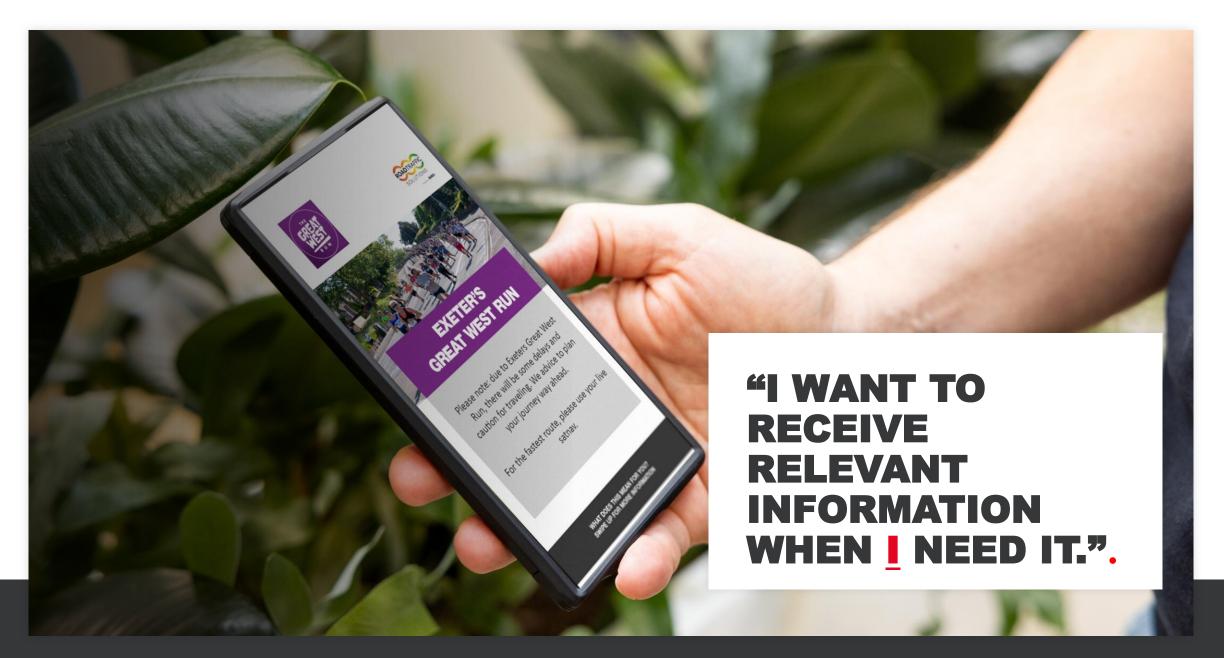




We improve the general experience of road users and local residents...

...that starts before the trip





WE HAVE BEEN USING SOCIAL MEDIA SINCE THE YEAR!

WE HAVE BEEN USING SOCIAL MEDIA SINCE THE YEAR 1979!

FACTS AND FIGURES.



40%

Users use social media to fill time



66.3 mln

Acces to internet (97.8%)



56.2 mln

Active on socials (82,8%)



