Congratulations to the project team:

Project Architect - **Robert Matthew Noblett, Behnisch Architeken,** Boston
Lab Planner - **Josh Meyer, Jacobs Laboratory Planning Group,** Tarrytown, NY
MEP /Fire Protection - **van Zelm Heywood & Shadford, Inc.**
Structural Engineering - **Buro Happold Consulting Engineers P.C.,**
General Contractor - **Turner Construction Company**
Fume Hoods and Casework – **Mott Manufacturing**
Work Surfaces – **DURCON**
Laboratory Fixtures – **WaterSaver Faucet**

We would like to thank our outstanding panel of Judges:

Co-Chairs : **Leslie Ashor -** HOK and **Brian Richard -** Kirksey Architecture

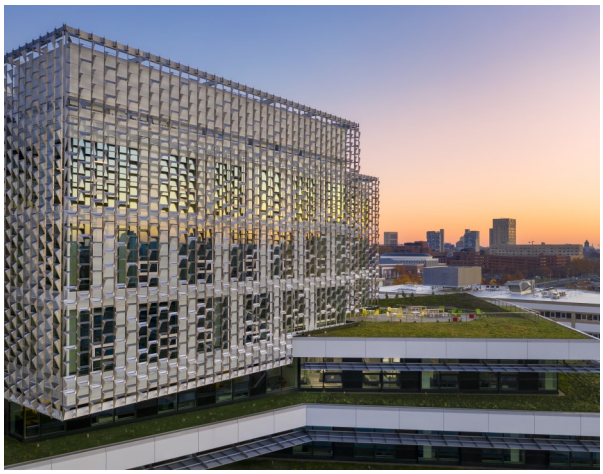
Victor Cardona - VJ Cardona Consulting
Abbie Gregg - AM Technical Solutions
Tom Sonk - Newmark Knight Frank
T.H. Chang - T.H. Chang Consulting
Tim O'Connor - The Rockefeller University
Daniel Wentzlaff - NW Architekten

This panel went above and beyond in not only judging the competition, but redefining the submission and judging criteria for the SEFA Lab of the Year®.

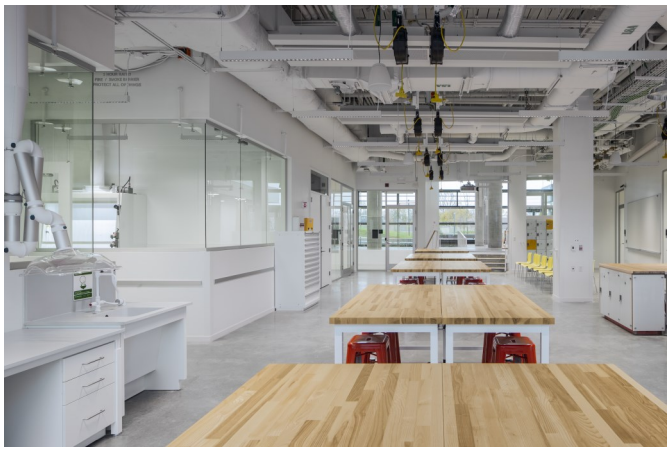
Visit us at sefalabs.com for information on the Harvard Science and Engineering Complex, interviews of the Judges, and details for the 2022 Competition!

Harvard University Science and Engineering Complex (SEC) designed by Behnisch Architekten named 2021 *SEFA Lab of the Year*®

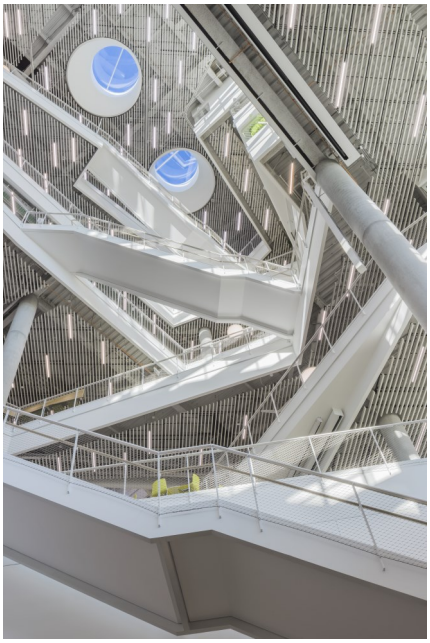
Located directly across the Charles River from Harvard's historic Cambridge campus, the SEC is the University's latest significant addition to its Allston campus. Its diverse mix of labs and collaborative spaces also furthers a robust culture of interdisciplinary work. The SEC's cutting-edge laboratory space, generous approach to collaborative environments and innovative, high-performance façade support the research of some of Harvard's most translational innovators as they work on visionary projects inside the building, such as flying and swimming microbots, wearable robotics, data privacy tools, novel drug delivery platforms, and brain-electronic interfaces, to name a few.



The healthiest building on the Harvard campus



Charged with making the SEC the "healthiest building on the Harvard campus," the Behnisch team reinforces Harvard's robust commitment to sustainability with a design that has earned both LEED Platinum and Living Building Challenge (LBC) Petal certification in Materials, Beauty, and Equity. Unprecedented for a building of this size, the LBC Materials Petal attests that the building has been constructed with healthier materials that are free of key harmful chemicals and comply with both the LBC Red List and meet the rigorous requirements of Harvard's Healthier Building Academy, a partnership among faculty from SEAS, the Harvard T.H. Chan School of Public Health, Harvard Medical School, and Harvard Office for Sustainability. Behnisch Architekten's design for the SEC is an exemplar of sustainability and cutting-edge technologies, combining performance and aesthetics.



In addition to innovative heating and cooling systems, daylighting, and a vegetated roof approximately the size of five football fields, the firm worked with Transsolar to develop an integrated climate and energy concept with special emphasis on facade design, natural ventilation, and laboratory ventilation. The greenhouse gas emissions are expected to be up to 50 percent lower than those of a comparable buildings. Minimum air flows, laboratory ventilation management planning and high-efficiency heat recovery are priorities of the building systems planning. To reduce energy ventilation air flows and building thermodynamics were driven down. This enables, in conjunction with a high-performance façade, the use of low-energy hydronic systems for interior building conditioning, using one-third the energy of comparable air-driven systems. Large glass atria and highly glazed interior partitions transmit daylight deep into the heart of the building.

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