

# MINERGIE®

Better building. Better living.

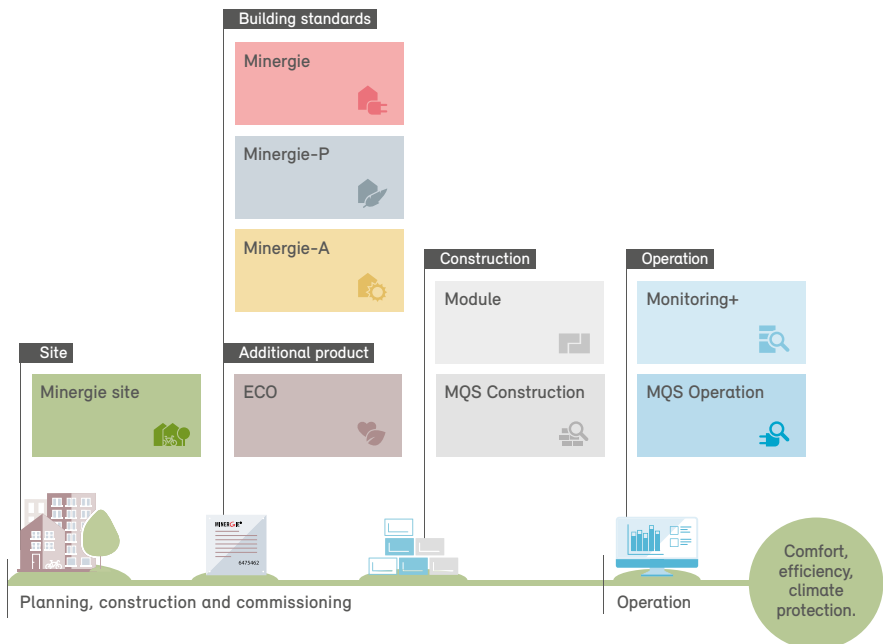


Minergie building standards:  
Comfort, efficiency and  
climate protection combined.

# What is Minergie?

Minergie is the Swiss building standard for comfort, efficiency and climate protection – for new buildings and renovations alike. A high-quality building envelope and controlled air exchange are particularly important in this. Minergie buildings are also notable for their systematic use of renewable energies and for harnessing the potential of solar energy. Their construction minimizes greenhouse gas emissions, and once built they generate zero carbon emissions.

The three well-known Minergie building standards, **Minergie**, **Minergie-P** and **Minergie-A**, ensure maximum quality and efficiency starting from the planning phase. For renovations, there is a simplified certification system (**Minergie system renovation**). **ECO** is an additional product that takes the issues of health and green approach into account. In **MQS Construction**, Minergie-related building components are systematically checked during construction and the results documented. **Monitoring+** and **MQS Operation** ensure that energy consumption and ancillary costs stay as low as possible during operation.



