

EasyWay



Annual Forum 2010



Shortcut to the future.

Lisbon • November 16th-18th





Traffic Wales - Data Warehouse and Journey Time Engine

Shortcut to the future.
Lisbon • November 16th-18th

Ian Cater
Traffic Wales





Data Collection & Travel Information

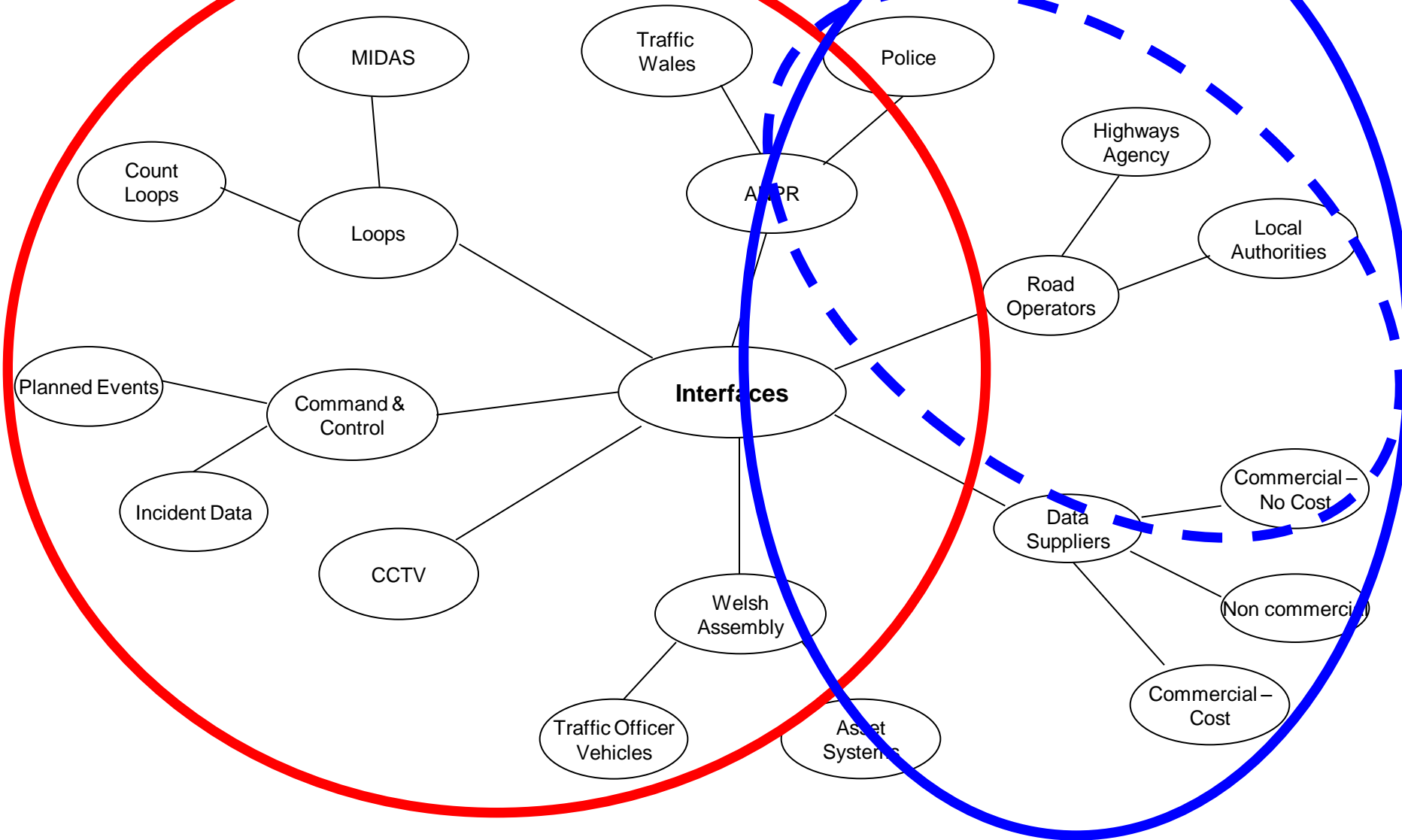
Current Issues and Challenges:

