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INL's Energy Innovation Laboratory

The Energy Innovation Laboratory is the gateway to Idaho National Laboratory's Research and Education Campus in Idaho Falls.

This new research facility houses INL researchers related to Energy and Environment Science & Technology, Nuclear Science & Technology, and the Advanced Test Reactor National Scientific User Facility. The 148,000-square-foot facility offers three stories of modern, open-floor laboratory space and flexible, state-of-the-art lab tools, equipment and resources.

The EIL enables INL researchers to pursue innovative solutions to national energy challenges in advanced clean energy and related environmental science, and consolidates some of INL's fundamental research and development activities.

The flagship science facility – located on University Boulevard near the Center for Advanced Energy Studies, Energy Systems Laboratory and national security research buildings – demonstrates INL's commitment to closer

university-industry-national laboratory partnerships. From this campus setting, researchers can effectively offer international leadership in energy innovation and industry outreach.

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Aaron Wilson investigates industrial wastewater recycling at EIL as part of INL's water technology research efforts.

The Energy of Innovation



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Laboratory Space

The two three-story laboratory buildings greatly improve INL's ability to quickly reconfigure research labs for new projects and emerging requirements. Laboratory space is designed to be flexible to accommodate the changing nature and size of research projects. Open offices and meeting spaces are conveniently located close to the labs.

The more than 127 flexible laboratory space modules are dedicated to chemistry and engineering research that can be modified as research and projects demand. Laboratories support chemical sciences, nanotechnology, water chemistry, advanced microscopy, control systems, high-temperature testing, thermal hydraulics, materials testing and characterization, separations technology, and advanced instrument training.

Meeting Center

The one-story INL Meeting Center's entryway opens into a reception space where visitors and the public can attend colloquia, seminars, conferences



EIL's entryway opens into a meeting space where visitors can attend colloquia, seminars, conferences and educational events.

and educational events. A 275-seat meeting area and smaller conference rooms host meetings and workshops. Among those expected to make use of the meeting center are customers and collaborators, elected and government officials, university leaders, foreign dignitaries, and corporate officials.

Public spaces can be accessed directly from the meeting center lobby, which also serves as an entry for researchers to access their respective secure spaces. A primary goal of the EIL facility is to create an environment that fosters

creativity and collaboration among colleagues. Casual meeting spaces are available in the EIL, and break rooms – along with highly visible and inviting outdoor gathering spaces – provide opportunities for informal interactions.

Certified as LEED Platinum (Leadership in Energy and Environmental Design) by the U.S. Green Building Council, the EIL is the first INL building to achieve the top level of sustainable building design. Only the fourth platinum commercial building in Idaho, the EIL uses solar access and natural ventilation, which reduces the energy load during seasonal transitions.

The Department of Energy's Idaho National Laboratory has signed a 10-year lease agreement for the EIL, which was built under a third-party lease arrangement and is owned by Ormond Builders.

This facility is becoming a gathering place for national and international visitors, where researchers can share discoveries and insights into energy innovation.

For more information

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Researchers Darrell Knudson, left, and Keith Condie test nuclear instrumentation and test rig survivability at EIL's High Temperature Test Laboratory.