# Requirements

For new buildings and renovations

## Harnessing solar potential

For high self-sufficiency and energy transition

### Minergie-A:

Power produced greater than total energy consumed

### Good thermal insulation

Efficiency and comfort in summer and winter

### Minergie-P:

the most exacting requirements

### Future-proof heat protection

Comfort in summer in spite of climate change

### Air density in building envelope

To avoid structural damage

### Minergie-P and

### Minergie-A: with measurement

### Greenhouse gas emissions during construction

Resource efficiency and climate protection

### Minergie indicator

Total energy footprint while allowing for planning leeway

### Automatic ventilation

Ensures good air quality, low emissions and no structural damage

### Hot water

Minimized energy and water consumption

### Efficient appliances and lighting

For low energy consumption

### Electromobility

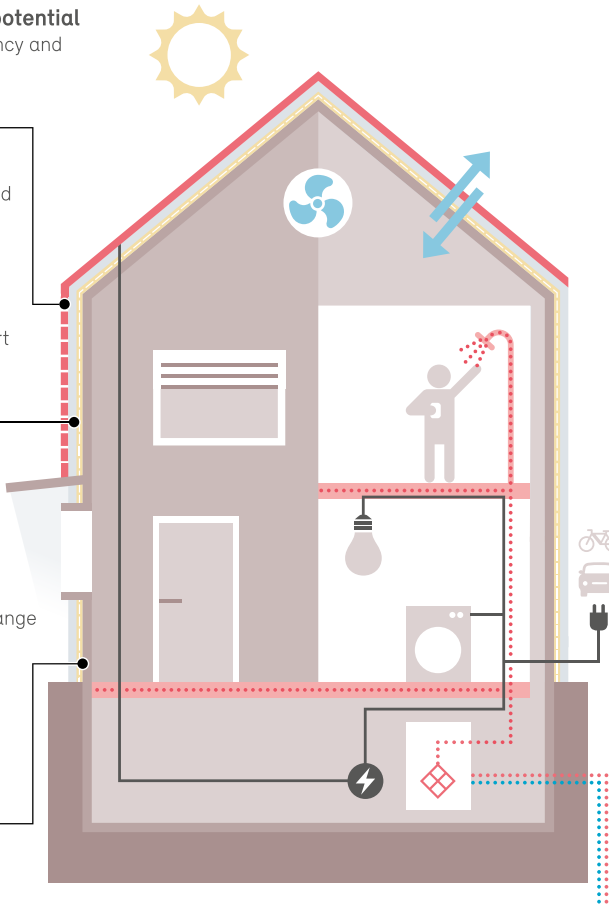
Recharging with the site's own solar power

### Energy monitoring

To optimize operation

### Fossil-free heat generation

For climate protection



# Building standards compared

Minergie offers three building standards for new and renovated buildings – Minergie, Minergie-P and Minergie-A. The difference between these standards lies in the building's energy footprint.



## Minergie: the basis

The Minergie building standard is aimed at construction clients and planners with above-average expectations for comfort, efficiency and climate protection. The energy footprint of Minergie new builds is at least 25 % better than required by law, while Minergie renovations reduce energy consumption by a factor of two to five. The requirements for heat protection are four times higher than for conventional buildings.



## Minergie-P: the building shell pro

Minergie-P buildings use the smallest amounts of energy. A combination of optimal insulation and best-possible use of passive heat sources (e.g. solar power) ensures the utmost in comfort, since heat is retained inside the building for noticeably longer throughout the winter months. Minergie-P buildings are often very compact, making them financially attractive.



## Minergie-A: the eco-friendly building

A Minergie-A building offers maximum self-sufficiency: it generates more than the amount of energy it needs over the course of a year. By feeding electricity into the grid, a Minergie-A building makes an important contribution to the energy transition.

All three building standards can be combined with the additional ECO product, which supplements the Minergie building standards with an especially healthy, recyclable and climate-friendly construction method.

# Minergie: Better building. Better living.

## ✓ Comfort and health

An outstanding building envelope combined with controlled air exchange and good sun protection guarantees a pleasant indoor climate – in both summer and winter. The windows can be opened at any time. Controlled air exchange provides constant fresh air and removes pollutants and excess moisture. There is virtually no risk of mold formation.

## ✓ Efficiency and climate protection

Minergie buildings have extremely low energy consumption. They are heated fossil-free. The buildings make full use of the solar potential for generating electricity on their own site. In fact, a Minergie-A-standard building produces even more energy than it consumes. This makes Minergie buildings self-sufficient and puts them on the best possible footing for the future. What's more, greenhouse gas emissions are minimized when the buildings are being constructed. Planners by and large have free choice of design, materials and building structure.

## ✓ Quality and promotion

Minergie stands for the highest quality in construction and its certification guarantees comprehensive quality assurance. This preserves the value of your building in the long term. Besides the planning phase, the operational products scrutinize the running of the building to ensure maximum efficiency. In many cantons and communes, the Minergie building standards enable better use of your site (utilization, building height, distance between buildings, etc.). The standardized Minergie certification process, clear specifications for all parties involved and the well-qualified network of specialist partners make the entire planning and construction process that much simpler. A Minergie certificate also allows you to benefit from subsidies as well as favorable mortgage conditions due to interest rebates. Did you know? The Minergie application usually replaces the energy certificate in the procedure for applying for a building permit.

# Interested?

We would be happy to provide you with a personal consultation.

## Minergie

Bäumleingasse 22

CH-4051 Basel

Switzerland

+41 61 205 25 50

info@minergie.ch

[minergie.ch](https://minergie.ch)

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