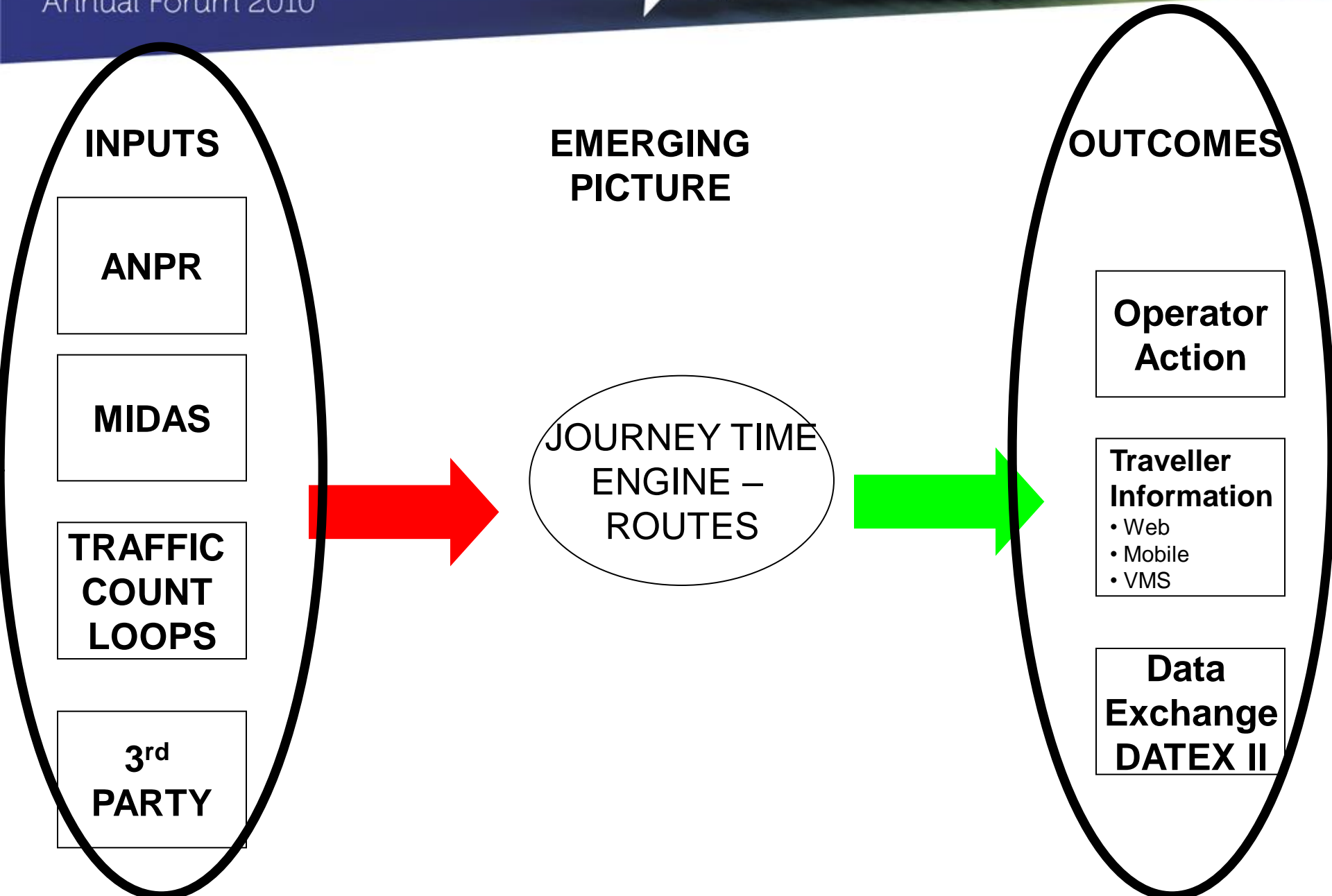
- **Lack of data integration**
- **Network Data “Gaps”**
- **No cross border information – inter urban & urban**
- **Need to replace ageing database**
- **Retain philosophy of recognised architectures & standards**
- **Currently collect significant data – need to make better use**
- **Climate of reduced costs and need to leverage public investment**