6.4 Platforms

Average person in UK



109

Minutes
Active ons social platforms



79%

Whatsapp
Active users in UK



58.6 mln

Users Google.com



Most Favorite
Platform



Most used platforms



55+

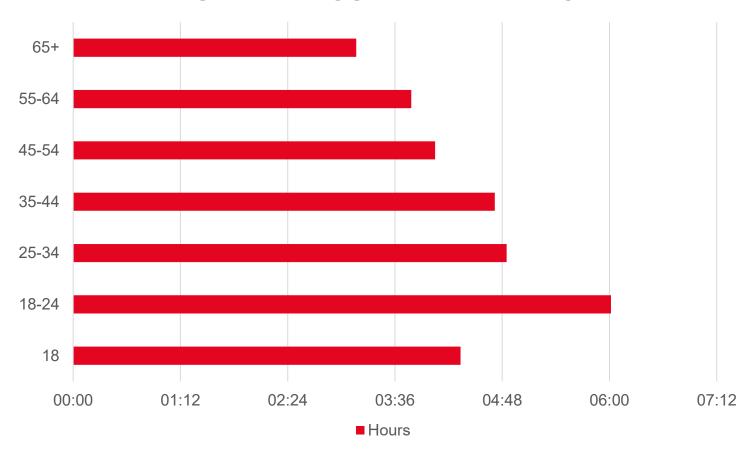
Jaar



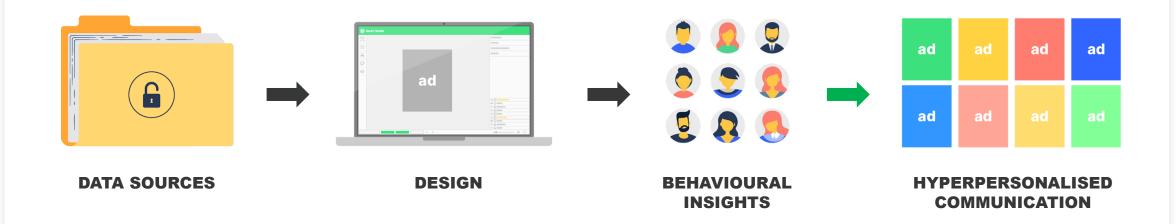
67.850.000

people in UK



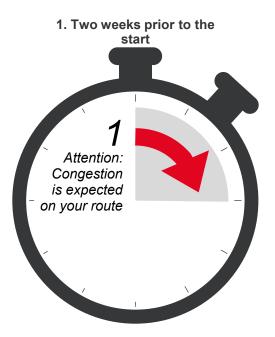


DYNAMIC DIGITAL COMMUNICATION.



Using in-house and external data to create personalised and catchy communications that triggers the target group - resulting in hundreds of different automated messages based on **location**, **time** and target group **characteristics**.

PERFECTLY TIMED INFORMATION PROVISION.



From unexpected to expected congestion.

Offering alternatives in terms of time,
modality, and route.



Adjustments in travel behavior based on current information. Reduced frustration and increased compliance.



Satisfaction survey among the target audience. Demonstrating the tangible benefits.

COMMUNICATION MIX.



DYNAMIC DIGITAL COMMUNICATION



DOOH (STREETSYNC)



