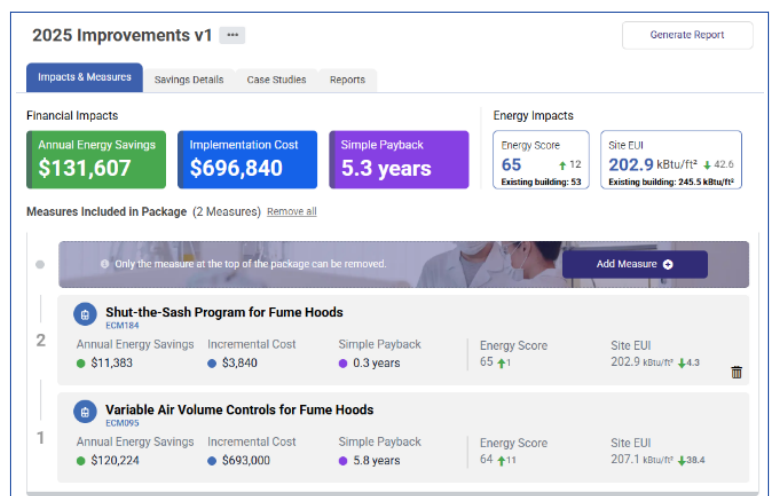# AIMReport™
Actionable Insights and Measures

A Customizable, Automated Lab Energy Audit

Looking to kick-start the conversation about improving efficiency in your lab building, or in a client's facilities? The international Institute for Sustainable Laboratories (I2SL) offers an online tool to help aim your lab energy-saving initiatives in the right direction. The **Actionable Insights and Measures (AIM) Report**, the latest offering from I2SL's Labs2Zero decarbonization program, is an automated lab energy audit software that highlights opportunities for lab buildings to reduce their energy use.

Based on facility and utility data entered into the I2SL **Lab Benchmarking Tool** (LBT), the AIM Report provides a screening level assessment, roughly equivalent to an ASHRAE Level 1 audit. It suggests energy conservation measures specific to your building, along with estimated costs, energy savings, return on investment, next steps to implement the measures, and case studies of the measures in action.

The AIM Report can be used and customized by facilities teams, engineering consultants, utility companies, product manufacturers,

and others interested in lab building improvements. The results of the AIM Report can stand alone as a high-level initial scoping assessment for energy-saving opportunities or can be incorporated in energy studies or campus assessment programs.

Why Use the AIM Report Software?

There are several features that set the AIM Report apart from other energy auditing tools:

- **Accessibility to anyone**—users don't have to have extensive building expertise, and the building, equipment, and utility data needed is not complicated.
- **Quick results**—no need to build energy models or conduct walk-throughs; the AIM Report software identifies proven lab energy-saving measures with a few clicks.
- **Unbiased analysis**—the software makes assumptions based on experts' industry knowledge and allows users to refine their inputs to get more accurate results.
- **A low-cost approach**—subscribers can evaluate a whole portfolio of buildings for a fraction of the cost of just one onsite energy assessment.
- **Extra features**—more than just a list of measures, the tool analyzes costs and energy savings for implementing each measure—as well as from bundling various measures—and provides case studies of each measure in action.

How Does the AIM Report Work?

The AIM Report performs custom savings calculations for each building. The tool takes a lab building's data from the LBT, combines it with a series of assumptions that were developed based on I2SL members' expertise, and uses this information to configure an "energy model" of the facility and its operations. Many of the assumptions can be fine-tuned by the tool user based on available data or to evaluate different retrofit scenarios.

The AIM Report pulls from a library of 26 different lab-specific energy-saving measures to identify the most relevant measures for the facility given its building parameters and current operations. The energy model then accesses typical weather data for the building's location to calculate the estimated energy savings associated with all applicable measures. These are combined with estimated project implementation costs and return on investment to aid in decision-making.
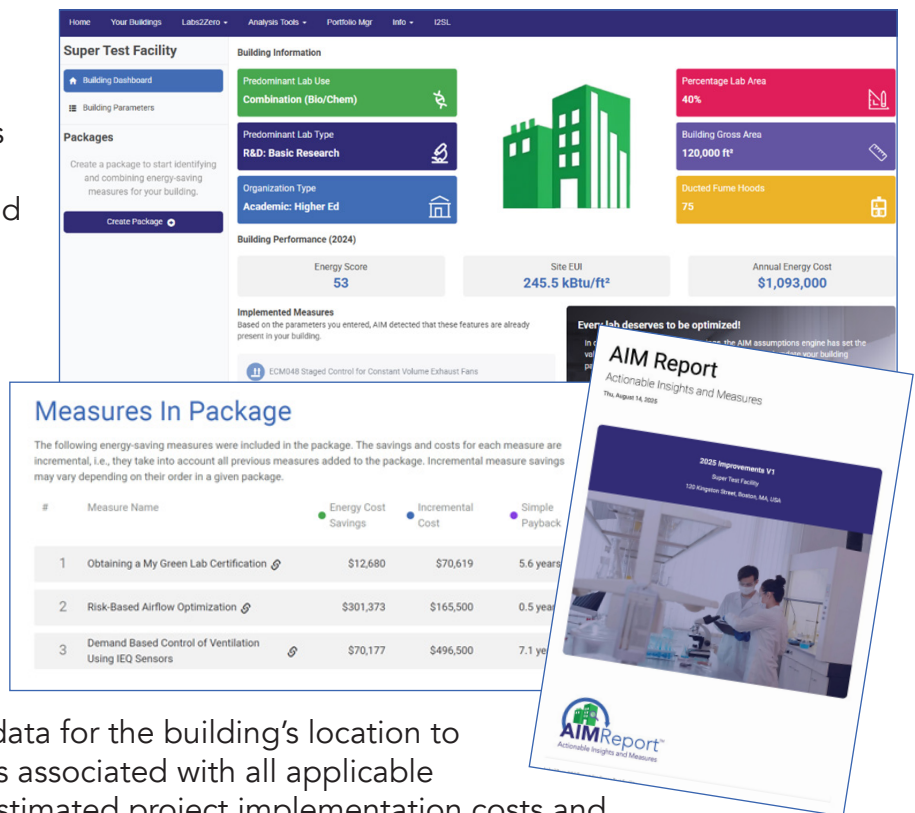
The AIM software allows the user to assemble a "package" of measures, taking into account interactions between measures, and presents the incremental savings and costs of each measure added to the package.

The costs and savings presented in the AIM Report are high-level estimates for potential projects that may be considered for implementation, and they are intended to provide guidance on the financial impacts of potential energy-saving opportunities. Before implementing measures, users should engage qualified personnel, relevant stakeholders, and vendors to provide input.

Thanks to Our Partners and Sponsors!

The AIM Report was created by I2SL and several development partners—including SmithGroup and Buro Happold—with support from **30 Labs2Zero sponsor organizations**. Additional guidance was provided by several Technical Advisory Councils (TACs) composed of volunteer subject matter experts from across the laboratory industry.

Subscriptions to use the AIM Report software are available on a monthly or annual basis. There is a "demo" version of the AIM Report software that allows anyone with a Lab Benchmarking Tool account to try all the features of the AIM Report with a limited number of energy conservation measures. Visit **www.i2sl.org/aim-report** *for subscription options and costs.*

International Institute for Sustainable Laboratories

Check out the AIM Report at https://lbt.i2sl.org/