Key Requirements

- **Integrated View**
- **Reliable Journey Time Information**
- **Operational Strategy Management**
- **Tactical Response – Operations & Automatic**
- **Public View – via a web interface**
- **Remote Operator Access**
- **Cartographic Viewer**
- **Congestion Monitoring**
- **Environmental Monitoring of Network**
- **Historical & Predictive Views**
- **DATEX II format**





WIDER PICTURE

INPUTS

ANPR

MIDAS

TRAFFIC
COUNT
LOOPS

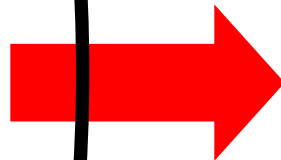
3rd
PARTY

FAULTS

URBAN

AIR QUALITY

CAR PARKS



STRATEGIC &
OPERATIONAL
VIEW



OUTCOMES

**Operational
Management**

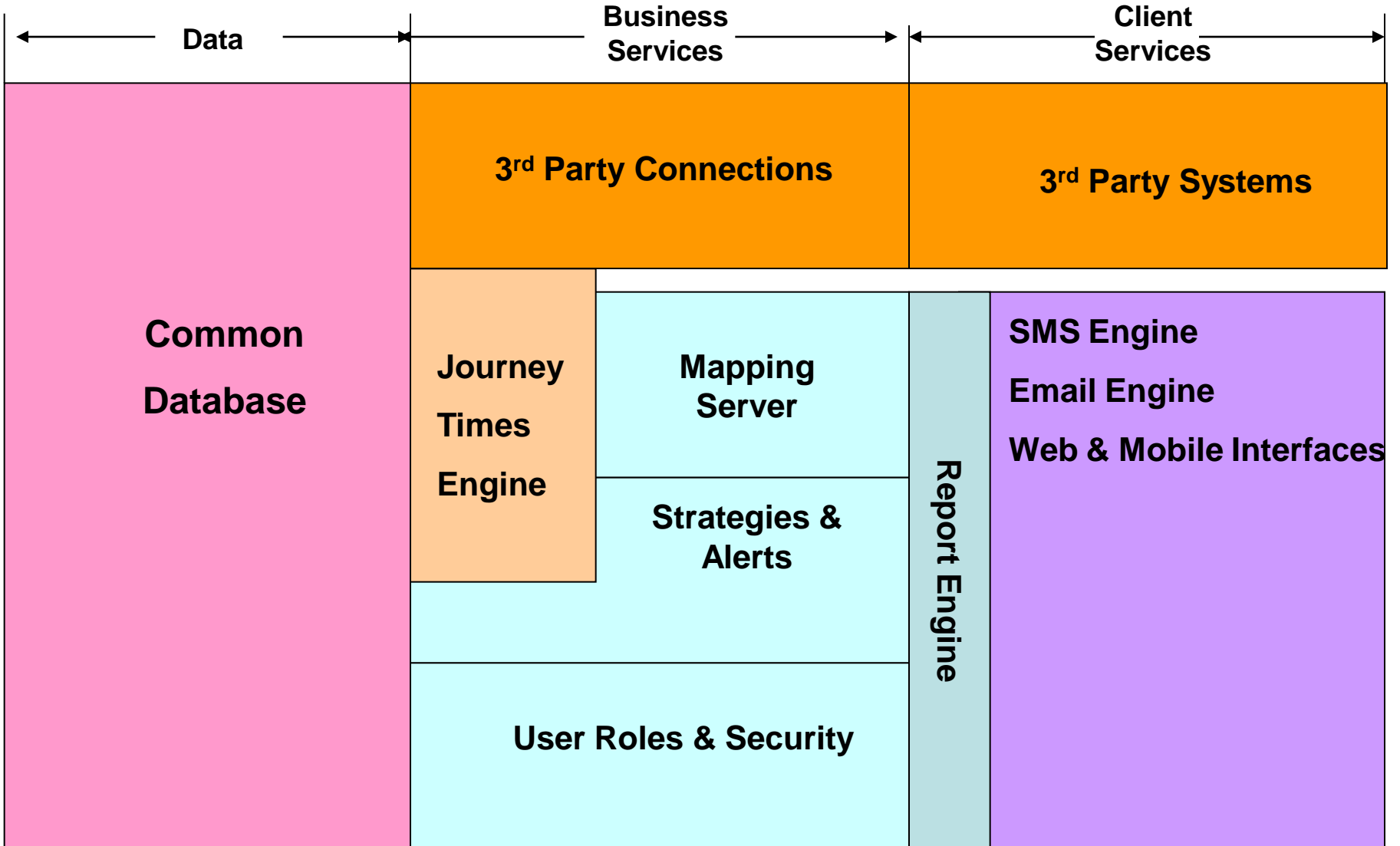
- Strategic
- Operational

**Traveller
Information**

- Web
- Mobile
- VMS

**Data
Exchange**

- DATEX II
- UTMC





Help

Argonaut

Toolbar

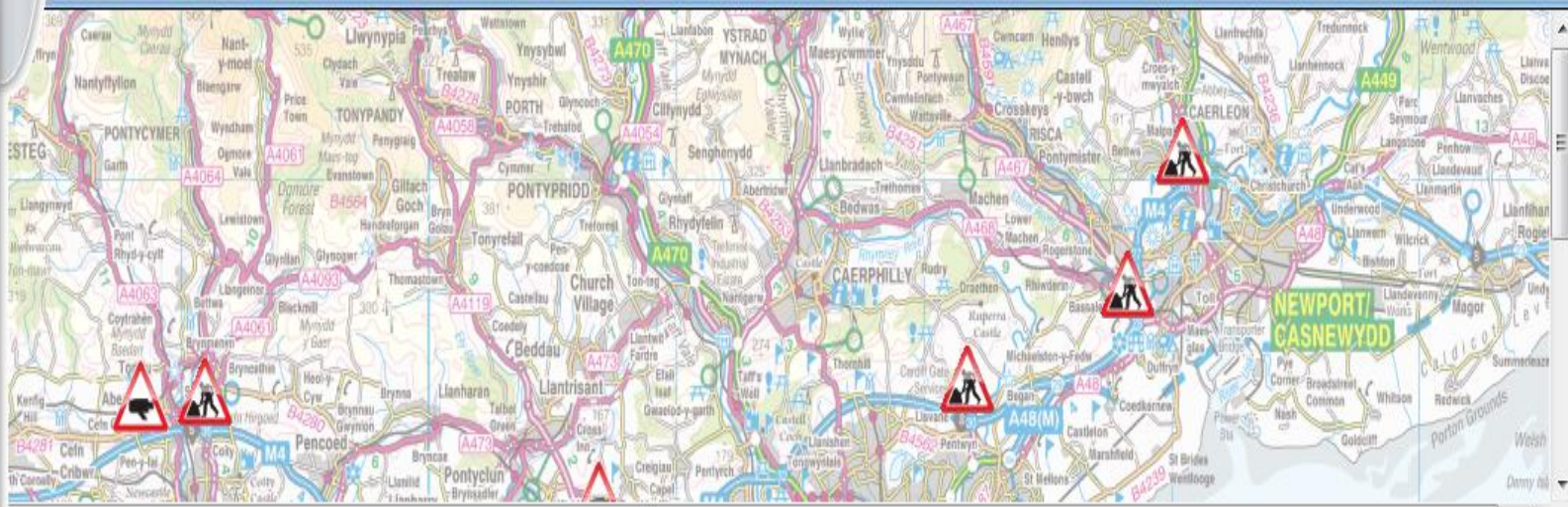
- Map
- Critical Issues
- Faults
- Strategy Manager
- Reporting

