



A History of Sustainability

Green Design Before LEED® and Since

Aeck Associates (1942) merges with
Lord & Sargent (1984) to form
Lord, Aeck & Sargent
Lord, Aeck & Sargent [2018] merges
with Katerra to form
Lord, Aeck & Sargent, A
Katerra Company



USGBC launches the
LEED® rating system

A **Manufacturing Research Center**
Georgia Institute of Technology

B **Ichauway Plantation**
Joseph W. Jones Ecological
Research Center

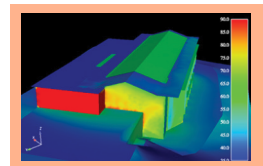
C **Action Resource Center**
Zoo Atlanta

Georgia Public Health Laboratory **D**

1 **FIRST LEED PROJECT**
**Twin Creeks Science
&
Education Center**
National Park Service
Certified LEED® Gold

2 **The Eco Office**
Southface Energy Institute
LEED® Platinum

LAS becomes a
carbon-neutral
organization



LAS integrates energy
and daylight modeling
capabilities

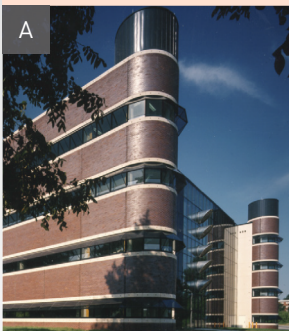
LEED® Exam Launched
First LAS employee passes



LAS Awarded CSI's
Environmental
Sensitivity Award

1989 1991 1993 1995 1998 2000 2001 2002 2003 2004 2005 2006

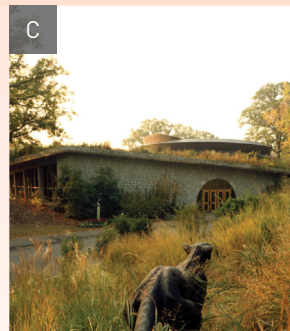
Pre-LEED® projects



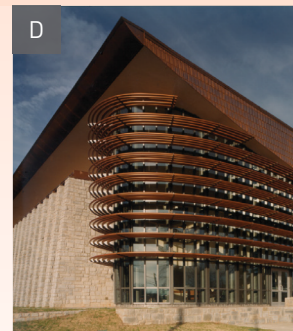
Daylight harvesting
makes the Center
one of LAS's first
structures after the
merger completed
with sustainable
methodology (1991
High Honors R&D
Lab of the Year).



**Site-harvested
lumber** and
one of the first
pervious pavement
applications
in Georgia.



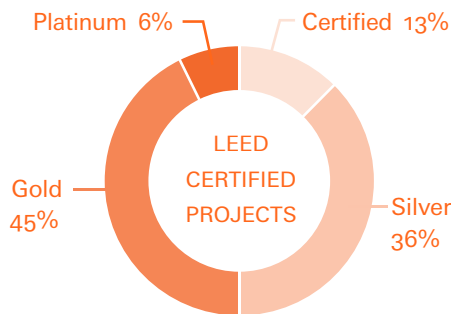
**Extensive use
of recycled and
renewable building
materials;** the
"living roof" was
the first vegetated
roof in Atlanta.



