

THE COMPLETE PLATFORM FOR ACCELERATING BMS ALGORITHM DEVELOPMENT

ELEV8TR™ is a comprehensive package of automotive development tools designed for OEMs looking to fast-track their Battery Management System (BMS) fast-track development of Battery Management System (BMS) algorithms.

This all-in-one suite combines the power of real-time interaction with live battery systems, advanced simulation, and seamless integration with industry-standard tools like MATLAB/Simulink.



KEY BENEFITS

INTEGRATED DEVELOPMENT ECOSYSTEM

ELEV8TR™ offers a unified platform that integrates all necessary tools for algorithm development and BMS prototyping, reducing complexity and streamlining workflows.

COMPREHENSIVE RELIABILITY TESTING

Validate your designs with confidence. ELEV8TR™ allows for extensive testing in real-world conditions, ensuring that your BMS performs flawlessly in production.

ACCELERATED TIME-TO-MARKET

ELEV8TR™ enables rapid prototyping and real-time testing capabilities help OEMs bring innovative BMS solutions to market faster, gaining a competitive edge in the battery control industry.

CONFIGURABLE SYSTEM

Powered by Infineon's AURIX™, the ELEV8TR™ performs BMS simulations on one of the top rated microcontrollers that can be configured with a bidirectional power supply range of 800W to 15kW.

KEY BENEFITS

NEUTRON
CONTROLS



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infineon

INFINEON'S PREFERRED DESIGN HOUSE

As a Global Infineon Premier Design House, Neutron Controls stands at the forefront of innovation, supporting Infineon customers in realizing their design ambitions.

