



*The **Battery Innovation Center (BIC)** is a non-profit, public-private partnership joining industry, DoD/DoE, and academia to rapidly develop, test, certify, and commercialize the next generation of safe, reliable, and lightweight energy storage systems.*



Since opening in 2013, the mission of the BIC continues to focus on accelerating innovation in the field of battery technology by providing a single point of access for battery research, development, certification, testing, and commercialization. Located near NSWC Crane, the BIC has supported over 400 companies across thousands of energy storage projects, since opening.

The BIC's unique capabilities, network partnerships, and facilities allow for a highly adaptable mechanism for advanced battery development, testing and validation, certification, education, and commercialization of energy storage systems and associated products.

Capabilities

- **Advanced Cell Fabrication:** Proof of commercialization cell manufacturing center supports multiple cell formats, all within a <1% RH dry lab. Industry expertise in cell manufacturing process validation, cell chemistry evaluation and design, and battery material development with analysis. BIC also has over 300 cell cyclers with EIS capabilities and temperature chambers to form and test.

- **Testing and Evaluation:** BIC provides unparalleled performance, abusive, and EHS (Environmental Hazards and Safety) testing, along with failure analysis services. With over 120 individual cycler channels, programable grid simulators, controlled environmental chambers, and purpose built destructive equipment, BIC has the capabilities to test



and evaluate almost any battery-related product from individual cells up to battery systems of 1MW+. BIC is also home to the UL Battery Energy Storage Technology (BEST) test center. BIC also operates one of the largest U. S. Vehicle-to-Grid (V2G) testbeds, including MISO connectivity (Midcontinent Independent System Operator). BIC provides comparative analysis services on battery designs, components, supporting infrastructure, software, facility and personnel safety, and systems.

- **Education, R&D, and Consulting:** With a broad and talented staff of battery engineers, chemists, and material science experts, BIC offers classroom and hands-on learning CEU training courses that are university accredited to help develop advanced chemistry energy storage thought leadership. Finally, the BIC will develop customized classroom learning and hands-on curriculum to meet your company's unique needs.



The BIC Network is a collaboration between key partners in commercial, academia, and DoD sectors. Our members today include startup companies, working on cutting-edge materials and technology, to large multi-national industry leaders. Membership with the BIC enables your company to network with our other members, along with support and training opportunities.



Membership Benefits

- Direct access to the BIC's network of companies and resources.
- A complimentary seat to our Battery Education Courses (hosted monthly, typically \$1,950 per seat), and all additional seats at discounted rates (varies by level of Membership).
- Discounted, on-site, customized training at your facility.
- Complimentary seats to the annual BIC stakeholder's luncheon and technical networking sessions, with the opportunity to speak/present (varies by level of Membership).
- Discounts on equipment and facility charges.



Want to learn more? Contact us at (812) 863-2424 or info@bicindiana.com