UTMC

- Accidents
- Air Quality
- Naplan
- Car Parks
- CCTV
- Detectors
- Events
- Incidents
- Meteorological
- Roadworks
- Traffic Signals
- Transport Links
- Transport Routes
- Variable Message Signs

Issue	Description	Severity	Active Since	Active Until
Valley Road Closed Bo...	A4176 Bristol - Bridge Valley Road Closed Bo...	Severe	Mar 5 2010 10:46AM	Jan 28 2011 12:00AM
ilbot - Pen-Y-Cae Road Clo...	A4107 Neath Port Talbot - Pen-Y-Cae Road Clo...	Severe	Mar 22 2010 10:48AM	Nov 5 2010 11:59PM
	Incident	Severe	Sep 12 2010 12:00AM	-
	Incident	Severe	Sep 12 2010 12:00AM	-
Higher Road Closed Westbou...	A562 Merseyside - Higher Road Closed Westbou...	Severe	Sep 21 2010 2:47PM	Nov 28 2010 11:59PM

Records: 1 To 18 Of 18





- Recognised architecture – UTMC format
 - update benefits
 - ability to add “plug and play” equipment
- Cost effective by using stakeholder equipment and data – notably Police ANPR – leverages public investment
- Public sector collaboration
- Richer sources of data – greater breadth and accuracy
- Main local authority in Wales has similar system – synergies
- Standardised structured database
- Cross border travel information – one of the first in UK
- Basis for further development

Public Outputs – New Traffic Wales website

The screenshot displays the Traffic Wales website interface. At the top, there is a navigation bar with links for Home, My Profile, Travel Menu, About Us, News, and Contact us. Below this is a sidebar on the left titled "Severe Traffic Alerts" with a red notification badge showing the number 22. The sidebar lists several roadwork alerts, each with a roadwork icon and a "View details" link. The main content area features a map of Wales and surrounding regions, overlaid with various traffic alert icons such as roadworks, incidents, and congestion. On the right side, there is a "Sign up for e-mail and SMS alerts" section with a "Map help" button. Below that is a "Travel map options" section with a list of filterable categories: Current disruptions, Traffic congestion, Incidents and accidents, Public transport disruptions, Roadworks, Events, Rail stations, Information signs, and CCTV. At the bottom right, there are buttons for "Calendar" and "Find location".

Traffic Wales

Home My Profile Travel Menu About Us News Contact us

Severe Traffic Alerts 22

A4107 Neath Port Talbot - Pen-Y-Cae Road clo... [View details >](#)

Roadworks A562 Merseyside - Higher Road closed westbou... [View details >](#)

Roadworks A5038 Merseyside - Hatton Garden exit slip r... [View details >](#)

Roadworks A565 Merseyside - Old Hall Street closed bot... [View details >](#)

Roadworks A41 Cheshire - Whitchurch Road closed both w... [View details >](#)

Roadworks A4232 Cardiff - Closed inbound due to roadwo...

Sign up for e-mail and SMS alerts [Map help](#)

Travel map options

- Current disruptions
- Traffic congestion
- Incidents and accidents
- Public transport disruptions
- Roadworks
- Events
- Rail stations
- Information signs
- CCTV

Calendar

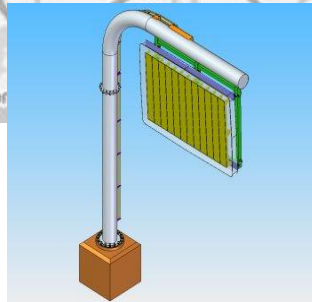
Find location



Traffic Information 'Anytime, Anywhere'



.com





Thank You for Listening
Questions??

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