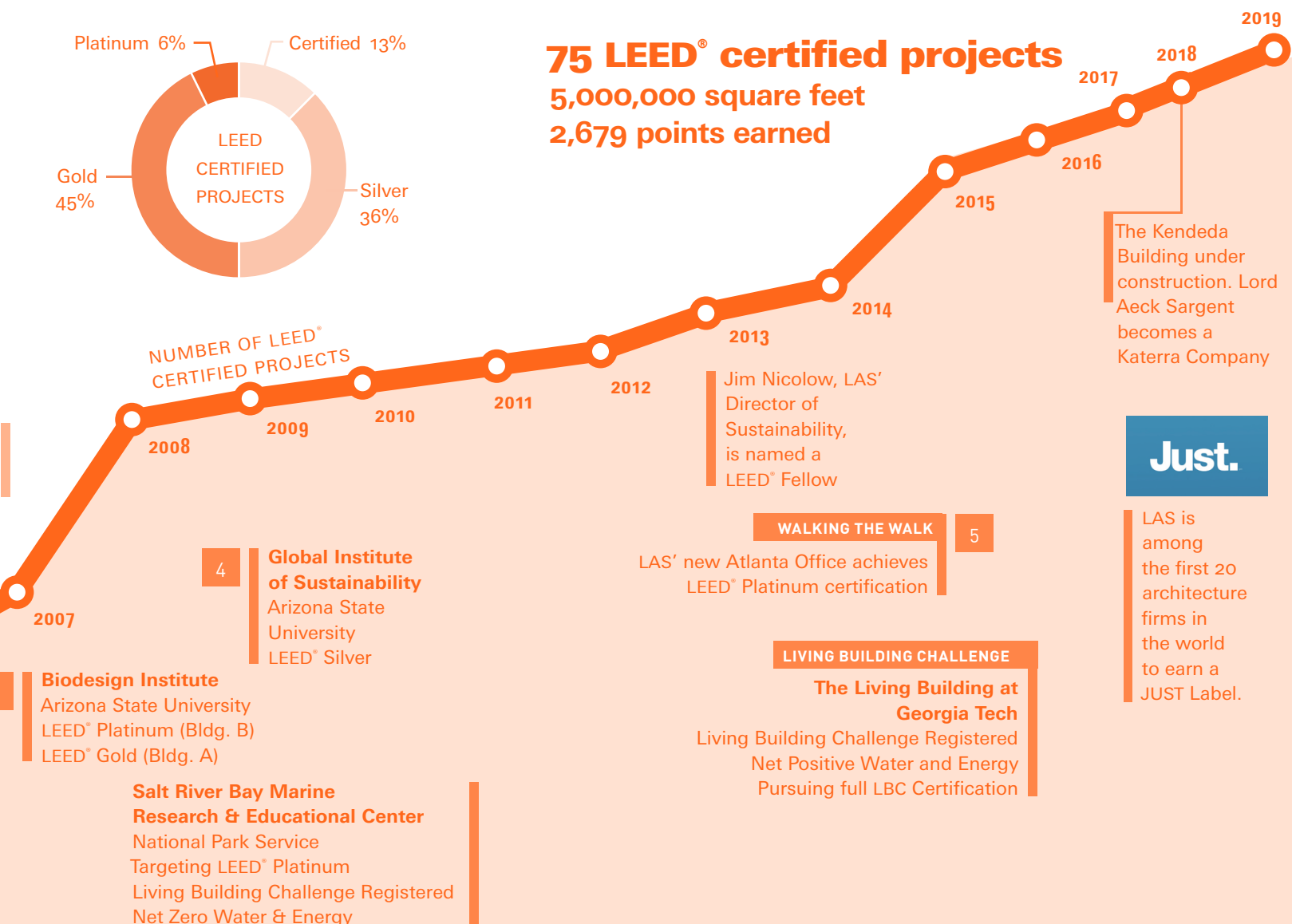
**Extensive, highly
efficient daylighting;**
profiled by the EPA
as a LABS 21 Case
Study (1998 R&D
Lab of the Year).



**LAS's first registered
project** features
daylight harvesting,
natural ventilation,
bio-retention
of stormwater,
2008 ED&C Award,
2008 AIA COTE
Atlanta Award,
2009 AIA Award



75 LEED® certified projects
5,000,000 square feet
2,679 points earned



Just.

LAS is among the first 20 architecture firms in the world to earn a JUST Label.

WALKING THE WALK

LAS' new Atlanta Office achieves LEED® Platinum certification

5

LIVING BUILDING CHALLENGE

The Living Building at Georgia Tech

Living Building Challenge Registered
 Net Positive Water and Energy
 Pursuing full LBC Certification

2030 CHALLENGE

LAS is among the first signatories of The 2030 Challenge

Milestone Projects LEED® certified



The **Platinum-certified** Eco Office features a photo-voltaic array, electrochromic glazing and composting toilets
2007 AIA COTE Atlanta Award, 2009 Conserve Georgia Water Award



The firm's largest **LEED® certified** project to date at 350,000 sf has become a model facility
2006 R&D Lab of the Year, LAS in collaboration with Gould Evans



The nation's **first school of sustainability** features parapet-mounted wind turbines. Daylighting was enhanced by replacing existing corners with glass
2009 ED&C Award



Lord Aeck Sargent's new **LEED Platinum Certified office** is a physical testament to the firm's commitment to sustainable design and meeting the 2030 Challenge.



