

Enjoy More Heat *for Less*



NAMIWELL
HEALTHY AND ECONOMICAL HEATING



**30% MORE EFFECTIVE THAN
OTHER IR HEATING PANELS**



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Imagine stepping into a room where warmth isn't just a function of rising air temperature but a gentle embrace that radiates from every surface. This is precisely what infrared heating panels deliver.



Enjoy more heat for less

Namiwell IR panel heating is faster, healthier, with higher thermal comfort and economical performance.

30% more effective than other IR heating panels

Utilizing the patented DALYN Technology™, namiwell heating panels achieve unprecedented heating dynamics and economy. In comparison with other heating panels, they save in average 30% of electricity.



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[NAMIWELL.COM](https://namiwell.com)

ABOUT

- We are a Czech company
- Our focus and passion are infrared heating panels for home and commercial usage and their introduction to the wider public
- In 2023, two like-minded companies met and combined innovative technology and efficient heating know-how from Namitech, with extensive manufacturing experience and professional engineering of Mecawel
- We applied the patented DALYN Technology™ to achieve better efficiency than a heat pump
- We cover the whole product lifecycle from development through production, from sales through delivery and service
- Our distribution and service network of experienced and trained partners extends over the Central and Eastern European countries
- We further invest in new technologies that may improve the everyday life for people around the world





RADIANT HEAT FROM THE HEATING PANEL

Radiant heating



- Heat is transferred directly to the surface of the surrounding walls, ceilings, and floors
- Heated surfaces emit heat back into the room, fostering thermal comfort even at lower temperatures
- Room temperature is evenly distributed from floor to ceiling
- Walls are warmer than the air, therefore they remain dry
- The bricks in the walls are dried, which enhances their thermal resistance and longevity
- Natural humidity levels are retained as room air is not dried out
- Minimal air circulation reduces its dustiness
- Heat losses during air ventilation are minimized due to energy accumulated in the room's matter rather than the exchanged air
- Installation of heating panels is easy, requiring only access to electricity, either wiring or a socket

Convection heating



- Traditional radiators heat the air in the room, the warm air rises to the ceiling, cools and descends to the floor
- The circulating air can't effectively transfer its temperature to the room's walls, objects, and occupants
- Uneven room temperatures result from the way hot air moves, leading to cold floors and overheated ceilings
- Heated air dries out the room, causing humidity to condense on colder surfaces such as the walls
- Gradual moisture absorption by brickwork diminishes its thermal resistance, increasing the likelihood of humidity condensation and mold growth
- Dust and allergens are distributed throughout the room by the airflow
- Ventilating the room leads to warm air escaping and cold air infiltrating, resulting in considerable heat loss
- Traditional heating systems require a more complex and time-intensive installation

WHY CHOOSE OUR HEATING PANELS?

- Our IR panel heating is a more efficient alternative to heat pumps
- We reduce your carbon footprint
- This technology has a positive impact on people's health
- The panels dry, sanitize, and increase thermal resistance of buildings
- The unique thin design of the product complements your home stylishly
- Commercial applications save electricity in production halls, exhibition halls, and office spaces, etc.
- Fast, efficient and enjoyable warmth also for historical buildings (castles and churches)
- Thanks to DALYN Technology™, we reach target temperatures faster and reduce energy losses
- Significant cost savings per heated 1m³ compared to traditional heating systems
- Quick and easy to install
- 5-year warranty period
- Our systems have a lifespan of more than 30 years



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HEALTHY AND ECONOMICAL HEATING

Heating with us

Healthy & Safe

Most Economical

Easy & Comfortable

Stylish & Noiseless

Green & Lasting

Heating with us

HEALTHY & SAFE

- Namiwell infrared heating panels convert electricity into electromagnetic radiant heat with the same wavelength as the heat our bodies absorb from the Sun.
- Infrared radiant heat penetrates deeply beneath the skin, triggering numerous health-promoting processes within the body.
- Reduced air circulation prevents the dispersion of dust and allergens.
- The even distribution of heat throughout the room inhibits water vapor condensation, ensuring dry walls and preventing the growth of mold and saltpeter.
- The distance between the heating panel and people in the room ensures negligible electromagnetic radiation exposure (especially when compared to underfloor electric heating).
- We employ high-quality safety-glass and thermal fuses to mitigate any potential, prioritizing the safety of your space.

