



CASE STUDY

CYBER SECURITY AND INTELLIGENT MOBILITY

ABOUT THE PROJECT

Coventry University's Prof. Siraj Ahmed Shaikh led a major study into the UK Transport Sectors Cyber Security threat, in the face of rapidly emerging technological development. The team also involved Aditya Thirunavukkarasu from the Transport Systems Catapult and Dr. Paul Galwas from Digital Catapult, alongside the IET and IBM.

I found the collaboration with the TSC highly valuable. The industry and policy insights resulting from this work are highly valuable as we invest nationally in modern transport systems that need to be connected, secure, safe and resilient.

Siraj Ahmed Shaikh,
Professor of Systems Security, Coventry University



CATAPULT
Transport Systems



PROJECT HIGHLIGHTS

The activity resulted in the publication of the “*Cyber Security and Intelligent Mobility Report*”. The report undertook a major survey of the Intelligent Mobility landscape in the UK across various modes of transport, covering aspects of data, connectivity, privacy and critical infrastructure and made some recommendations to the transport industry to improve their awareness on cyber threats to transport industry.

OUTPUTS

Analysing themes and trends from expert interviews, the TSC’s research revealed some fundamentals of this unique emerging sector:

- The rapidly changing security and mobility landscape is likely to mean more cyber-attacks, more often, and potentially with more severe consequences.
- Understanding the nature of the existing issue is still a challenge.
- The UK is well positioned to respond to the challenge as it already has strong capability in cyber security.
- The technology the UK needs is not an issue – secure intelligent mobility requires a robust strategy and cultural focus.
- Privacy will be an ongoing consumer debate and opportunity-privacy is increasingly being promoted as a selling point for technology products, with 35% of consumers having made purchasing decisions based upon privacy concerns.



Coventry
University



Loughborough
University



dmu.ac.uk
DE MONTFORT
UNIVERSITY
LEICESTER

Discover more at ts.catapult.org.uk

CATAPULT
Transport Systems