

Become an Expert in Passive House Design & Construction

PASSIVE HOUSE DESIGN

truly sustainable buildings for the next generation

2011 Canadian Passive House training program

Many Canadians now recognize that our current building standards are inadequate to produce truly sustainable construction, and that far more ambitious goals are required if we wish to attain true energy security and a carbon neutral economy. The Passive House Standard, developed and refined over the past 20 years, delivers these goals today through radical energy conservation, at a price that can be affordable to all.

Having successfully completed our first (2010) series of Passive House training courses in Vancouver, Ottawa, Toronto and Edmonton, we're now starting our second year of technical training across Canada in this advanced construction technique. Our instructors form the most experienced Passive House design team in North America, with more than 20 years of practical project design and construction behind them. With excellent feedback and evaluations from our previous course participants, we've continued to develop and improve our training program to ensure it reflects the current reality of Canadian designers and builders, especially with regard to Building Code issues, up-to-date component supplier information and Passive House-suitable wood framing details.

We'll offer you post-course technical support during the planning stages of your first Certified Passive House building, as well as putting you in touch with a growing national network of component suppliers. Our goal is to give you the tools and the confidence to tackle design problems throughout the building envelope.

Course schedule:

2011	Sept. 12—16	Oct. 10—14	Oct. 24—28	Nov. 07—11	Jan
	Calgary	Toronto	Vancouver	Ottawa	Whitehorse

truly sustainable buildings for the next generation 2011 Canadian Passive House training program

One week intensive course in Passive House design and construction

Each course is a challenging and intensive full week of instruction, and is aimed at qualified and motivated Canadian building professionals who have a passion to learn the art of Passive House design, the world's leading standard in low-energy, sustainable construction. This is the only course in North America based on the 2010 international Passive House training program (CEPH). We work in collaboration with the Passivhaus Institut in Germany, the world authority on this type of construction, and with the international Passive House community.

We'll give you the knowledge and tools you need to design and build compliant Passive Houses in all parts of Canada today – this means an 80 to 90% reduction in annual heating and cooling energy *without* the need for expensive renewable energy systems.

Training material will be geared to practical applications within Canadian building traditions, and respecting our residential building codes. As a Canadian organization we're focused on what works in our own country, and on developing regional networks of associated building professionals who want to play an active role in dramatically improving the energy performance of our buildings.

What you'll learn:

- Passive House design theory
- Building science for radical conservation
- Building envelope optimization for cold climates
- Hands-on building performance modeling using the PHPP design software
- Mechanical system design for comfort and performance
- Thermal bridge-free design of building assemblies
- Architectural details and technical solutions
- Detailed case study examples of current Canadian Passive House projects



Canadian Passive House Institute



Course numbers will be limited. Sign up early for our discounted rate! For more information and registration please visit:

www.passivehouse.ca