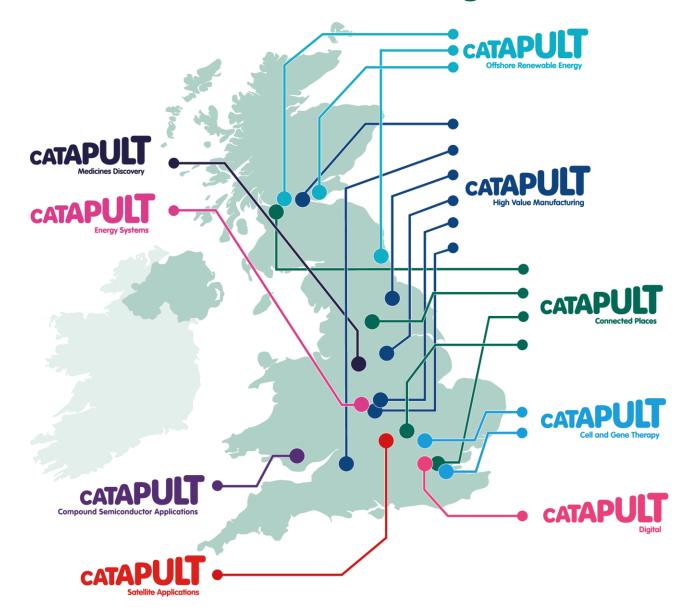


Who Are we

Steve Quantick

Strategic Business Development Director – Connected Places Catapult

Catapults – a force for innovation and growth





9 Innovation Centres across the UK

A network of world leading centres designed to transform and accelerate the UKs capability for innovation and future economic growth.

The Connected Places Catapult role

To drive jobs and growth the Connected Places Catapult:

- Increases the supply of proven products and services that meet market demand by helping companies to commercialize innovation through demonstration, testing and market exposure.
- Identifies new areas for market making and disruption by stimulating richer engagement between academics, SMEs and businesses.
- Boosts demand for innovation from intelligent customers by providing joined up support to public authorities and industry

Is part of

• A network of 9 world leading Independent and neutral Catapult centres designed to transform and accelerate the UKs capability for innovation and future economic growth.





IMACCELERATOR SUPPORTING START-UPS TO DRIVE INNOVATION

Powered by

Supported by











July-December 2019 Cohort



Xtelligent







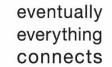


briteyellow[®]













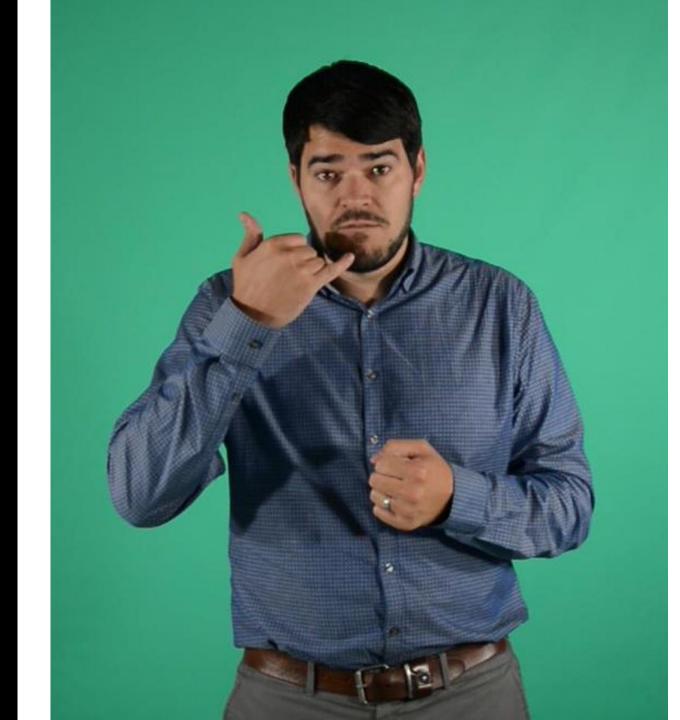
There are many different types of level crossings and protection measures in place across Britain's rail network. Do please plan ahead, be prepared and pay extra care and attention on and around level crossings.