LAS and the Miller Hull Partnership selected to design **The Living Building at Georgia Tech**, expected to be the most environmentally advanced education and research building in the Southeast.

OVERVIEW

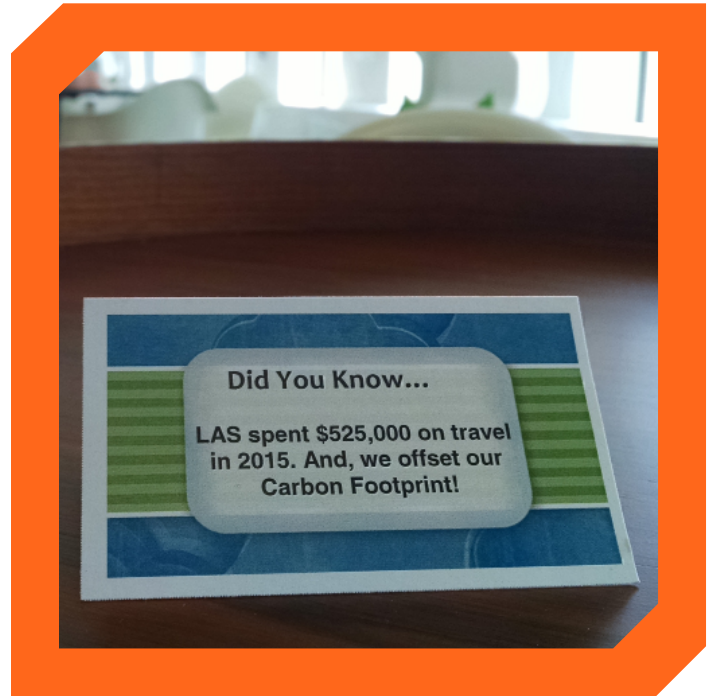
SUSTAINABLE | MEETING THE NEEDS OF THE PRESENT WITHOUT COMPROMISING THE ABILITY OF FUTURE GENERATIONS TO MEET THEIR OWN NEEDS

Lord Aeck Sargent is a full-service, award-winning architecture, design and planning firm. Our goal is to create buildings that have a restorative, positive impact on the their inhabitants and to reduce the negative impact of construction on the environment.

With offices in Ann Arbor, Michigan; Austin, Texas; Atlanta, Georgia; Lexington, Kentucky; Washington, DC; and Chapel Hill, North Carolina, our firm has eight practice areas: Science & Technology, Historic Preservation, Education, Arts & Culture, Housing & Mixed-Use, Urban Design & Planning, Landscape Architecture, and Interior Design.

The LAS portfolio includes museums, arts centers, multifamily housing and mixed-use projects, government buildings, laboratories, corporate headquarters, education and conference facilities, and downtown and neighborhood plans. Our services range from master planning and programming to design, construction administration, and facility management support.

The design staff at LAS represents a broad range of experiences in design and construction. Our staff includes registered architects, interior designers, urban designers, landscape architects, building performance analysts, materials specialists, land planners, cost estimators, and zoning specialists.



Our projects have been awarded more than 350 awards including national distinctions such as three R&D Magazine Laboratory of the Year and Special Mentions Awards as well as multiple AIA Honor Awards for Excellence in Architecture for our work with a wide variety of clients. The firm has been in Engineering News-Record (ENR) Magazine's Top 500 Design Firms list 11 times, is No. 88 on ENR's Top 100 Green Design Firms list, and has been named a Top Green Design firm more than 15 times by numerous publications.

