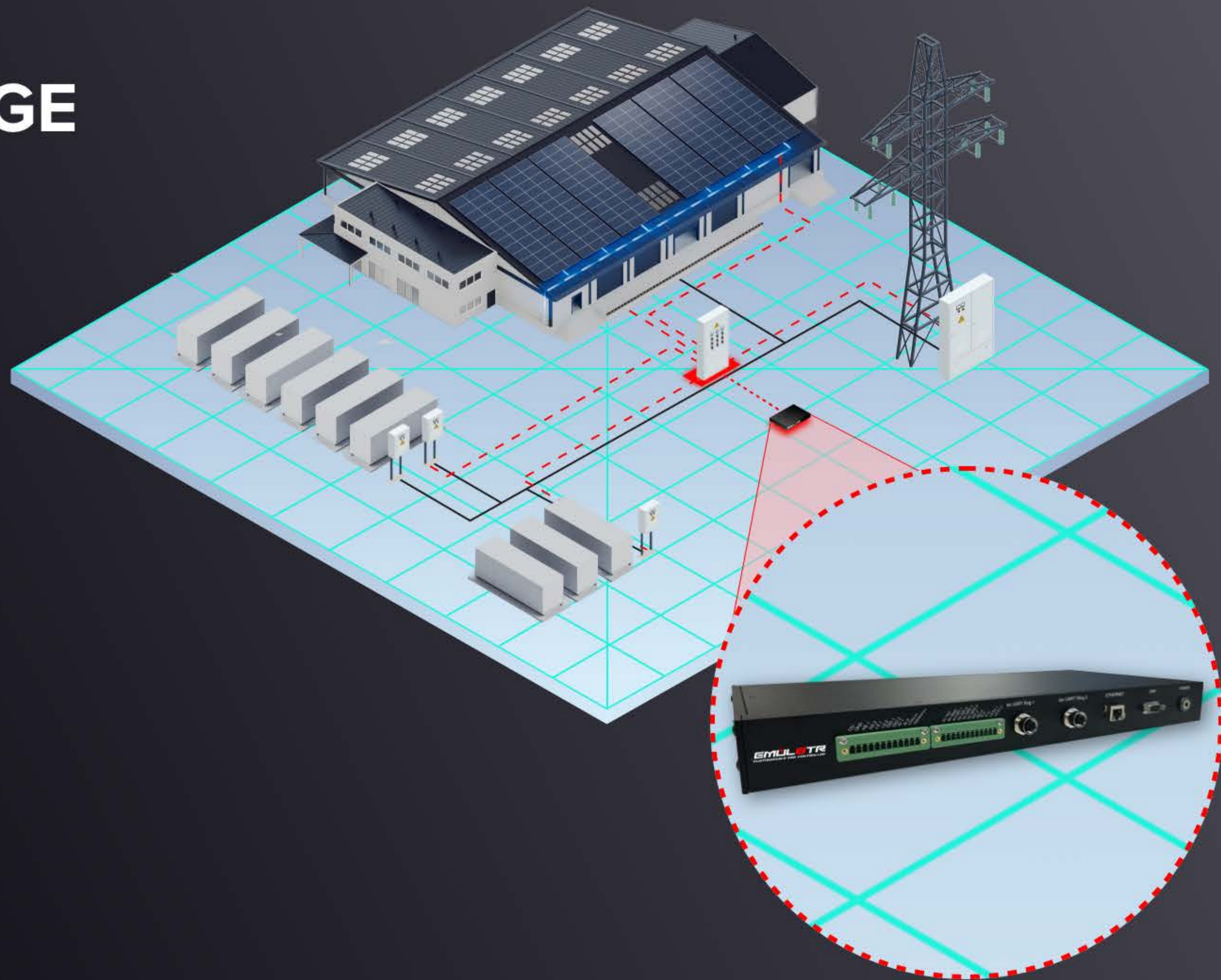


## THE SMART SOLUTION FOR ADVANCED ENERGY STORAGE MANAGEMENT

The EMUL8TR™ ESS Controller is an advanced Energy Storage System management product designed to optimize the performance of Battery Energy Storage Systems (BESS).

Tailored for use in diverse energy environments, this single, powerful controller ensures efficient energy flow, is capable of compliance to ISO26262, and provides seamless integration with various energy sources.



KEY BENEFITS



### EFFICIENCY IN ENERGY MANAGEMENT

EMUL8TR™'s intelligent platform ensures your control algorithms operate at peak efficiency within your Energy Storage System, reducing energy waste and optimizing resource utilization.



### VERSATILE APPLICATION

Suitable for various energy storage needs, EMUL8TR™ is a versatile tool that can be deployed in industrial plants, commercial buildings, and renewable energy installations, adapting to the specific needs of each environment.



### RELIABLE PERFORMANCE

Designed for robust operation and capable of compliance to ISO26262 Standards (Functional Safety), EMUL8TR™ provides ultra reliable Energy Storage System management, ensuring continuity of operations even in demanding conditions.



### FUTURE-PROOF DESIGN

As Energy Storage System technology advances, the EMUL8TR™ is designed to adapt, providing long-term value and ensuring compatibility with emerging technologies and energy sources.

KEY BENEFITS



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### 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.



## FEATURES

**ADVANCED CHARGING AND DISCHARGING CONTROL:** EMUL8TR™ manages charging and discharging cycles with precision, ensuring optimal battery performance and extended lifespan, and crucial for extending lifespan and maximizing maximizing your energy storage investment.

**GRID INTERACTION AND COMPLIANCE:** EMUL8TR™ includes advanced grid management features like peak shaving, time-of-use management, and reactive power control. These features ensure that your energy storage system complies with local regulations and optimizes energy costs.

**SCALABLE INTEGRATION:** Easily integrate with various energy sources, including solar, wind, and grid power, making EMUL8TR™ adaptable for both small-scale installations and large industrial applications.



## DESIGNED FOR TODAY'S ENERGY CHALLENGES



### OPTIMIZED FOR RENEWABLE INTEGRATION

Prioritize the use of renewable energy sources by optimizing battery charging strategies, reducing reliance on traditional energy, and supporting sustainability goals.



### EXPERT SUPPORT

Comprehensive support for EMUL8TR™, providing technical assistance and customization options to ensure it meets the unique demands of your energy storage projects.



### COMPREHENSIVE DATA INSIGHTS

Access detailed analytics on your energy usage and system performance, empowering you to make informed decisions that drive efficiency and cost savings.



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