

Global. Agile. Digital.

RLE INTERNATIONAL Group



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System development and system integration for defense technology

Innovation meets security

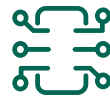
The development of defense technology is currently in a key phase. Digital networking, highly efficient system architectures and innovative technologies are of crucial importance for security and operational capability. As an experienced development partner, RLE supports companies in the defense industry with tailor-made solutions - from vehicle and system development to digital simulations.

We understand the challenges and meet them with state-of-the-art engineering, end-to-end RAMS strategies and effective obsolescence management. Together with our partners and customers, we develop the defense technology of the future - efficient, powerful and trendsetting.



Increase efficiency & usability

Reliability is key. Our optimized system architectures ensure increased uptime, better serviceability and long-term cost efficiency - so you can rely on the performance of your systems.



Modularity & interoperability

The ability to integrate new technologies into existing systems is a decisive competitive advantage. Our solutions are flexible, customizable and designed for seamless integration into different platforms.



Technological advancements

Artificial intelligence, digital simulations and networked systems open up new possibilities - but also place high demands on development and integration. Our engineers combine the latest technologies with proven expertise to provide high-performance, reliable and scalable solutions.



Highest standards & certifications

The defense industry is subject to strict guidelines and standards. We develop robust, certified solutions that meet the highest standards - from material testing and quality assurance to RAMS strategies and effective lifecycle management.

System architectures for the defense industry: Using AI, simulation and MBSE to create scalable solutions

The development of complex system architectures requires a combination of traditional engineering methods and modern technologies.

RLE combines simulation-driven design, AI-supported requirements validation and model-based development (MBSE) to create robust and scalable solutions. By closely integrating program management, simulation and verification, we ensure reliable integration and validation of systems.

Digital twins and hardware-in-the-loop (HIL) tests enable continuous verifica-

tion, while data-driven forecasts and AI-supported risk analyses identify potential vulnerabilities at an early stage.

With our expertise in concept validation, system architecture and automated compliance checks, we support the defense industry in developing powerful and interoperable systems throughout the entire lifecycle. We develop efficient, high-performance and technologically leading defense technology.



„Technological innovations in defense technology will not only have to be scalable and interoperable in the long term but also guarantee sustainable availability. Our approach combines future-proof system architectures with efficient lifecycle and obsolescence management in order to offer our partners solutions that not only secure the decisive edge today, but also tomorrow.“

Florian Schumacher
Manager Strategy and Corporate
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