MOST ECONOMICAL

- There is no need for high-cost utilities such as gas distribution or heat network.
- The total expenses for purchase, maintenance and operation are 20-60% lower compared to other heating methods.
- Utilizing DALYN Technology™ enables additional savings and a more economical output than a well-designed heat pump.
- The optimal price-to-performance ratio, combined with substantial savings during decades of operation, makes for an exceptionally efficient heating system.
- Panel operation is service-free, there is no need for special inspections, demanding cleaning, or part replacements.
- Directly heating the building's walls with radiant heat aids in drying them out, maintaining a dry and clean environment, and extending the building's lifespan by minimizing the need for repairs.

EASY & COMFORTABLE

- Installation is quick and easy, as the sole infrastructure requirement is electricity.
- Smart thermostat controller allows for straightforward and precise temperature regulation in each room.
- Namiwell panels can be equipped with a Wi-Fi module, granting you control from your smartphone through our web application.
- Additionally, you can integrate the panels into your smart home system.
- The only maintenance required for the panels is regular cleaning to remove dust, which could impact their performance.
- Experience consistent warmth and comfort with the even distribution of heat from head to your toe.
- DALYN Technology™ provides unprecedented heating speed and optimizes panel performance for swift warming of your place.

STYLISH & NOISELESS

- Incorporating glass and a frameless slim design results in a minimalist and timeless aesthetic, elevating the heating panel to the status of a luxurious home accessory.
- The front safety glass is customizable to any RAL color, with standard options including white or black, as well as an elegant mirror variant. Our panels seamlessly complement your interior design.
- Achieve a stylish and minimalist look by integrating our panels into the ceiling.
- Additionally, our panels can be fitted with ambient perimeter lighting.

GREEN & LASTING

- Electricity is the only input into our heating system, and when paired with renewable energy sources, it enhances the sustainability of your heating system.
- Utilizing a blend of solar panels to generate surplus energy, storing it in batteries, and deploying it for namiwell heating panels when needed, alongside potential peak energy sales and off-peak purchases guided by usage and weather forecasts, constitutes the optimal heating configuration available.
- Our panels generate no CO₂ emissions, thereby aiding in the reduction of your carbon footprint.
- With a robust and elegant build, premium materials, and a heating element composed of a precious metal, our heating panels boast a lifespan exceeding 30 years.
- Radiant heat within the room warms and dries out buildings, rehabilitating them and extending their longevity.
- Namiwell panels and their production materials are fully recyclable.

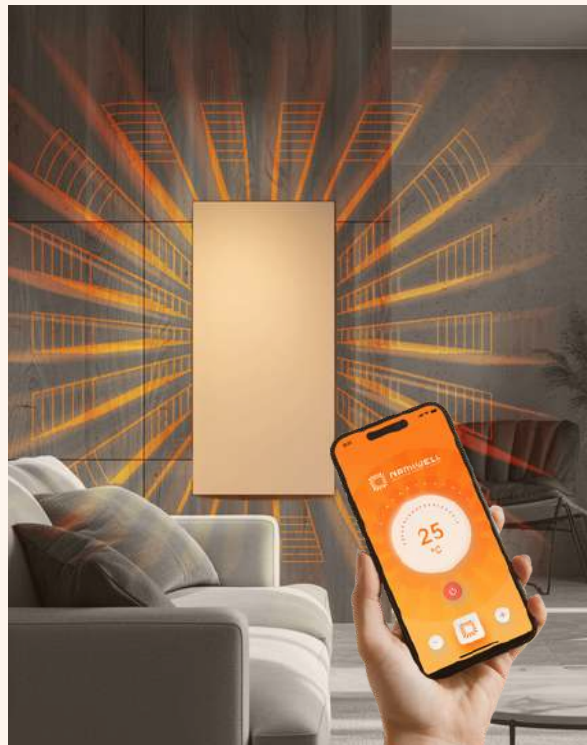


OUR OFFER

- Consultation in “smart heating”, including professional calculation and design of heating elements for individual rooms
- Application of patented DALYN Technology™ for more economical and dynamic heating
- Preparation of technical documentation
- Sales and distribution
- Installation
- After-sales service

