



Derek's mechanical engineering career began in 2000 as a HVAC and industrial fan applications engineer in the commercial & institutional building sectors as well as in chemical, pulp and paper and mining. On his 4th year, Derek changed roles and worked with Omicron Consulting in Vancouver, BC as a Design Engineer and later with Keen Engineering/Stantec Consulting as a Project Manager.

Derek's role as Project Manager enabled him to work with teams of dedicated professionals on numerous complex projects. He joined AME Group as a Project Manager and in 2011 became an Associate of the firm. Derek takes an active role in ensuring the projects meet the best of industry standards and resolve complex construction challenges in a timely manner.

Throughout Derek's career he has been responsible for the detailed design and documentation as well as construction review of numerous projects including retail buildings, commercial buildings, light industrial, recreational, educational, and health care facilities.

Derek's experience in mechanical systems design includes HVAC, plumbing, fire suppression, building automation, and specialty mechanical systems design including open and closed loop ground source heat pump systems, natural ventilation and displacement ventilation.

PROFESSIONAL AFFILIATIONS:

- Association of Professional Engineers and Geoscientists of BC (APEGBC)
- American Society of Plumbing Engineers
- American Society of Heating, Refrigeration, and Air Conditioning Engineers (ASHRAE)
- LEED AP BD+C

REPRESENTATIVE EXPERIENCE:

- UBC Centre for Brain Health, LEED Gold Target, Vancouver, BC
- Broadway Tech Centre Building One, Vancouver, BC
- New Westminster Civic Centre, New Westminster, BC
- Manulife Officer Tower- Howe Street, Vancouver, BC
- Burnaby Auto Mall Still Creek Development, Burnaby, BC
- Vancouver National Works Yard, Vancouver, BC
- Okanagan College Centre of Excellence, LEED Platinum Target, Penticton, BC
- Acwalscta School Renovation & Expansion, Nuxalk Nation, Bella Coola, BC
- Nuxalk Community Centre, Bella Coola, BC
- Stz'uminus Secondary School, Chemainus BC
- Bonaparte Health & Community Services Building
- Canada Line Underground Stations, Various locations in Vancouver and Richmond, BC
- London Secondary School, Richmond, BC
- Richmond Olympic Oval, Richmond, BC
- Whistler Nordic Centre, Callaghan Valley, BC

SUSTAINABLE EXPERIENCE:

- High Efficient Heating
- Displacement Ventilation
- Storm Water Reuse
- Solar Water Heating
- Ground Source Heat Pump