

Roke

Part of the
Chemring Group



Digital resilience

a partnership between Ricardo and Roke



A new approach to cyber security

- A vehicle's boundary now sits somewhere in the cloud.
- Digital resilience is a new approach for vehicles without boundaries.
- Cross-industry collaboration with manufacturers to assess and manage digital risk as a core part of the full system lifecycle.

Manufacturers are experts in mechanical risk, but in the new era of connected and autonomous vehicles (CAVs), a vehicle's boundary is no longer its bodywork. It now sits somewhere in the cloud, making the vehicle more vulnerable to cyber attack.

So how do we design and produce the next generation of secure vehicles and realise the vision of future transport systems?

Merging insights from across the automotive and cyber security sectors, Ricardo and Roke are leading a new approach to cyber security. Digital resilience recognises the sheer complexity of CAVs, fixing vulnerabilities in today's vehicles, while ensuring future models are secure by design.

We offer a range of services alongside world-class advice to help navigate the

complex threat landscape, supporting you in developing safe and secure connected and autonomous vehicles:

Test and fix

Map cyber threats, investigate and identify vulnerabilities, assess potential impacts and prioritise business risks, planning appropriate mitigations to deliver digital resilience.

Secure by design

Integrate digital resilience into vehicle design, assessing the risks, setting security properties for systems engineering, and supporting secure development processes.

Assurance

Defining what digital resilience means for your particular context and testing systems against defined metrics.

Testing will take place at our Digital Resilience Laboratory, at Ricardo's technical centre in Shoreham.

About our partnership

Roke and Ricardo bring together 160 years of innovative engineering experience.

Our unparalleled combination of expertise in secure and resilient systems and automotive engineering means, together, we are ideal partners to support clients in the automotive industry as manufacturers become digitally resilient.



Find out how we can support your operations:
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