



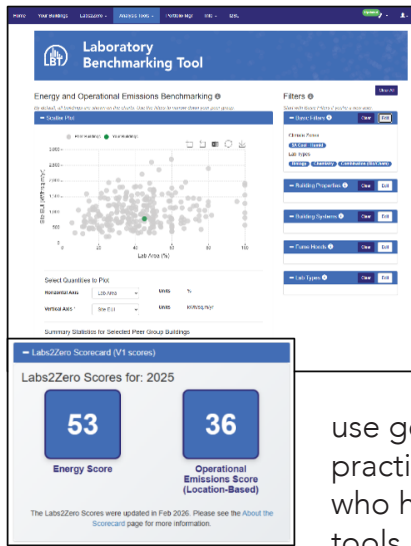
I2SL's Labs2Zero Program

Tools to Save Energy and Costs in Lab Buildings

The Labs2Zero program provides tools to assess and improve the performance of lab facilities globally. These widely used tools, which focus on whole-building energy usage and the most energy-intensive building systems, are designed to help lab facility owners and their teams achieve cost-effective energy and operational cost savings.

Identifying High-Performance Labs

Labs2Zero lets you see where your buildings stand among peers. The program provides **free performance scores** for lab buildings, which can be used to track performance, recognize success, or prioritize attention within a portfolio of buildings.

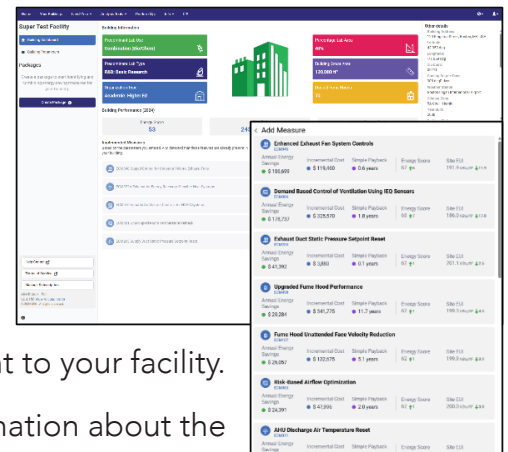


To obtain performance scores, enter your building's data in the **Laboratory Benchmarking Tool (LBT)**. Each building entered in the LBT receives an **Energy Score** and an **Operational Emissions Score** that rank the building's performance on a 1-100 scale. Only about a dozen datapoints are required, and the scores are being used in energy audits, corporate sustainability reports, and GRESB submissions.

The LBT also includes many other benchmarking features, including a Target Setter tool that organizations are using to establish energy use goals; embodied carbon benchmarking; and benchmarking of operational practices in lab facilities. I2SL invites you to join the thousands of other users who have taken advantage of the LBT's free and easy-to-use benchmarking tools at <https://lbt.i2sl.org>.

Finding Opportunities for Savings

In 2025, I2SL launched the **AIM Report**, a major new software tool designed to **identify and quantify energy-saving opportunities** in lab facilities. AIM focuses on the most energy-intensive systems with the most savings potential in labs: the ventilation (HVAC) systems and lab equipment loads. AIM imports building data from the LBT and enables you to create a tailored package of energy conservation measures based on your savings goals and priorities. The tool provides estimates of energy savings and implementation costs for each project, next steps for project development, and real-world case studies relevant to your facility.



AIM is designed to be easy to use for anyone with access to information about the building's systems and energy use. Building staff and their consultants are using AIM as part of lab energy assessments to identify and build the business case for the most promising opportunities to reduce operational costs in their facilities.

Try the Labs2Zero Tools

Nearly all the Labs2Zero tools are completely **free to use**, including the LBT, the performance scores, and the Champion accreditation described below. The AIM Report software includes a free demo with access to six common lab efficiency measures. And all the Labs2Zero tools can be used by buildings globally, in U.S. or metric units.

Don't have your building data compiled yet? The LBT includes a feature to create an example building, allowing you to test-drive the tools with one click of a button.

Useful links

Get started using the tools:
<https://lbt.i2sl.org>

More information about Labs2Zero:
www.i2sl.org/labs2zero

Quick answers to common questions:
<https://help.i2sl.org>

Training for Expertise and Professional Growth



Participants at a Labs2Zero workshop in Canada.

For those who want to learn more about the Labs2Zero tools, I2SL and its chapters around the world offer hands-on workshops on how to use the LBT and AIM software, including at the **I2SL Annual Conference** each fall.

I2SL also offers **professional accreditation** to those who wish to demonstrate their knowledge of energy efficiency in labs and best practices for using the Labs2Zero program tools. **Labs2Zero Champions** take a one-hour course and pass a short knowledge quiz. I2SL has already certified Champions from its chapters in 14 U.S. states and two other countries, and the numbers are growing. In the near future, I2SL will

also offer Labs2Zero Expert training to those interested in becoming resident experts at their organizations or in training other lab building professionals on using the tools.

How the Tools Were Developed

I2SL developed the Labs2Zero program with input from over 100 industry experts volunteering on eight **Technical Advisory Councils**, and with the support of several development partners, including Lawrence Berkeley National Laboratory. The program was made possible by more than 30 sponsoring organizations from across the lab industry. I2SL is grateful for the support of our volunteers, partners, and sponsors. And the library of tools continues to grow—stay tuned for more from Labs2Zero!

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