

» INTEGRATED TECHNOLOGY IS SMARTER FOR EVERYONE

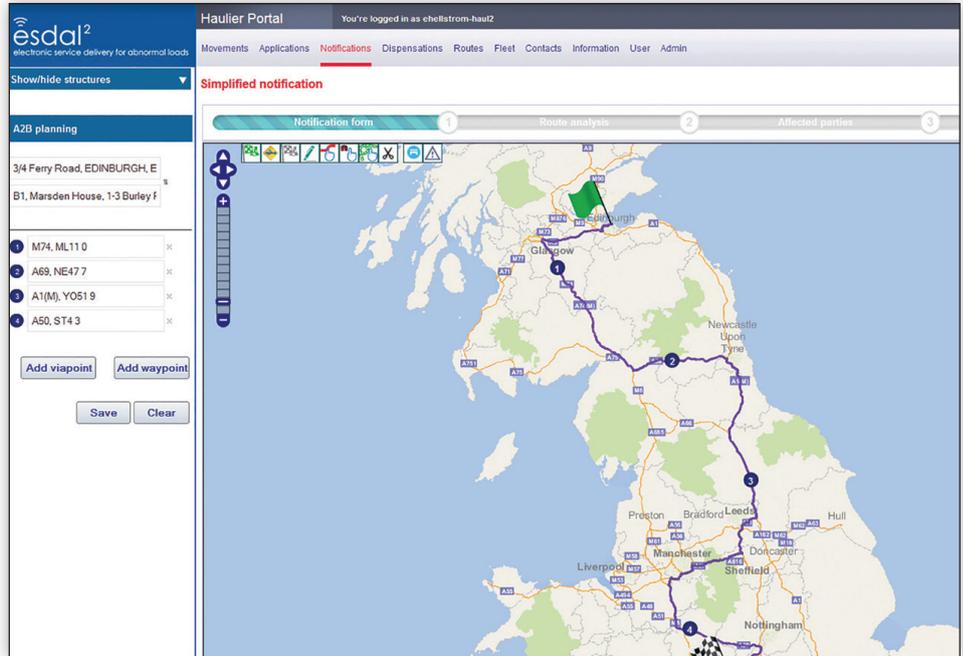


THE CHALLENGES

There are approximately 250,000 structures (bridges, tunnels, culverts etc) on Great Britain's road network. These structures are all potentially vulnerable to damage by oversize or over weight vehicles known as 'Abnormal Loads'. Consequently, the movement of abnormal loads over or through them needs to be facilitated in a safe and efficient manner. Abnormal Loads can also be slow moving so the needs of other road user must be balanced against the need to move the load.

THE SOLUTION

Highways England's Abnormal Load Team authorises and plans the movement of the largest and heaviest abnormal loads in Great Britain on behalf of the Secretary of State. In 2004 work began to develop a bespoke software application called ESDAL (the Electronic Service Delivery for Abnormal Loads) to help make the management of



abnormal loads easier and more efficient for Hauliers, Police and Structures Owners. The application was hosted on its own dedicated infrastructure that made it expensive to expand and to integrate with new and emerging technologies such as smart phones and cloud based solutions. Highways England was faced with an increasing demand from users to modernise the service and make it more intuitive and user friendly. Following a tender process in 2013 Highways England awarded Costain a managed service contract to provide the ESDAL service. This included the development of a brand new ESDAL2 software application and the ongoing provision of the user helpdesk service.

SPECIAL FEATURES

- Owners of structures on the route of an Abnormal Load movement are automatically notified of a load traversing their structure.
- A to B route planning that allows a haulier to plan a route by simply entering a start and destination address.
- Indicative Capacity Assessments that provides structures owners with a RAG status for each abnormal load.

- Help desk facility with highly experienced analysts to support users and maintain the currency of all stored data.

CUSTOMER AND STAKEHOLDER BENEFITS

- A to B route planning allows hauliers to quickly notify an abnormal load movement.
- Contemporary and intuitive user interface makes ESDAL2 easy to use and encourages user uptake.
- Managed service contract ensures the systems stay current for all stakeholders and ensures opportunities to grow and develop the service are pursued.

CONTACT

Nigel Beats
Tel: 01628 842290
nigel.beats@costain.com

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COSTAIN GROUP PLC

Costain House, Vanwall Business Park,
 Maidenhead, Berkshire, SL6 4UB
 Tel: +44 (0) 1628 842444



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