AI CHATBOT MELL



SEARCH & DISPLAY ADS



TM & POSTERS



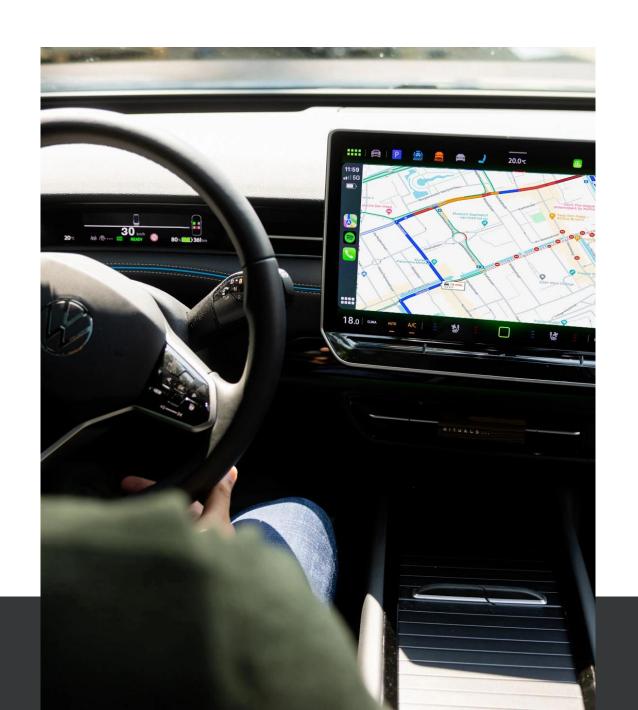
IN-CAR MESSAGING



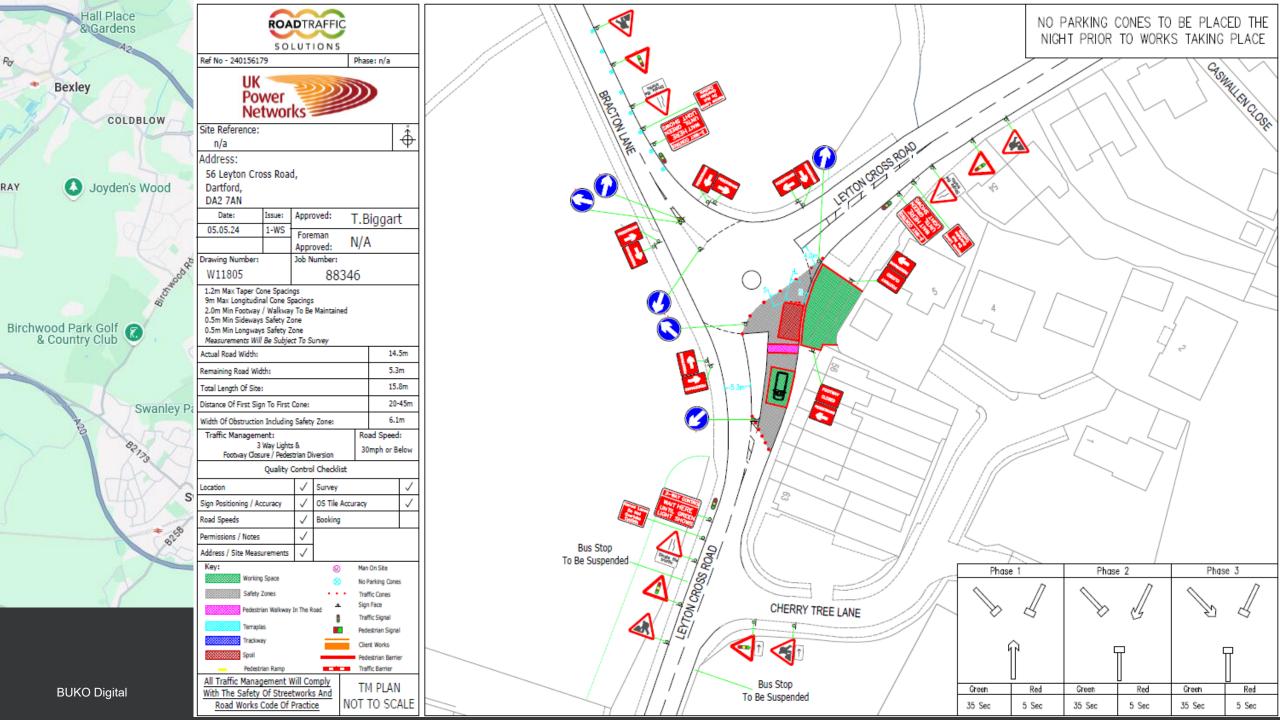
VIDEO & ANIMATIONS

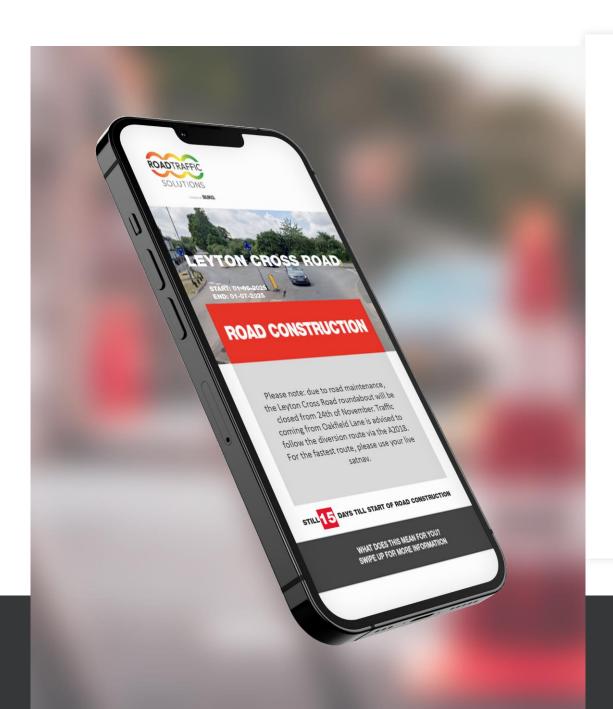
SAT-NAV INFLUENCING.

- The digital road closure and detour
- 93% of road users use navigation
- 85% of road users using navigation can be reached with live information
- Influencing cut-through traffic
- Target group up to 35 years old relies more on in-car information than physical signage
- Subconscious behavioural influence for 79% of all road users
- Up to 20% extra traffic flow reduction during road works in comparision to only physical temporary traffic measurements







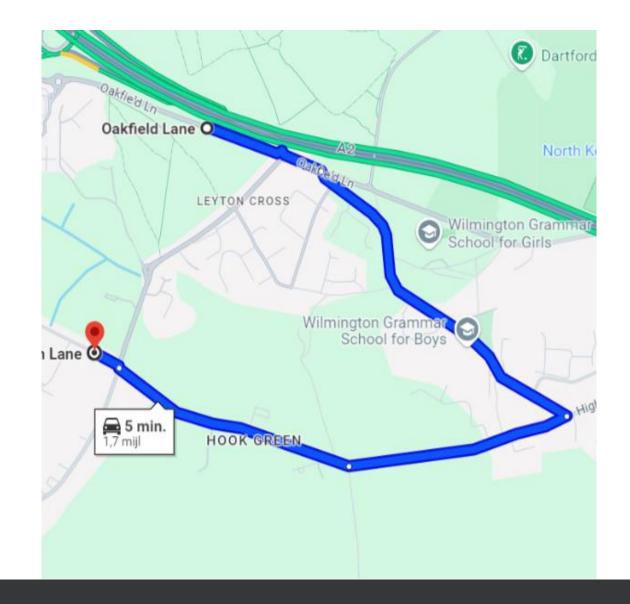


DYNAMIC CAMPAIGNS.