For more information about using them safely and to understand the different warning signs and signals, download our free level crossings user guide.

It's available in accessible and BSL formats at networkrail.co.uk/levelcrossings



For BSL and audio content, download 'Signly Network Rail' for free from the Apple App Store or Google Play and point your device at this leaflet.



CALVIUM

Calvium is a leading digital technology agency combining expertise in experience design, software engineering and mobile innovation.

Richard Hull, Executive Chairman richard@calvium.com



People, place and technology

Calvium are recognised as specialists in designing and delivering stellar location-based digital solutions for a wealth of leading clients.



Our clients include



theguardian



















NavSta

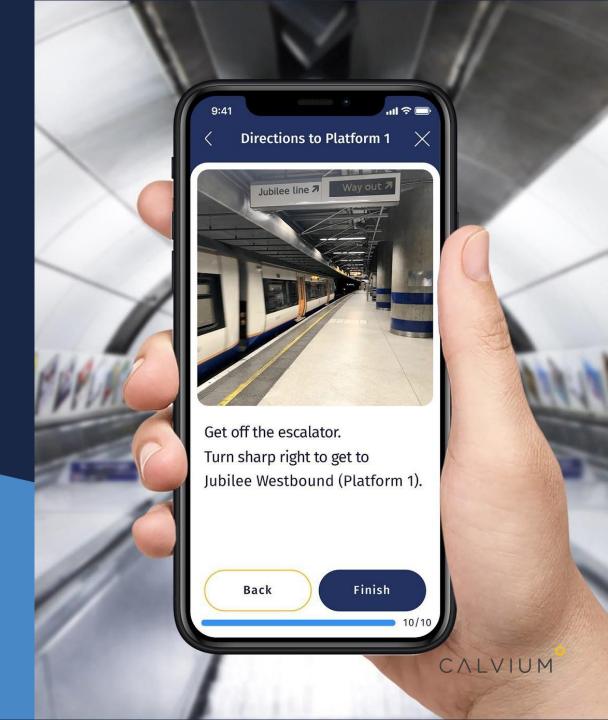
Helping passengers with invisible impairments travel independently through train stations

Partners





Innovate UK **Demonstrating Tomorrow's Stations**

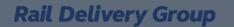


NavSta

Enable Reduce Remove Increase independent barriers to passenger passenger Deliver more Raise travel travel satisfaction anxiety inclusive and passenger accessible confidence journeys

Through inclusive design and technological innovation, NavSta will be an integral part of the travelling public's wayfinding toolkit.







13 mil £250 bn

UK/World population registered as disabled

Data Sharing

Real Time
Accessibility info



Customers -Inclusion Satisfaction



Rene Perkins – Co-Founder & CEO Email: rene@CityMaaS.io

Tel: 07875507126 Skype: rene.yuan Website: CityMaaS.io



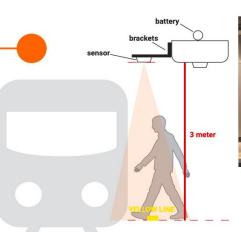


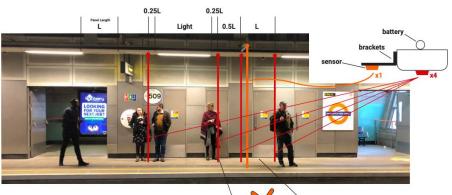
BlockDox Patented Technology on Trains, Platforms & Stations



Real-time passenger footfall analytics







Data Analytics to Help Shape, Manage & Deliver **Smarter Stations**





Cloud

- Optimise boarding & alighting times
- Manage disruption & capacity
- Plan future station design & timetabling
- Understand passenger numbers
- Mitigate & manage risks
- Manage revenue protection