At LAS, our goal is to create buildings that have a restorative, positive impact on the building's inhabitants and a regenerative impact on the environment. We have practiced sustainability since the early 1990s and believe in using an analytical approach to optimizing building performance. Additionally, LAS was one of the first architecture firms in the country to adopt The 2030 Challenge, an initiative that called on the global building sector to immediately reduce energy usage by 50 percent in new buildings and major renovations in order to avoid hazardous climate change. LAS became one the first 20 architecture firms in the world to earn a JUST Label in February 2017. The JUST Program provides a "transparency platform" for organizations to report on 22 organization- and employee-related indicators, with the goal of helping organizations "optimize policies that improve social equity and enhance employee engagement."

Lord Aeck Sargent's Sustainability Forum, a group of sustainability champions drawn from across the organization, meets monthly to advance sustainability professional education, project delivery, equity, and advocacy efforts, including development of this Green Operations Plan.



170+

DEDICATED PROFESSIONALS

70+

LEED-CERTIFIED PROJECTS

1+

LAS IS A MEMBER OF 1+, A COMMUNITY OF DESIGN PROFESSIONALS COMMITTED TO DEDICATING ONE PERCENT OF WORKING HOURS TO PRO BONO SERVICE FOR NON-PROFIT ORGANIZATIONS

150+

COLLEGE AND UNIVERSITY CLIENTS ACROSS THE COUNTRY

350+

PLANNING PROJECTS

50+

LEED-ACCREDITED PROFESSIONALS

2030

LAS WAS ONE OF THE FIRST ARCHITECTURE FIRMS IN THE COUNTRY TO ADOPT THE 2030 CHALLENGE



SUSTAINABLE OPERATIONS PRACTICES



ALTERNATIVE TRANSPORTATION

Buses, Trains, and Bikes are forms of transportation that allow for individual carbon emissions to be reduced. Alternatives such as bike share programs, electric scooters, and ride share businesses provide options for getting around without a car. Electric Vehicle charging stations reduce carbon emissions for individual automobiles. Flexible work arrangements coordinated with teams can reduce individual vehicle trips.

- HOW WE ENCOURAGE ALTERNATIVES
 - Office Proximity to Public Transit, Car Share, and Micro Transportation Share Stations
 - Public Transit Discounts for Employees
 - Bike and Pedestrian Friendly Offices
 - Access to Ride-Share
 - Virtual Meeting Facilities
 - Flexible work arrangements
 - 100% annual offset of rental car and air travel emissions
 - Green rental options such as hybrid or fuel-efficient cars
- HOW WE IMPROVE
 - Prioritize Public Transit Access when selecting new office locations
 - Provide discounted fare cards for transit systems in more offices
 - Provide bike storage and showers during office renovation/procurement
 - Provide alternative transportation options for office related travel



WATER EFFICIENCY

Water is a limited resource. Lord Aeck Sargent conserves this resource whenever possible. Installing efficient fixtures and placing a high priority on leasing of properties with efficient fixtures help what we have go further. Our Atlanta Office LEED Platinum Certified headquarter's renovation achieved a 41% reduction in projected water use.

- HOW WE REDUCE
 - High efficiency plumbing fixtures
 - Low flow or dual flush toilets
 - Energy Star kitchen equipment
- HOW WE IMPROVE
 - Installation of high-efficiency fixtures during renovations
 - Installation of low flow or dual flush toilets during renovations
 - Require new equipment purchases to meet Energy Star water conservation requirements



INDOOR AIR QUALITY

Most of an individual's exposure to air pollutants comes through inhalation of indoor air. Improved air filtration and ventilation, reduction of introduced toxins and careful evaluation of the properties of building materials reduces indoor air pollutants. Providing views to the outdoors and natural daylighting visually connect a building occupant to the outdoors.

- HOW WE PRACTICE
 - Renovations include HVAC cleaning and refurbishment
 - Daylight and views are provided in offices
 - Green Housekeeping Practices utilized in Atlanta Office minimizing exposure to harmful chemicals
- HOW WE IMPROVE
 - Indoor Air Quality testing for offices on a regular basis
 - Integrate Green Housekeeping Practices into all offices



ENERGY CONSUMPTION

Improved energy efficiency saves energy and money while reducing carbon emissions. As much as two-thirds of energy generated is wasted due to transmission losses, so energy efficiency measures have a multiplicative impact. Lord Aeck Sargent's LEED Platinum Certified headquarters achieved a 53% reduction in Lighting Power Density.

