

CS469181

The Kendeda Building for Innovative Sustainable Design

Jimmy Mitchell
Skanska USA

Whitney Ashley
Lord Aeck Sargent

Learning Objectives

- Problem solve 20 Design Imperatives for the Living Building Challenge with Revit and Assemble
- Define the inter-dependencies between Design Imperatives and the impacts to project objectives with Navisworks
- Ensure quality control to meet sustainability standards, such as the Red Material List compliance, with BIM 360
- Identify opportunities for regenerative design to support net-positive energy, water and waste

Description

The contractor and architect from the Kendeda Building for Innovative Sustainable Design, which is striving for full certification of the Living Building Challenge, will explain how Autodesk tools were used during the pursuit, award, design and preconstruction, construction and post construction activities. They will cover lessons learned from the most interesting and challenging aspects of the project related to the high standards of regenerative design and the 20 Design Imperatives for the Living Building Challenge. The team used Revit, Assemble, Navisworks and BIM 360 to identify and work through solutions. The presenters are not experts in software; however, they are experts in project management, regenerative design and construction, and systems coordination, and they are excited to share how Autodesk software contributed to the project.

Speaker(s)



Jimmy Mitchell
Sustainability Engineer at Skanska USA

Jimmy started with Skanska in 2005 with a bachelor’s degree in civil engineering at Georgia Tech. Sustainability is a career passion, one of Georgia’s first LEED managers, created the Atlanta Mission urban garden, and a founding member of the construction material reuse nonprofit based in Atlanta, the Lifecycle Building Center. He recently completed The Kendeda Building for Innovative Sustainable Design with Skanska playing a leading role for all design and construction project phases.



Whitney Ashley
Architectural Designer + Digital Fabricator, Lord Aeck Sargent

Whitney Ashley is a multidisciplinary, project designer at Lord Aeck Sargent. Her experiences includes projects in the areas of education, sustainable design, commercial, housing and mixed-use. She has been working on the multi-award winning project The Kendeda Building for Innovative Sustainable Design from the project design phase to project completion and certification. Her expertise include digital design and fabrication with experience of an international award winning design-build project and multiple public art installations along the Atlanta Beltline. Her work pushes the boundaries between art and architecture with a combination of material research that are a catalyst for community involvement.

Whitney holds a Master of Science in Architecture with a concentration of Digital Design and Fabrication from the Georgia Institute of Technology and a Bachelor of Architecture with a minor in Business from Southern Polytechnic State University.