DODGIS Collaborative Urban Infrastructure **Planning**





Technology Vendors

Civil Engineers Transport Planners

Neighbours Regulators

Even more activist groups

Planning

Activist groups

Environmental Engineers Transport Operators

Policymakers Property Developers

Urban Planners

Implementation





McKinsey Global Institute McKinsey Infrastructure Practice









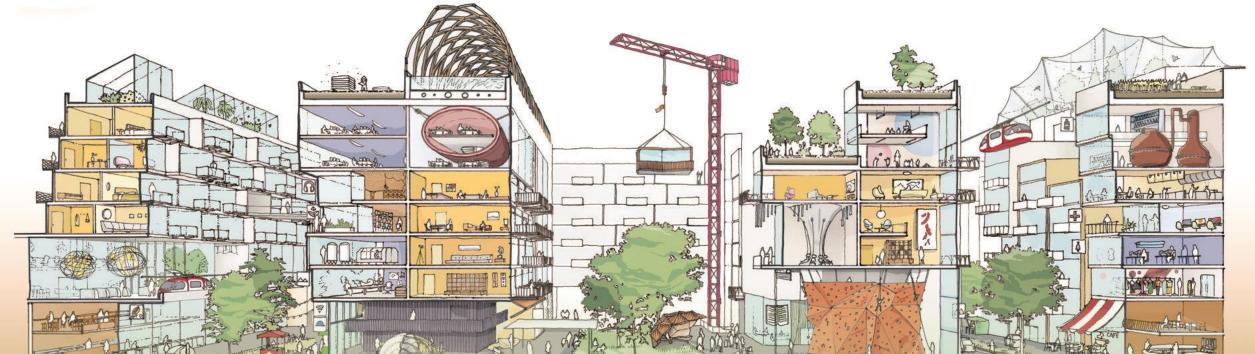
January 2013

Infrastructure productivity: How to save \$1 trillion

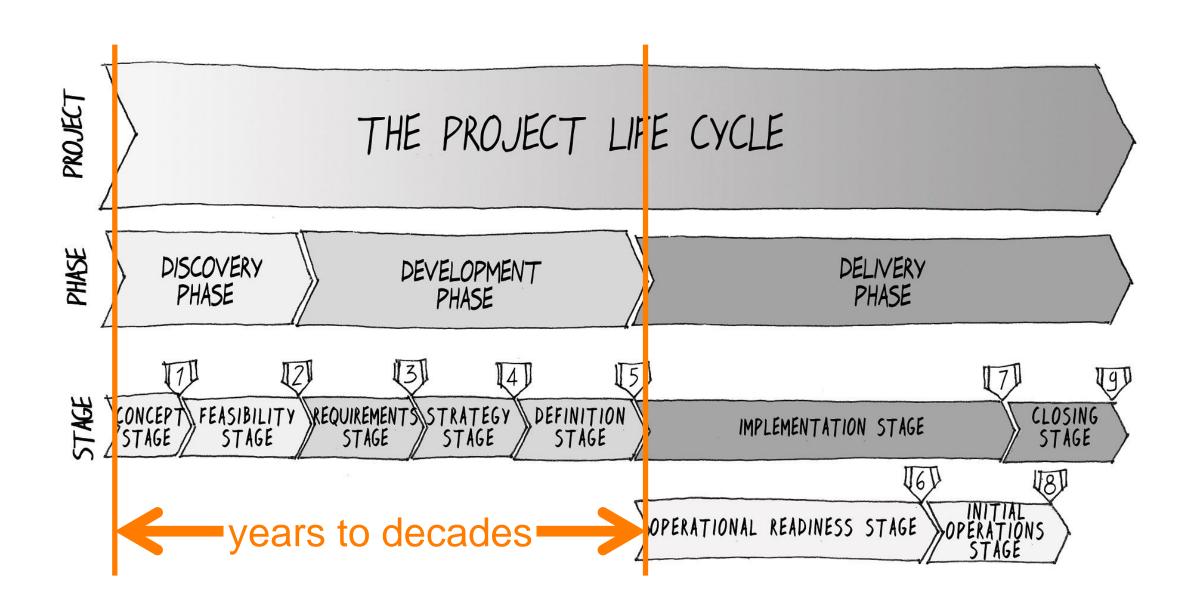
a year



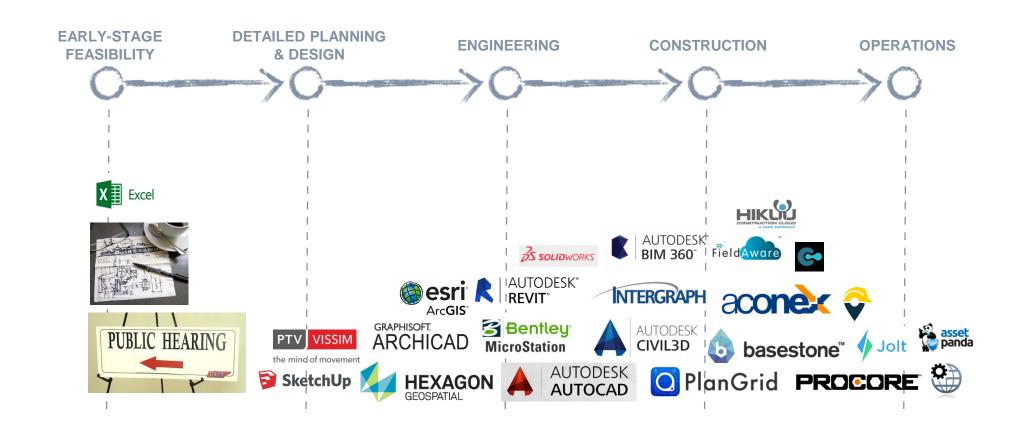




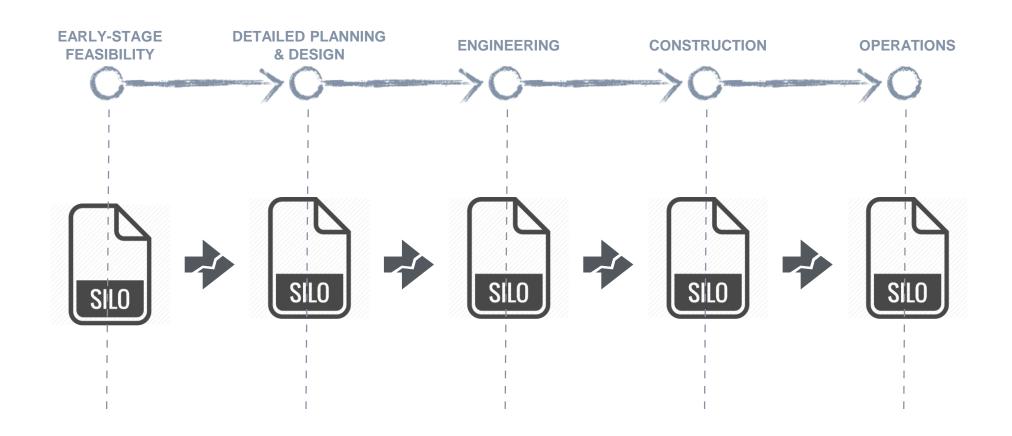






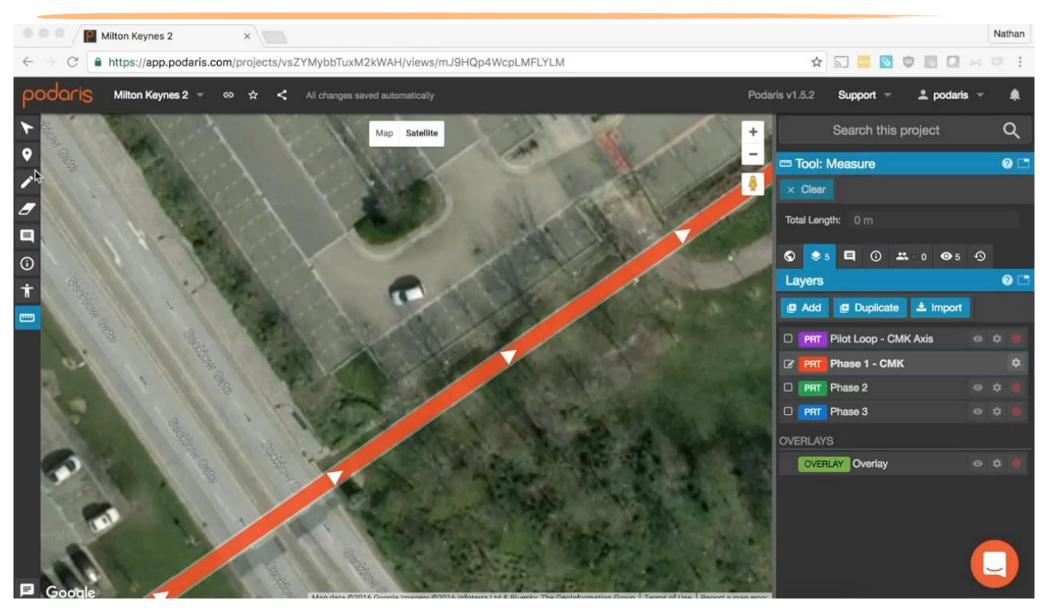












Planning / Engineering / Analysis / Engagement