- HOW WE REDUCE
 - 100% of office energy use is offset annually with Renewable Energy Credits
 - EnergyStar equipment standard for new equipment purchases
 - Energy efficient and LED lighting in offices
 - Daylight harvesting and controls
 - Occupancy Sensors at desks automatically turn off monitors
 - Occupancy Sensors in restrooms and public office spaces to turn off lights
 - Reduced HVAC use when office is not occupied.
 - 100% annual travel carbon offset
- HOW WE IMPROVE
 - Provide LED lighting in all offices
 - Expand daylight harvesting and occupancy sensor usage to all offices
 - Identify HVAC schedules for all offices



SUPPLIES AND WASTE

We support the use of environmentally positive products in our operations, striving to purchase and use positive products and services that contribute constructively to our communities. Local sourcing represents an opportunity for organizations to ensure a sustainable supply of goods and services while building a more locally based, self-sustaining, economy and strengthening the social health of communities. To control our waste, we participate in recycling programs and have a pilot composting effort in Chapel Hill.

- HOW WE REDUCE AND CONSERVE
 - 100% green cleaning materials including all paper products
 - Recycling provided in offices
 - Coffee cartridges are recycled
 - Water Filtration to reduce single use water bottles
 - Dishwashers and Reusable dishes provided
 - Paper plates, cups and napkins meet Green Kitchen Supplies Standard
 - Recycled content printing paper provided
 - Environmentally friendly office supplies
 - Goods and services purchased from 300 mile radius of offices
 - Composting Pilot introduced in Chapel Hill
- HOW WE IMPROVE
 - Expand Green Cleaning standard to all offices
 - Expand Recycling and Composting to all offices
 - Develop a periodic waste audit process to identify problem areas and improve them
 - Provide water filters in all offices



GIVING BACK

Lord Aeck Sargent is committed to corporate responsibility by being actively involved in charitable giving to worthy causes both within and outside of the local communities where we operate, supporting causes important to our organization.

- HOW WE SHARE
 - Corporate workplace campaigns for non-profits
 - Participation in the One-Plus program providing 1% of our working ours to pro bono service
- HOW WE IMPROVE
 - Extend campaigns to all offices



HEALTH AND WELLNESS

Lord Aeck Sargent is committed to creating, maintaining, and supporting a positive work environment that supports and fosters worker happiness and job satisfaction. We value our employees and their families and we strive to create an appropriate work-life balance and provide workplaces where our employees are professionally challenged and satisfied.

- HOW WE GROW
 - Firm Sponsored Recreation Committee organizes multiple opportunities for team and individual sports participation
 - Discounted memberships to fitness centers.
 - Availability of standing desks
 - Fun challenges for voluntary participation encouraging movement and exercise
 - Annual employee survey
- HOW WE IMPROVE
 - Expand participation in Recreation Committee to smaller offices
 - Increase availability of standing desks
 - Expand participation in fun challenges to all offices



EMPLOYEE DEVELOPMENT

Individual achievement and uniqueness is a very important intention of the Firm's philosophy. Development of each employee is tailored to the individual and their personal goals, as well as those of the Firm. The Firm offers employees training and the opportunity to enhance personal and professional development. Time is allocated to professional development. Seminars, conferences and professional meetings enhance development, and is often paid for by the Firm.

- HOW WE COMMUNICATE
 - Weekly Lord Aeck Sargent University learning opportunities
 - Monthly Sustainability Roundtables
 - Internal blog for communication and lessons learned, searchable by keywords
 - LEED User Group
 - Green design capabilities prioritized in job postings and growth reviews
 - Over 50% of staff is LEED accredited and the firm reimburses the exam expenses
- HOW WE IMPROVE
 - Increase employee input in sustainability blog
 - Expand accreditation to additional sustainable options