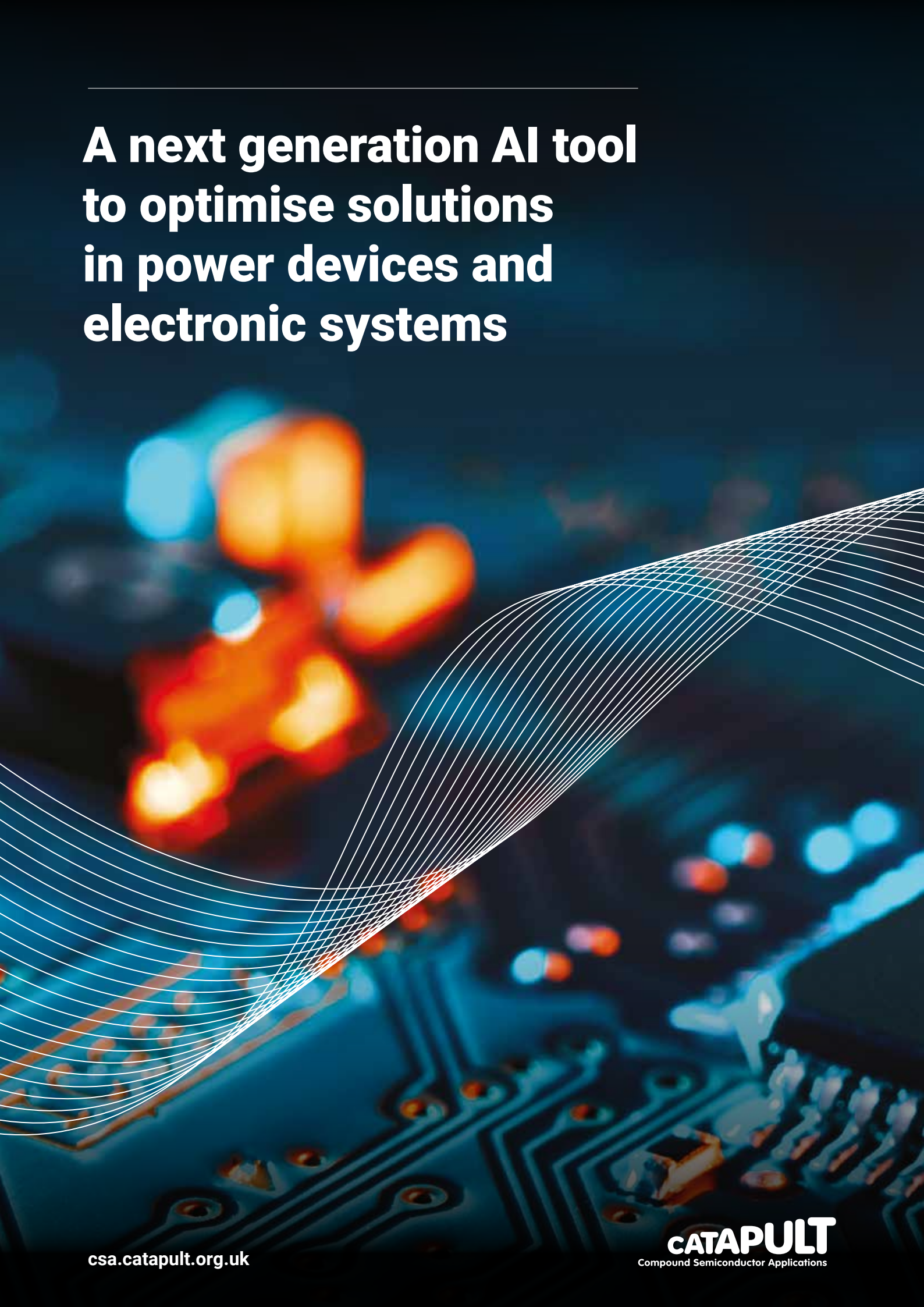
A next generation AI tool to optimise solutions in power devices and electronic systems



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Tailored optimisation:
CSA Catapult's Multi-Objective Optimisation (MOO) tool uses AI to help designers achieve the perfect balance between competing priorities in power electronics applications. From components to systems, our tool can help you make informed decisions quickly and accurately.

- **Unique data utilisation:** Access to exclusive component characterisation and measurement data to enhance design accuracy and reliability.
- **Advanced AI integration:** Smart algorithms that adapt and learn to continuously optimise design efficiency.
- **High-performance cloud computing:** Leverage unparalleled computing power for complex simulations.
- **Virtual prototyping and digital twins:** Create accurate digital models that save time and reduce physical testing.
- **Comprehensive support:** From individual components to complex electronic systems, MOO offers end-to-end optimisation capabilities.

Revolutionary design solution:
Transform weeks of power device and electronic system design efforts into minutes. Our next-generation AI tool empowers engineers to leap from conceptual design to optimised solutions, leveraging cloud computing and AI for unmatched precision and speed.

- **Speed:** Reduces design and testing cycles from weeks to minutes.
- **Precision:** Achieves optimal performance and efficiency through data-driven decisions.
- **Innovation:** Enables cutting-edge development in automotive, aerospace, PEMD and renewables.

Global OEM integration:
Our ambition is to seamlessly integrate this powerful tool into the design workflows of global OEMs, driving innovation in critical industries. Experience the future of design and optimisation.

Transform your design process today. Discover how our AI-driven tool can redefine your approach to power device and electronic system design.

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We work with Innovate UK
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