KEY COMPONENTS

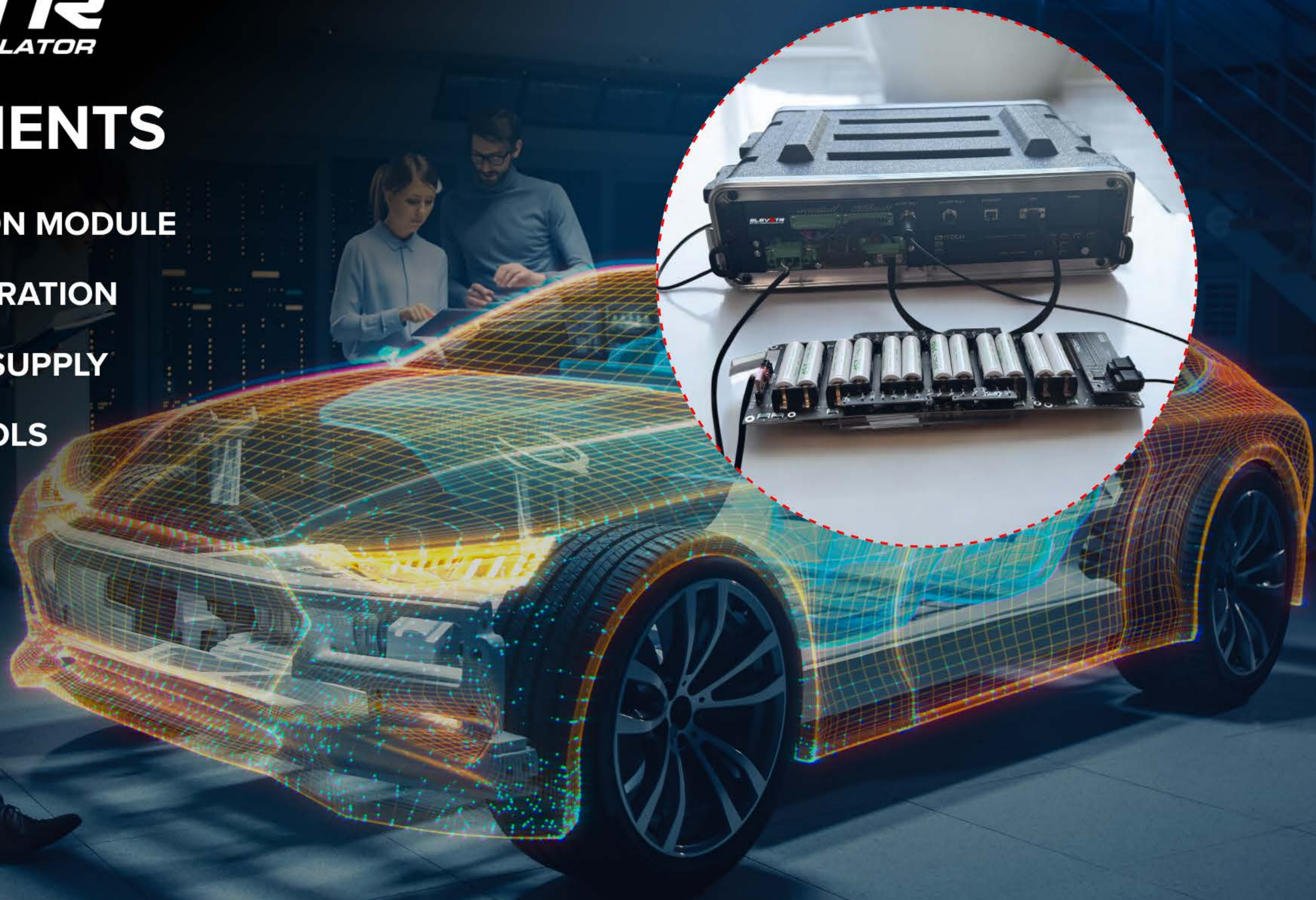
LIVE SYSTEM INTEGRATION MODULE

MATLAB/SIMULINK INTEGRATION

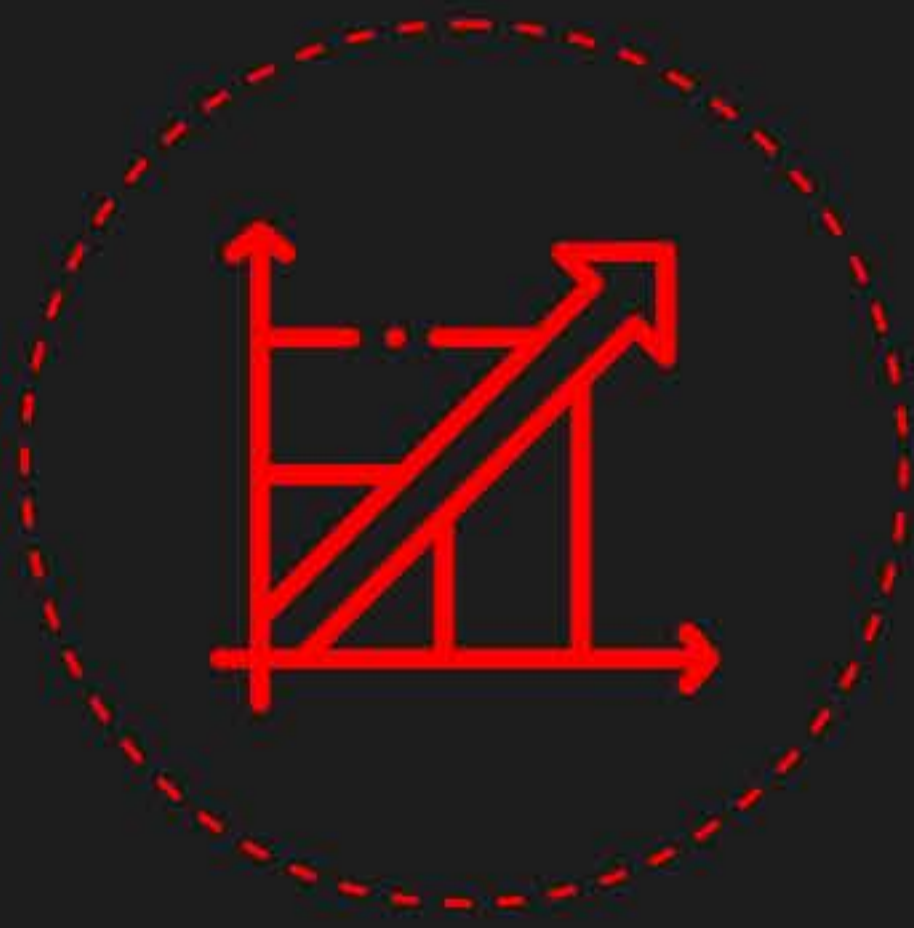
BI-DIRECTIONAL POWER SUPPLY

RAPID PROTOTYPING TOOLS

TASKING

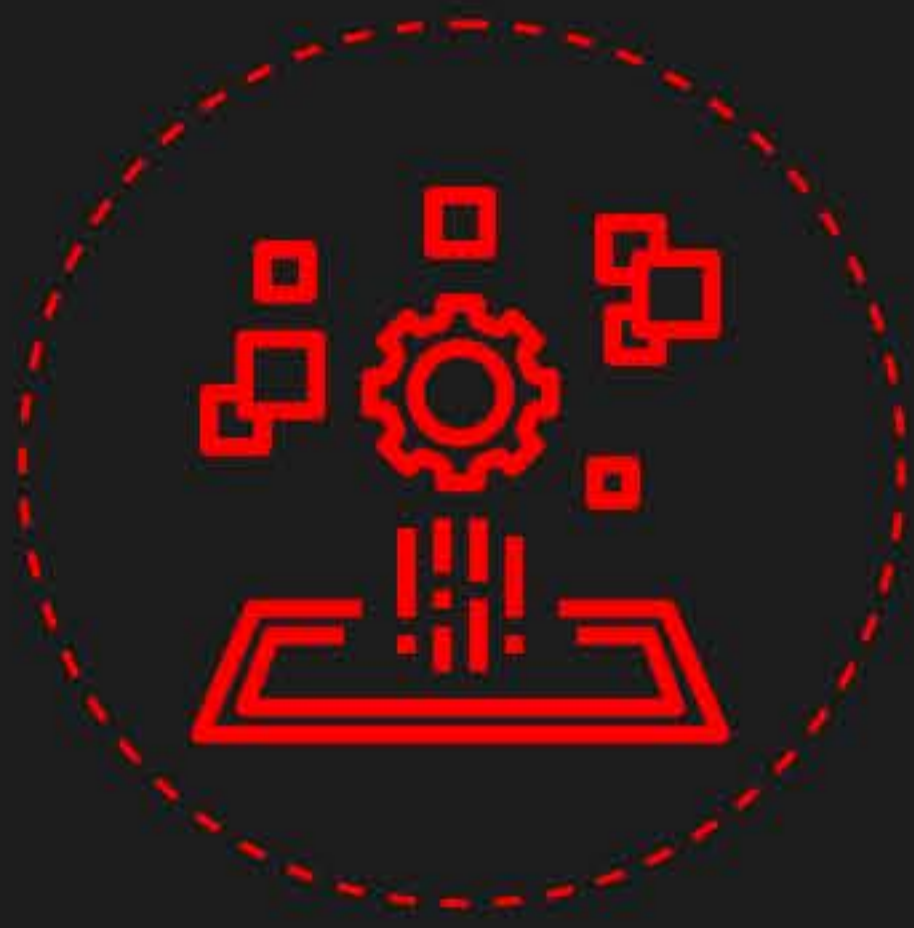


TAILORED FOR AUTOMOTIVE DEVELOPMENT



SCALABLE SOLUTIONS

Whether you're developing small-scale prototypes or robust algorithms, ELEV8TR™ is scalable to fit your needs, ensuring it remains an asset as your projects grow.



CUTTING-EDGE TECHNOLOGY

Stay ahead of the curve with the latest advancements in BMS and algorithm development. ELEV8TR™ is built to support the evolving demands of the automotive industry, making it an investment in the future of your product line.



EXPERT SUPPORT

Neutron Controls provides unparalleled support with ELEV8TR™, offering expert guidance and technical assistance to ensure your team maximizes the potential of this powerful package.



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