

ACCESS ENERGY STORAGE AT ARGONNE

Collaboration Opportunities with a World Leader in Energy Storage Research



Argonne battery researcher Manar Ishwait examines prototype electrodes in preparation for assembly and testing in laboratory cells.

Argonne's energy storage portfolio captures every point on the spectrum from invention to application.

- New materials research
- Materials characterization
- Process scale-up
- Process and systems modeling
- Cell fabrication
- Performance and life testing

Argonne unlocks the potential of energy storage, helping public- and private-sector partners turn science into solutions.

The U.S. Department of Energy's Argonne National Laboratory is a global leader in energy storage, leading the way through multiple generations of batteries used in vehicles and the grid to breakthroughs beyond lithium-ion.

The Argonne Collaborative Center for Energy Storage Science (ACCESS) is a collaboration of scientists and engineers from across Argonne that solves energy storage problems through multidisciplinary research.

Argonne's ultimate goal is to transfer battery innovations to the marketplace, providing processes, materials, performance testing data, and finished cells to industries ranging from transportation to consumer electronics to materials manufacturing. Working with Argonne, public and private partners realize their potential to bring transformational energy storage to the world.

THE ADVANTAGE OF WORKING TOGETHER

The increasing complexity of scientific challenges requires access to resources that public and private partners—particularly small and medium-sized businesses and universities—cannot necessarily muster. Argonne's unique talent and tools can be leveraged to enhance industry's capabilities and deliver science breakthroughs to real market solutions in energy storage.

Argonne's leadership in energy storage research is exemplified by the Joint Center for Energy Storage Research (JCESR), a public/private partnership headed by Argonne. JCESR brings together world-leading scientists, engineers, and manufacturers from five national laboratories, ten universities, and five industrial firms to create game-changing, next-generation battery technologies.

RESOURCES FOR A NEW ENERGY FUTURE

Argonne addresses energy storage challenges with a unique combination of resources not found anywhere else. We tackle each challenge with a customized team assembled from our 1,600 award-winning and internationally recognized scientists and engineers.

Argonne has a long, distinguished history in energy storage research, from the very first experiments on high-temperature lithium-sulfur batteries in the late 1960s to today's development of new technologies that move beyond lithium-ion. The road to energy storage innovation travels through Argonne.



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