



ONLINE: Achieving the Passive House Standard for Existing Buildings – 8 Sept 2022



This in-depth seminar will introduce participants to the Passive House retrofit 'EnerPHit' standards and highlight some examples of successful Passive House retrofits from around the world. We will discuss the basic principles of Passive House design, including thermal comfort, energy efficiency, durability and health – as well as some of the common tools and techniques for achieving these goals on retrofits. We'll also review how the EnerPHit standard fits into the larger efforts at decarbonization across Canada.

Anyone looking to rehabilitate an existing building will benefit from this course, and in particular this course is a crucial first step for anyone looking to certify a building as a Passive House EnerPHit retrofit.

Instructor:

Ed May is a Certified Passive House Consultant with both the Passive House Institute (PHI) in Germany and the Passive House Institute of the US (PHIUS). As well as consulting on Passive House projects around North America, Ed teaches with the Passive House Academy, the North American Passive House Network, and Passive House Canada.

Total number of learning hours: 15

Online Course Price: Members: \$ 1215 CAD Non-members: \$ 1350

Recommended for: Anyone engaged in the design and rehabilitation of existing buildings to the Passive House standard. Architects, tradespeople, building-owners.

Learning Objectives:

- Participants will gain knowledge about the International Passive House Standards and how these certifications apply to Retrofits of existing buildings as well as the specific Certification pathways which have been developed for conversions of existing buildings.
- Understand the various Passive House strategies for improving durability, health, comfort and energy-efficiency and how they can be applied in retrofit scenarios.
- Analyze the implications of modifications to the building envelope and review some common issues and pitfalls in high performance retrofits
- Understand how building retrofits fit into the larger nationwide efforts at climate-change adaptation and mitigation.

Course Date:

Day 1 & 2: September 8, 15, 2022 from 9:00 am to 1:00 pm (PDT)

Day 3 & 4: September 22, 29, 2022 from 9:00 am to 1:00 pm (PDT)

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Feel better.

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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.