

SYSTRA secures £43.5k for AI research into road safety incidents

Transport Research and Innovation Grant will be used by transport consultancy to help designers better understand risks based on collision data

SYSTRA has secured £43.5k from the Transport Research and Innovation Grant (TRIG) to fund work on addressing road safety with artificial intelligence (AI).

The transport consultancy will use the funding to develop a novel AI application that can classify the physical environment surrounding road collisions in Great Britain, using data from OS MasterMap, Earth Observation and CAD drawings.

This will allow the identification of:

- where risks of serious and fatal collisions exist on the road network;
- what type, quantity and severity of incidents are associated with different physical environments; and
- how the existing physical environment could be changed to improve road safety

Such insights can be of value to road and urban designers, giving them a mechanism to assess the road safety risks associated with preliminary designs and how they could be improved, before work begins on the ground.

Digital Director Malcolm Calvert, whose team lead on the bid, said the research will form an important element of the work the SYSTRA Signature Team is doing using AI to understand and address road safety incidents.

"We're delighted to have received the TRIG funding, and are looking forward to helping improve road safety across the country by using AI to help find innovative solutions that we can offer to clients across a range of new projects," Malcolm commented.

"AI technology forms a crucial part of analysis, and implementing this type of technology maintains SYSTRA at the cutting edge of safety work for highways and other transport infrastructure. This project forms part of our wider vision to develop a range of digital and AI solutions to the many challenges we face in the transportation sector."

This project was one of 32 to receive a share of £1.4m from the Department for Transport fund, aimed at driving innovation and revolutionising the UK transport sector.

SYSTRA is focused on providing the digital solutions that make transport safer, more efficient and more cost effective at every stage of development, and ultimately, provide better more resilient

infrastructure for the communities that use it every day. Find out more at:
<https://www.systra.com/uk/>

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Notes to editors

About SYSTRA

SYSTRA in the UK and Ireland leads the delivery of sustainable infrastructure and environments through specialist engineering and consultancy services.

A world-leader in mobility and mass transit, we deliver planning and development consultancy, engineering design, project management, and specialist technical services, that enable the safe and efficient movement of people, goods and essential services.

With more than 1,000 employees throughout the UK & Ireland, and nearly 11,000 around the world, our shared mission is to help create and connect liveable cities and neighbourhoods, bringing people together and facilitating their access to employment, healthcare, education, and leisure.

For more information please visit www.systra.com/uk/