Stakeholders

Visualisation & Engagement



Planning & Management













Parametric Models







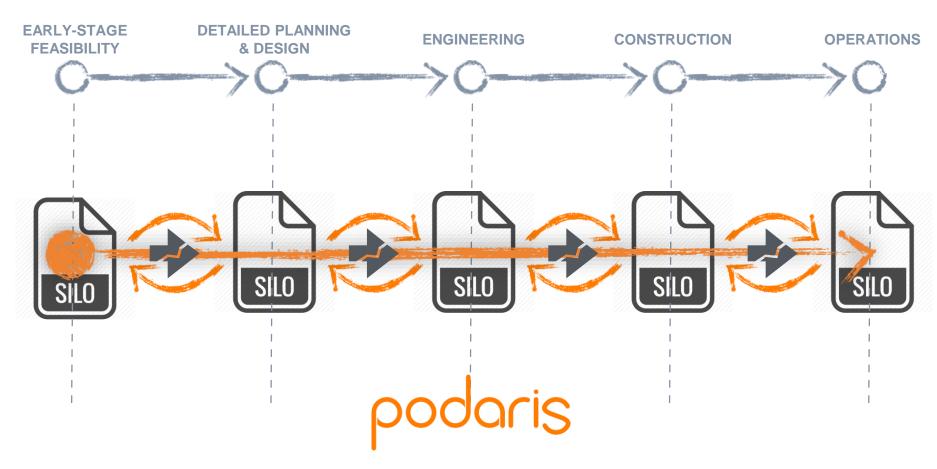












making transport & development planning more

accurate • agile • inclusive • cost-effective





The team



Nathan Koren (UK) Founder / CEO





BsD Architecture (ASU, 2001) MBA (Oxford, 2008)



