

# BATTERY TECHNOLOGIES AND CAPABILITIES

The electrification of our society spans civilian and government mission needs. Our civilian and government partners have established energy and climate goals to improve our Nation's security and resilience. Batteries are critical to enable these national objectives to increase resilience, improve efficiency, and reduce greenhouse gas emissions.

## Accelerating the adoption of battery technologies across critical needs through mission-focused research and systems engineering.

MITRE's work in batteries is focused on meeting the needs of our federal government sponsors and private sector partners. For example, MITRE:

- Evaluates the potential performance and impact of new advances
- Integrates end-to-end modeling architectures for battery applications
- Conducts performance testing of cells and packs in relevant conditions
- Prototypes novel and niche battery technologies for critical missions
- Performs risk assessments to the battery value chain

MITRE brings together diverse expertise, both internally and through external collaboration, to tackle complex problems to advance battery technology adoption.

We are interested in partnering with you to advance emerging battery technologies, meet your critical battery storage needs, and develop and deploy battery storage technologies.

For information about MITRE's battery expertise and capabilities, contact [energy@mitre.org](mailto:energy@mitre.org).



Lithium-based batteries power our daily lives from consumer electronics to national defense.”

Hon. Jennifer Granholm, Executive Summary National Blueprint for Lithium Batteries 2021-2030, Federal Consortium for Advanced Batteries June 2021.

*MITRE's mission-driven teams are dedicated to solving problems for a safer world. Through our public-private partnerships and federally funded R&D centers, we work across government to tackle challenges to the safety, stability, and well-being of our nation.*



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