



Passive House Resources

In North America, two organizations offer pathways to Passive House training and certification:

Passive House Institute (PHI)

Founded in 1996, PHI has played a leading role in the development of Passive House design standards worldwide. PHI offers certification for buildings and components, as well as for designers, consultants, and tradespeople.

Below is an overview of PHI courses, typically delivered by partner organizations. See the following page to learn more or visit passivehouse.com.

Certified Passive House Designer/Consultant (CPHD/C)

CPHD/C is the premier training program for Passive House design. A five-day course with additional e-learning modules, the CPHD/C provides a thorough grounding in the critical aspects of Passive House design and construction and exam preparation. The course is suitable for all building professionals, including architects, engineers and construction managers.

Certified Passive House Tradesperson (CPHT)

CPHT is a five-day course designed for contractors, installers, and other building professionals. Attendees learn about the materials used for Passive House construction, and gain hands-on experience applying the rigorous installation and detailing techniques required to achieve Passive House certification.

Software Training

One to three-day training courses are offered on the Passive House Planning Package (PHPP), PHI's energy modeling tool. One- and two-day courses are offered on DesignPH, the SketchUp plugin for PHPP. Two-day training courses are also available on thermal bridge modeling using Therm or Heat3 software.

Specialized Training

Specialized courses are available on topics such as airtightness, energy-recovery ventilation, and Passive House project verification (VeriPHier training).

Passive House Institute US (PHIUS)

Founded in 2007, PHIUS offers an alternate certification pathway for projects located in North America. Like PHI, PHIUS also provides certification for designers and tradespeople, and offers training on a variety of topics.

Below is an overview of courses offered by PHIUS. Visit phius.org to learn more.

Certified Passive House Consultant (CPHC)

CPHC is PHIUS's flagship training for building professionals. The course combines self-guided, online sessions with five days of classroom instruction. The course covers the principles of passive building design, WUFI Passive modeling software, quality assurance/quality control, and prepares students to pass the CPHC exam. PHIUS also offers a continuing education program for certified practitioners.

PHIUS Certified Builders

This four-day course is designed for construction professionals, and includes on-site training on passive house materials, techniques, project implementation, and quality assurance.

Quality Assurance/Quality Control (QA/QC)

PHIUS offers two QA/QC courses for experienced RESNET and BPI professionals. The PHIUS+ Rater two-day training is focused on single-family residential projects. The PHIUS+ Verifier course is geared toward large-scale multifamily and commercial buildings.

Software Training

PHIUS offers two training courses on the WUFI Passive, a passive building modelling software. The WUFI Passive course is a two-day intensive on static modeling skills, and the two-day WUFI Plus course focuses on dynamic modeling capabilities.

BE-Ex & Educational Partners

Building Energy Exchange (BE-Ex)

In addition to the Passive House Primer, BE-Ex develops reports, trainings, and exhibits on high-performance building topics, available online and in-person at its learning center in downtown Manhattan.

- be-exchange.org

New York City Accelerator

The NYC Accelerator offers free, personalized advisory services that streamline the process of making energy efficiency improvements to buildings. Their website links to local trainings on high-performance design & operations.

- nyc.gov/retrofitaccelerator

North American Passive House Network (NAPHN)

NAPHN works toward the transformation of the built environment using the international Passive House Standard. They provide training, conferences, and events to educate professionals and the general public. In NYC, they offer the CPHD/C course in partnership with BE-Ex.

- naphnetwork.org

Passive House Academy (PHA)

PHA is a global training and consulting organization. In partnership with NAPHN and other local organizations, PHA offers courses such as the CPHT training and PHPP, DesignPH, and thermal bridge modeling.

- passivehouseacademy.com

Additional Education Resources

475 High Performance Building Supply

475 sells energy efficient building components to move US construction markets to high-performance, low-energy projects. 475 holds training courses at their Brooklyn HQ and offers videos and educational resources online.

- foursevenfive.com

Association for Energy Affordability (AEA)

AEA is dedicated to achieving energy efficiency in new and existing buildings in order to foster and maintain affordable and healthy housing. In partnership with PHA, AEA provides the CPHT tradesperson training in NYC.

- aea.us.org/education/passive-house

Building-Type LLC (bldgtyp)

bldgtyp is an architecture and consulting firm certified to design and consult on Passive House projects. In partnership with NAPHN, bldgtyp offers a variety of courses in NYC, including PHPP and thermal bridge modeling.

- bldgtyp.com

New York Passive House (NYPH)

NYPH is the local affiliate of the International Passive House Association (iPHA), and is dedicated to promoting the Passive House standard through outreach, education, and advocacy. NYPH's website features upcoming trainings.

- nypassivehouse.org

Passipedia

Passipedia – The Passive House Resource houses a vast array of articles and information on Passive House topics, ranging from the simple to the advanced.

- passipedia.org

Passive House Accelerator

The Passive House Accelerator aggregates content from existing sites while also creating a community-driven platform for people to share new ideas and solutions.

- passivehouseaccelerator.com

Peel Passive House Consulting (PPHC)

Based in Canada, PPHC partners with NAPHN to provide online training to students across the globe. PPHC course offerings include PHPP and thermal bridge modeling.

- peelpassivehouse.ca

Financing and Incentives

Community Preservation Corporation (CPC)

CPC is a nonprofit affordable housing and community revitalization finance company. CPC offers capital solutions for construction and permanent loans starting at \$250,000.

- communitycp.com

NYCEEC & PACE Financing

The NYC Energy Efficiency Corporation (NYCEEC) provides loans for energy efficiency and clean energy projects across the Northeast and Mid-Atlantic. NYCEEC also administers NYC's Property Assessed Clean Energy (PACE) program, which offers up to 100% financing and low interest rates.

- nyceec.com

NYSERDA

The New York State Energy Research and Development Authority (NYSERDA) has many programs that support energy efficiency in buildings. In addition to rebates, incentives, and technical assistance for efficiency projects, NYSERDA also provides support for Passive House training courses and technical feasibility studies.

- www.nyserda.ny.gov/All-Programs

Utilities

In New York, Con Edison and National Grid provide incentives and rebates for energy efficiency and renewable energy projects. Visit their websites to learn about current offerings relevant to Passive House construction.

- coned.com/energyefficiency
- nationalgridus.com/Services-Rebates

Passive House Products & Professionals

Visit NYPH, PHI, and PHIUS online to find local, certified Passive House professionals and equipment suppliers:

- nypassivehouse.org
- passivehouse.com
- phi.us.org