Control layers are materials and systems of materials that are specially designed, selected, and detailed to control water, vapour, and air. They are placed throughout the building, from the roof, walls, and floor to the below-grade enclosure assemblies, details, and interfaces. They consist of membranes and other materials typically described as air barriers, vapour barriers, and water-resistive barriers, or collectively as critical barriers.

This course will introduce the concept of building enclosure control layers and provide examples from Passive House buildings of air barrier systems, vapour retarders/barriers, and wall/roof water management.

Learning Objectives:
- Understand the challenges with building enclosure assembly design and detailing for passive house projects
- Describe and identify building enclosure control layers
- Design and sketch appropriate building enclosure control layers within passive house building enclosure assemblies and details
- Specify appropriate building materials for different control functions suitable for the higher demands of passive house projects

Instructor:
Graham Finch, MASc, P.Eng. Principal
Senior Building Science Specialist  RDH Building Science

Total number of webinar hours: 2

Online Course Price:
Members: $198.00 CAD
Non-members: $220.00 CAD

Recommended for: engineers, architects, energy modellers, energy advisors, and Certified Passive House Designers and Consultants.

Course Date:
March 18, 2022

Passive House (Passivhaus) is considered to be the most rigorous voluntary energy-based standard in the design and construction industry today.

Passive House Canada is the leader in Passive House design and construction training across Canada.