



**ALAN SCOTT, FAIA, LEED FELLOW, LEED AP,
CEM, WELL AP**
**DIRECTOR OF SUSTAINABILITY,
BUILDING SCIENCE SOLUTIONS**

STARTED WITH INTERTEK: 2019 YEARS IN INDUSTRY: 34

Alan is a registered architect and sustainability expert with over 30 years of experience focused on high-performance buildings. In his early career as a practicing architect, he led project teams from design through construction. Since 2000—as the 13th LEED AP—Alan has creatively applied his skills as a facilitator, consultant, project manager in support of high-performance, sustainable built environment projects in North and South America. His project work focuses on boosting new and existing building performance, energy efficiency, decarbonization, occupant wellness and resilience.

Project Experience

Seattle Public Schools, Return to In-person Instruction IAQ Testing

The Seattle Public School District needed a proactive approach to ensure health and safety in their 100+ schools when preparing for full-time, in-person instruction. Alan led Intertek's team to guide the School District in developing and implementing a return to in-person education program, including customizing policies and protocols, evaluating airborne pathogen risks in classrooms and other spaces, guiding ventilation and filtration measures in key space types in each school, and conducting indoor air quality (IAQ) testing to validate the efficacy of implemented measures. The testing and assessment gave the District a quality control process for their safe in-person instruction program, and provided assurance to students, parents, and teachers that best practices were in place to protect health and safety.

University of Washington, Bothell - Classroom IAQ Monitoring

The University of Washington needed a comprehensive program to assess ventilation and filtration effectiveness in its 15 buildings in campus, and to assure students and faculty that good indoor air quality was maintained, supporting occupant health and comfort. Alan led Intertek's team in developing and implementing an air quality monitoring plan based on the client's priorities, testing for particulate matter and carbon dioxide in classrooms. He compiled and analyzed the testing results, looking for patterns and areas of concern and providing guidance on corrective actions.

Senior Living Communities - IAQ Efficacy Testing

A developer of retirement communities across the U.S., was initiating a nationwide program to improve indoor air quality (IAQ) and assure the health and safety of staff and residents in their senior living facilities. Alan directed Intertek's team to provide assessment of technologies and conduct comparative field efficacy testing of prospective technologies to inform their pending capital investment. He developed and implemented air quality testing plans for two senior living communities where the client was piloting both air cleaning and air monitoring technologies.

1201 Third, IAQ Testing

The manager of a 55-story, Class A office building in downtown Seattle, WA wanted to reassure tenants of their health and safety in the building, during and after the COVID-19 pandemic. They were considering several options for air cleaning technologies and wanted independent comparative assessment of the efficacy of each, prior to committing to the capital investments. Alan led a team, in collaboration with EEI, to develop and implement a testing program, sampling key air quality parameters before and after installation of four air cleaning options deployed on four floors of the building. The testing revealed that the current air quality in the building was superior to industry standards and provide data on the comparative performance of the technologies under consideration, informing the building owner's investment decision.

Education

Bach. Of Architecture, 1987, University of Oregon

Certifications

Registered Architect, Washington
Registered Architect, Oregon
Registered Architect, New York
Certified Energy Manager (CEM), Association of Energy Engineers
LEED Accredited Professional, BD+C, O+M
WELL Accredited Professional
EcoDistricts Accredited Professional

Practice Areas

Sustainability
High-performance Building
Healthy Building
Resilience
Building Enclosures

Associations

American Institute of Architects
United States Green Building Council



Project Experience

Port of Seattle, Sustainable Project Framework*

The Port of Seattle aspires to be the greenest, most energy efficient port in North America, which includes a commitment to sustainability and occupant wellness in its capital projects and ongoing operations. To support these goals, Alan led a consultant team to help the Port to improve its project and program review processes, and to enhance the integration of sustainability and wellness strategies in capital projects and programs. The initiative centers around the Port's sustainability goals, covering carbon emissions, energy, water conservation, waste reduction, water quality, green building, etc.

T-S Corporate Park, Sherwood, OR

This project includes the new construction of three warehouse structures totaling 479,000 square feet. The project is seeking LEED Core and Shell Certification. Alan is managing the LEED certification, energy modeling and commissioning of the project.

Warrenton-Hammond School District, Building Enclosure Commissioning

Intertek was hired by the Warrenton-Hammond School District to conduct building enclosure commissioning (BECx) for a new middle school, and repairs to an existing elementary school and high school. Alan inspected the two existing schools that were experiencing cladding and flashing failures, recommended remediations and oversaw the repair work. For the middle school, he reviewed enclosure details and specification and is currently providing construction phase review and inspection services, including submittal review and construction progress inspections.

Oregon State Treasury Resilience Building*

Alan led the team as the owner's technical representative for Treasury's new headquarters building. When completed, the project will provide a healthy, high-performance workspace for OST staff under normal conditions, but also support "off-the-grid" continuity of operations after a major hazard event, like the anticipated 9.0-magnitude Cascadia Subduction Zone earthquake, as well as wildfires and severe storms. The project includes healthy indoor environments, high-efficiency systems, passive survivability strategies, and a large solar photovoltaic array with battery storage.

Las Vegas Sands Corporation, Sustainable Development Standard*

Alan led a team of consultants for the development of client-specific standards for large developments in the U.S. and overseas. The standard establishes requirements and guides evaluation of high-performance design, construction and operations for both new construction and retrofits to buildings, systems and infrastructure for large, mixed-use projects. The deliverable includes modules for lighting, HVAC, sub-metering, commissioning, water system and renewable energy systems, with an emphasis on energy and water conservation, carbon emission reduction, operation and maintenance risk reduction, and guest experience and wellness.

Nike Global Sustainable Facilities Playbook*

Alan worked closely with Nike's Workplace Design + Connectivity team and developed the Nike Global Sustainable Facilities Playbook. The Playbook standardize processes and tools for corporate facilities design, construction, operation and maintenance, to drive higher performance, and support data acquisition and corporate sustainability reporting. The standards emphasized energy and carbon emission reductions, waste reduction, water conservation, employee wellness and indoor environmental quality.

*Projects completed at previous firms