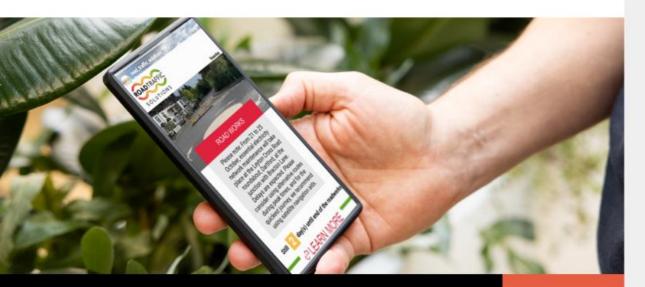
- Based on the origin and destination research, it's clear who should be targeted
- Each target group receives unique messages
- The reporting may vary depending on the day and/or weather conditions
- Completely dynamic with hyperpersonalisation. For example, start and end dates, location and a countdown till start/end of work.

SAT-NAV INFLUENCING.

- The digital road closure and detour
- Influencing cut-through traffic
- No significant delays or congestion on Leyton Cross Road or in the direct surroundings



04. COMMUNICATION & RESULTS



ADS SIZES

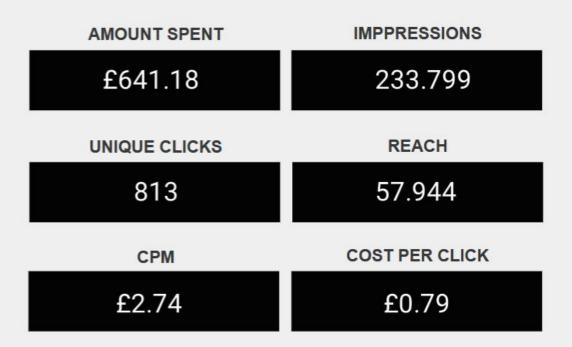
PHASES

AREAS

TEXT

VERSIONS

2 288 combinations



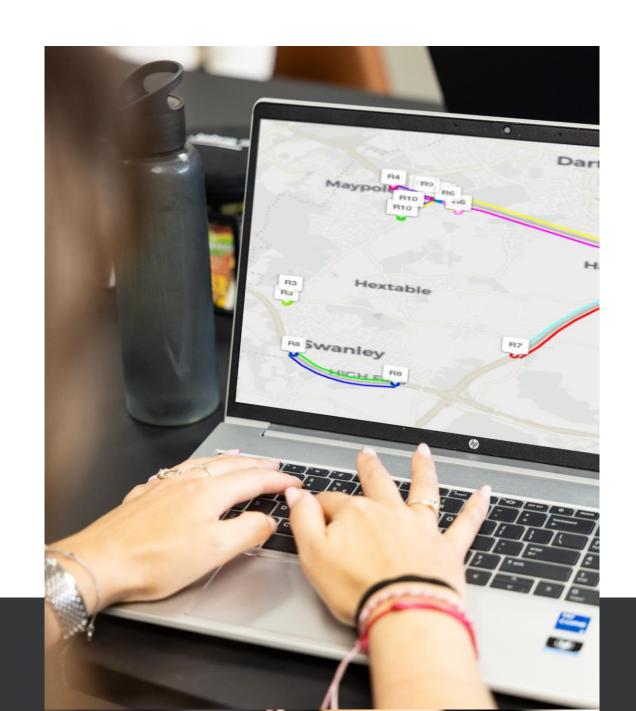
Since the campaign's launch, posts have garnered over **233.799** impressions on social media, reaching and informing **57.944** unique individuals about the anticipated disruptions on Leyton Cross Road. On average, each person saw the posts more than four times across Instagram and Facebook.

The average cost per 1,000 impressions (CPM) was £2.74.

Additionally, the campaign generated **813** click-throughs to UKPN's website, where users could access further details about the Leyton Cross Road project.

LIVE TRAFFIC DATA.

- Compare objective data and subjective opinions
- Multiple data viewable:
 - Usual vs current speed
 - Usual vs current travel time
 - Delay time
 - Speed difference
 - Access to an online dashboard for near real-time viewing and historical look-back



RESULTS.