3X co-founder



Expert in transport innovation



Devon Barrett (UK)Co-founder / CTO



Ben Woodhouse (UK)
Technical Writer



Felipe Sabino (BR)
GIS Developer



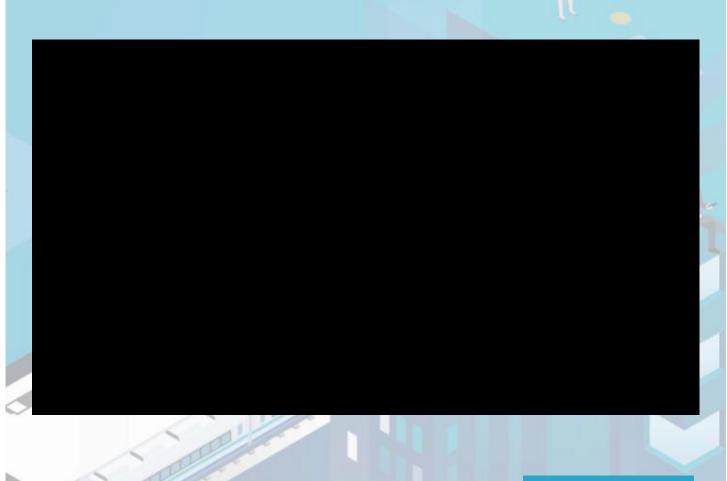
podaris

Thank you!

Devon@Podaris.com

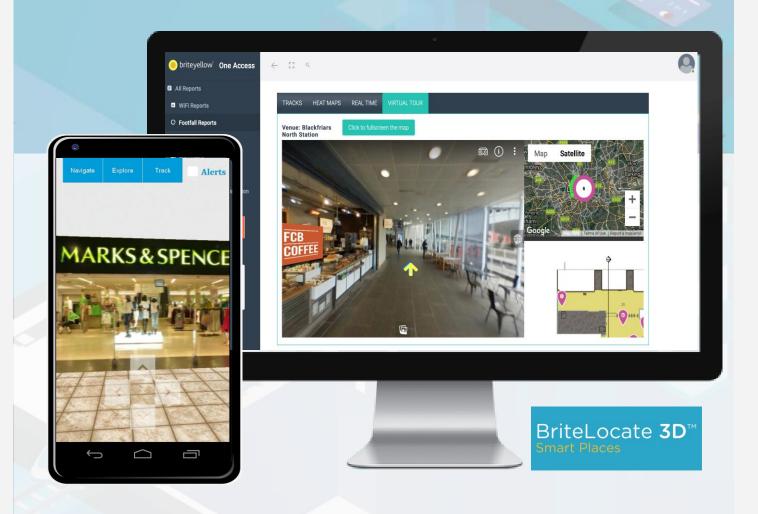


DIGITAL TWIN STATION MAPPING PLATFORM

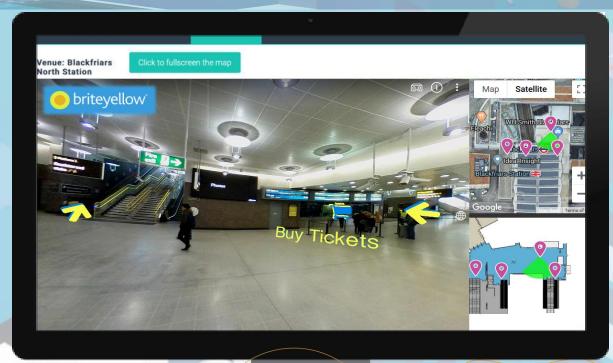


BriteLocate **3D**™ Smart Places

A PLATFORM FOR BUILDING AR-VR WAYFINDING SOLUTION



ON BOARD ENTERTAINMENT THROUGH AR-VR





LOCATION-BASED MESSAGING AND JOURNEY TRACKING



LOCATION INSIGHTS



BriteLocate **3D**™ Smart Places



W wayra



















Testbeds - Stations

What is a testbed?

- A proving ground to develop, test and showcase the best new technologies that solve real challenges
- A place to collaborate with companies, academics and users
- Reduce the risk and the up-front investments in innovations
- Deployment at difference scales to test products or services before investing in full-scale development
- Verify and validate early in development, enabling new business opportunities and knowledge to develop
- A place to **inspire** others with sustainable, innovative solutions









"By improving trains, tracks and stations right across the country, we will deliver more reliable, frequent and comfortable journeys for passengers and better connect our communities"

Rail Minister, Andrew Jones





