

I2SL UK Chapter Membership Presentation

Connect • Learn • Benchmark • Influence

Helping organisations create safer, smarter and lower-carbon
research environments.



International Institute for
Sustainable Laboratories



About I2SL

The International Institute for Sustainable Laboratories (I2SL) is devoted to the principles of sustainable laboratories and related high-technology facilities, from design to engineering to operation. Through worldwide partnerships and the exchange of technical expertise, I2SL will encourage the development of high-tech facilities that address the rapid pace of science, medicine, research, and development in an ever-changing and dynamic environment.

Mission:

To be the leading forum, engaging all stakeholders to share knowledge and expertise in the design and operation of safe and sustainable science and technology facilities.

Vision:

All UK science and technology facilities to be designed, built and operated in a quantifiable, safe and sustainable manner.

I2SL Chapters

- Arizona
- Colorado
- Georgia
- Great Lakes
- Greater Los Angeles
- Greater New York
- Heart of America
- National Capital
- New England
- North Carolina-Triangle
- Northern California
- Pacific Northwest
- San Diego
- St. Louis
- Texas
- Australia
- China
- Singapore
- UK

Why Research Facilities Need Collaboration



- Net-zero and ESG pressures
- Rising energy costs
- Increasing technical complexity
- Demand for safer and more efficient facilities
- Need for industry benchmarking and shared learning

I2SL provides a collaborative platform for owners, operators, consultants, designers and suppliers

Membership Benefits

Laboratories and high-tech facilities are among the most energy-intensive, resource-demanding spaces in the built environment. As we work toward critical net-zero targets and more resilient infrastructure, transforming how we design, build, and operate these complex spaces is one of the most vital challenges our sector faces.

That is precisely why the I2SL UK Chapter exists: to bring together engineers, facility managers, architects, sustainability leads, academic researchers, and industry specialists to share knowledge, challenge standard practices, and accelerate sustainable solutions across the UK life sciences and research sectors.



By joining our community, you have access to:

- **Collaborative Knowledge Sharing:** Gain insights into cutting-edge decarbonisation strategies, circular economy practices in lab ops, and ventilation optimisation.
- **Peer-to-Peer Networking:** Connect directly with fellow professionals driving sustainable change across academia, pharma, healthcare, and commercial research.
- **Events & Site Visits:** Participate in our technical workshops, panel discussions, and tours of state-of-the-art sustainable lab facilities across the UK.
- **Working Groups:** Help shape best practices and industry guidance by actively participating in our topic-specific working groups.

Our strength lies entirely in the active involvement and diverse expertise of our members. Whether you are bringing years of experience in lab engineering or are just beginning your sustainability journey, your voice, ideas, and questions are immensely valuable to this community.

Membership Benefits

- ✓ Industry networking
- ✓ Technical learning
- ✓ Research participation
- ✓ Early event access
- ✓ Global best practice
- ✓ Influence future guidance
- ✓ Benchmarking support
- ✓ Professional development

Member Value:

- Better operational performance
- Reduced energy consumption
- Stronger sustainability credentials
- Enhanced professional networks

What Our Events Look Like

Practical insights, peer discussion and real-world case studies.

- Regular Case Study events/site tours
- Engagement and Networking events
- Lab Benchmarking Workshops
- Labs2Zero Sessions
- Industry Conferences
- Technical Roundtables
- Knowledge Exchanges



Research and Technical Leadership

- I2SL Lab Benchmarking Tool
- Labs2Zero engagement
- Fume Hood Challenge
- Technical guidance reviews
- Net Zero Carbon Buildings Standard engagement
- Metering and measurement guidance



Research and Technical Leadership

**Lab Energy
Score**

**Training and
Accreditation
Programme**

**Actionable
Insights and
Measures
(AIM)
Report**

**Lab
Emissions
Performance
Certification**

**Emissions
Scorecard
for Labs**

Design2Zero

**Embodied
Carbon
Benchmarking
Tool**

Benchmarking allows laboratories to compare energy, carbon and operational performance against peers and identify opportunities for improvement

Benefits for Organisations

- Energy & Carbon
- Safety & Compliance
- Operational Efficiency
- Knowledge Sharing
- Staff Development
- Industry Recognition

A modest membership investment can deliver significant value through operational improvements and access to expert networks

Why Join Now?

Growing momentum around net-zero research facilities, benchmarking, operational excellence and industry collaboration makes this the ideal time to get involved

I2SL UK Chapter Committee



Phil Macdonald
Director, Chair



Elad Levin
Director, Vice-Chair



Galvin Tarling
Director, Treasurer



Andrew Somerville
Director, Secretary



Tom Holbrow
Director, Membership & Communications Officer



Nick Jones
Deputy Membership & Communications Officer



Rebecca Finlay
Director, Events & Marketing Officer



Laura Le Maire
Deputy Events & Marketing Officer



Tracy D'Souza
Director, Research & Technical Officer



Phil Kelly
Deputy Research & Technical Officer



Get Involved

**Join a network shaping the future of sustainable
research facilities in the UK**

www.i2sluk.org.uk



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