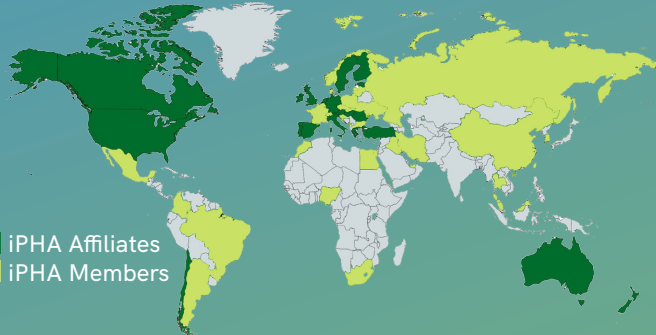


## ● The International Passive House Association

### The global Passive House network

The International Passive House Association (iPHA) is a global network uniting both Passive House experts, and enthusiasts alike. Together with its 22 Affiliate Organizations, iPHA works to promote the Passive House standard and foster a greater public understanding of its benefits and achievability. The network makes a wealth of information available and facilitates active exchange among professionals, policymakers and the public.



## ● New York Passive House (NYPH)

New York Passive House (NYPH) was founded in 2010 by a group of professionals who found the need for an energy-efficient built environment. What started as an unofficial meetup of like-minded professionals has developed into a strong non-profit with members of diverse professional backgrounds. Today, NYPH leads the movement to promote the Passive House building energy standard in New York State and the New York City metropolitan area. Their mission is to make the International Passive House standard widely adopted through public outreach, education and advocacy.

Join the Passivhaus community! By signing up to New York Passive House, you automatically become an iPHA member. For more details on the benefits of a membership, please visit: [nypassivehouse.org](http://nypassivehouse.org)

## New York Passive House (NYPH)

**NYPH** | NEW YORK  
PASSIVE HOUSE

55 Broad Street  
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## International Passive House Association (iPHA)

International  
**PASSIVE HOUSE**  
Association 

[info@passivehouse-international.org](mailto:info@passivehouse-international.org)  
[www.passivehouse-international.org](http://www.passivehouse-international.org)

# Efficiency: The First Renewable Energy

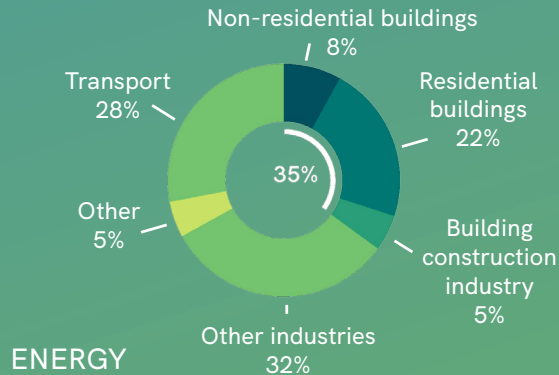


## Efficiency First

### Meeting our goals for climate protection

The United Nation's IPCC highlights the substantial action needed to limit global warming. Currently, 35% of global energy consumption comes from the building sector alone. The operational stage is the largest contributor to carbon emissions, with the majority of this stemming from heating and cooling demand.

Therefore, think #EfficiencyFirst! The Passive House standard (or EnerPHit for retrofits) provides a pathway to meeting our climate goal.



Global share of building and construction final energy, 2019  
(\*Graph based on 2020 GABC Global Status Report on Buildings and Construction adapted by iPHA)

### Efficiency and renewables: A match made in heaven

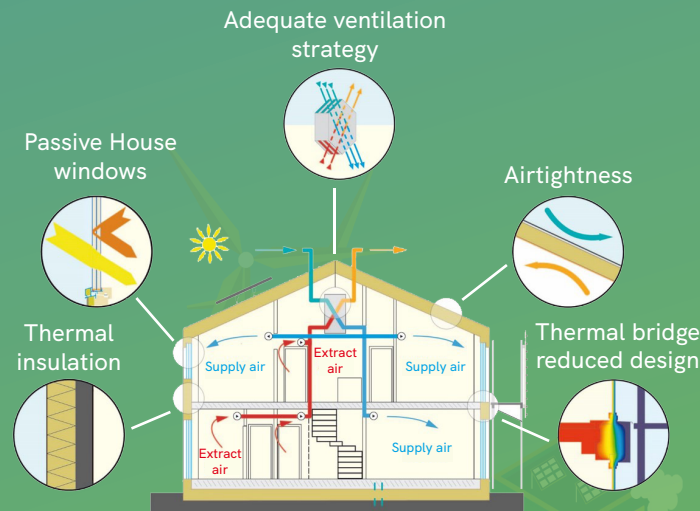
The low energy demand of a Passive House building makes it easy to achieve more with less. Renewables placed on even a small surface area suffice to cover the biggest part of your energy demand! This #EfficiencyFirst approach reduces the costs for energy infrastructure and (em)powers local communities!

## The Passive House Standard

### A thriving international network

Passive House stands for comfort, health, sustainability and savings. As the name suggests, Passive House buildings make efficient use of passive heating and cooling sources. This means they are heated mainly from the sun and from heat by people and equipment.

During the warmer months, strategic, passive cooling techniques such as night ventilation and shading keep Passive House buildings comfortably cool. This substantially reduces the need for active cooling.



The 5 Passive House principles (© Passive House Institute)

The Passive House standard is future-oriented and benefits all. Building professionals profit from a growing industry and satisfied customers, while end users benefit from greater comfort, health and quality assurance. The Standard does not prescribe a particular building design but rather sets transparent performance criteria based on building science.

## The Benefits of Building Better

### The environmental and cost benefits of Certified Passive House buildings:

- **High levels of comfort** - Passive House buildings are insulated for the local climate creating a consistently comfortable indoor climate, free of draughts.
- **Provide fresh air** - The ventilation system with heat recovery cares for comfortable indoor temperatures. In humid climates, a humidity recovery is applied.
- **Built to last** - Passive House buildings are resistant to moisture build-up and mold damage. The reason: Good airtightness and high-quality components.
- **Perform as planned** - The planning tool (PHPP) ensures a reliable energy balance. There is no so-called "performance gap" between the planned energy need and the real energy consumption of a building.
- **Designed as desired** - The Passive House standard is a performance standard and not a specific construction method. Designers are free to choose how to meet the energy performance criteria.
- **Cost-effective** - Over the building's lifecycle, a Passive House building is more cost effective than a conventional build due to its extremely low energy demand and therefore low running costs.