

# Energy Storage Innovation for a Reliable, Affordable, and Secure Electric Power Grid

## Grid Storage Launchpad (GSL)



*Accelerating the development of next-generation grid energy storage technologies that are critical to supporting a reliable, affordable, and secure electrical grid.*

## 100 kW Testing Chambers



*Dedicated chambers for testing energy storage technologies that can scale up to the 100 kW, under realistic grid duty cycles, use cases, and operating conditions.*

## Pilot Prototyping



*Specialized prototyping equipment is available to design new technologies and validate that they can scale into industry-relevant formats.*

## Materials Discovery



*Applying novel approaches used for materials discovery and synthesis using digital twins, physics-informed data models, and high-throughput experimentation.*

## Advanced Characterization



*Leveraging a suite of advanced tools to bring together all stages of the battery development cycle, the GSL is a national capability that directly supports key outcomes of the Office of Electricity's energy storage programs.*

## BCI Innovation Award



*In May 2025, the GSL was honored with the 2025 Battery Council International (BCI) Innovation Award for being a national resource for accelerating the development, validation, and deployment of battery energy storage systems.*

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**Alignment:** This project is testing new energy storage technologies under grid duty cycles, which is crucial for meeting the administration's goal of providing reliable, affordable, secure, and resilient energy.