

CURRICULUM VITAE: KYLE ANDERS, LEED AP, CEA

Kyle brings strong technical knowledge of building science and energy systems from past consulting experience with Mindscape Innovations, and from post-graduate research and student team involvement. This is complemented by his strong research and development background in the mechanical engineering and materials science field, which has provided him with well-honed skills in critical thinking and technical communication.

Prior to joining Mindscape, Kyle's previous experience includes thesis-based research in corrosion performance of sustainable building material towards his Master's degree, engineering intern at a high-volume electro-refining cathode manufacturing plant where he optimized process design and energy use, and student team engineering leader in sustainable energy initiatives at the University of Waterloo.

Kyle worked for Mindscape Innovations from 2009-2016 and began working at Building Knowledge Canada in 2016 where he has been developing BKC's to provide Net-Zero Energy, LEED and other high performance building design, verification and evaluation services to the construction industry.

Key Project Experience

- Failure analysis research of rolling mill at Goodyear Tires plant. Developed a metallurgical solution through materials characterization techniques to improve durability.
- Experimentally researched the durability of more environmentally sound building material, acquiring hands-on experience with corrosion monitoring, concrete preparation and chemical/metallurgical analysis.
- Trained and qualified as an Energy Advisor for evaluating residential energy efficiency using HOT2000 software
- Conducted energy audits commercial spaces including hotels, office spaces, and industrial facilities, analyzing energy end-uses and energy upgrade paybacks.
- Instructor, site evaluator, and quality assurance designee for various new home programs including LEED® Canada for Homes, ENERGY STAR® for New Homes, and BUILT GREEN®.
- Thorough knowledge of building product compatibilities within various green building programs (i.e. LEED, Built Green, NGBS), having formally assessed several products in partnership with CMHC International and EcoSpex.
- Technical development of Mindscape's Building Optimization Program (MIBOP), a residential energy modeling tool.
- 5+ years of experience on technical committees for building performance programs LEED and BUILT GREEN.
- Played a key technical role in successfully advocating the adoption of innovative DWHR energy saving technology to Ontario's Building Code.
- Created a web-based builder training course for Built Green Canada to support their nationally recognized green home labeling program.
- Union Gas Research Development

Education

- University of Waterloo, MAsc in Mechanical Engineering, Materials Science Specialization, 2008.
- Queen's University, BAsc in Mechanical Engineering, 2006.