- No significant delays or congestion on Leyton Cross Road or in the direct surroundings
- No cut-trough traffic during the road works
- Communication via Facebook & Instagram satisfaction rate 9.2 out of 10
- Almost 43% of the road users changed their travel habits by for example taking a different route
- Over 80% wouldn't be informed if the information wasn't provided via social media

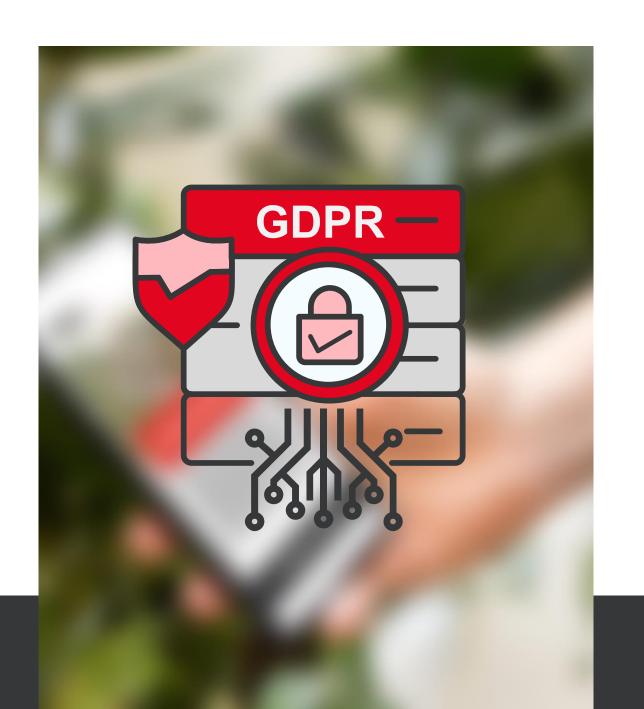


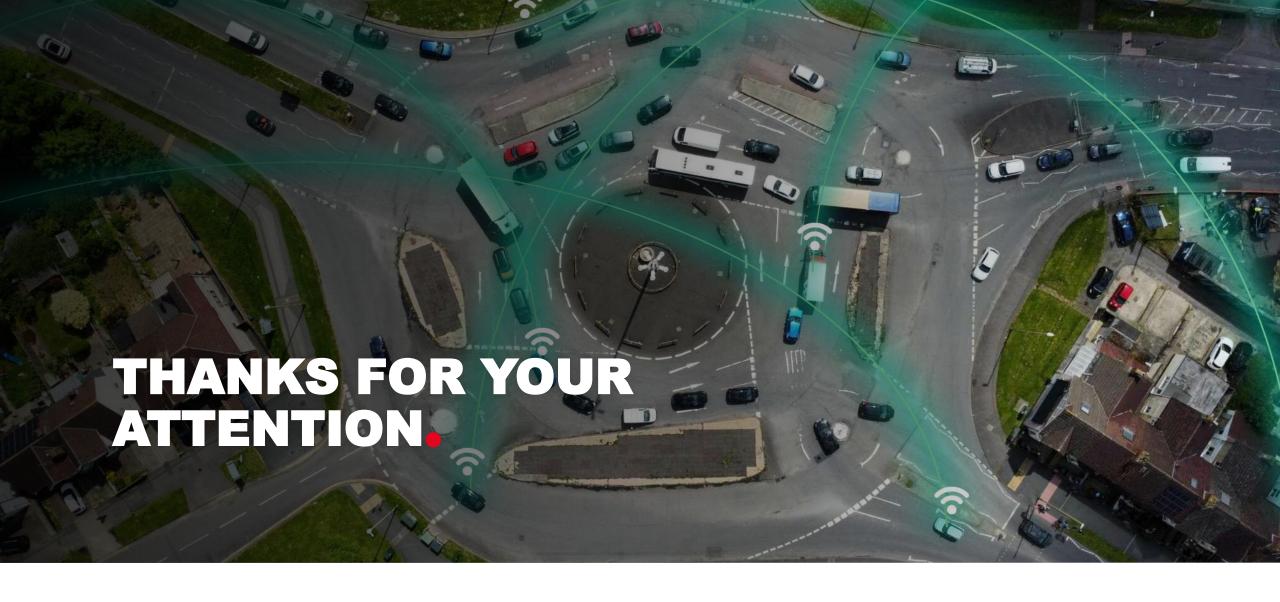
THE ROLE OF PRIVACY (EXPERIENCE)

- Social media is GDPR compliant
- The most important question you want an answer to:

Is someone living, working or passing through the area where the road works are taking place?













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