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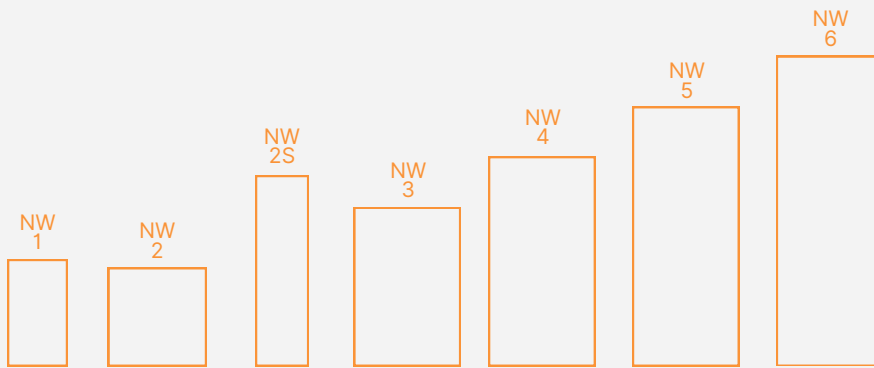
SPECIFICATIONS

- Calorific value calculations serve as general guidelines. The design of a specific heating system considers the unique conditions of the building
- The operating temperature of the panel is 100-130 °C, after reaching the operating temperature, the power consumption is reduced by 10%
- The features of the mirror panel design can slightly differ




Type	Input Power
NW 1	335 W
NW 2	415 W
NW 2S	415 W
NW 3	1 000 W
NW 4	1 330 W
NW 5	1 660 W
NW 6	2 000 W

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Dimensions	35 x 64 cm	59 x 59 cm	32 x 114 cm	64 x 95 cm	64 x 125 cm	64 x 155 cm	64 x 185 cm
Weight	3,0 kg	4,5 kg	4,5 kg	8,9 kg	11,9 kg	14,7 kg	17,7 kg

- Placement:** ceiling or wall
- No. of brackets:** 4 - 6
- Thickness:** 2,8 cm
(5,4 cm incl. electronics)
- Supply voltage:** 400 V / 50 Hz,
230 V / 50 Hz
- Protection:** IP20
- Guarantee:** 5 years
- Colors:**
 -  white glass
 -  black glass
 -  mirror
 -  other RAL colors

Heated room volume per 1 heating panel	NW 1	NW 2	NW 3	NW 4	NW 5	NW 6
	35 x 64 cm	59 x 59 cm	64 x 95 cm	64 x 125 cm	64 x 155 cm	64 x 185 cm
Passive buildings	42,0 m ³	52,0 m ³	125,0 m ³	167,0 m ³	208,0 m ³	250,0 m ³
Low-energy buildings	28,0 m ³	35,0 m ³	83,0 m ³	111,0 m ³	139,0 m ³	167,0 m ³
Well-insulated buildings	17,0 m ³	21,0 m ³	50,0 m ³	67,0 m ³	83,0 m ³	100,0 m ³
Poorly-insulated buildings	12,0 m ³	15,0 m ³	36,0 m ³	48,0 m ³	60,0 m ³	71,0 m ³

CASE STUDY

Heating costs comparison

Model calculation - assumptions

- heated area = 120 m²
- gas price = 0,10 EUR/kWh
- electricity price = 0,20 EUR/kWh
- considered period = 15 years

We compare:

- gas condensing boiler
- electric radiators
- electric under floor heating (cable, film)
- heat pump (HF 2,5 at -5°C)
- namiwell IR heating panels with DALYN Technology™

Understanding the true cost of heating systems is essential for homeowners and businesses alike. The array of options can be overwhelming.

By shedding light on the economy of purchase and operation of each reference system, we aim to empower you with the knowledge needed to make informed decision about your heating needs, ensuring health, comfort, and financial efficiency.



savings
compared to other heating systems

Overview of selected heating systems total costs

	Purchase, infrastructure, installation (EUR)	15-year maintenance and service (EUR)	annual consumption (kWh / m ²)	15-year consumption (EUR)	15-year total costs (EUR)
gas condensing boiler	12 000,-	6 000,-	129	23 220,-	41 220,-
electric radiators	1 600,-	2 400,-	150	54 000,-	58 000,-
electric underfloor heating	6 000,-	1 000,-	71	25 560,-	32 560,-
heat pump	14 000,-	10 000,-	36	12 960,-	36 960,-
Namiwell IR heating panel with DALYN Technology™	4 000,-	1 000,-	48	17 280,-	22 280,-

For a more precise estimate, it's best to consult with a heating professional who can take into account specific factors relevant to your situation. Order our qualified study in order to delve deeper into the intricacies of heating panels application.

Ultimately, we seek positive effects for you, your home, your wallet, and our planet.

INTRODUCTION

DALYN TECHNOLOGY™



Decreasing energy losses
with higher efficiency
and enhanced dynamics of
heating



DECREASING ENERGY LOSSES WITH HIGHER EFFICIENCY AND ENHANCED DYNAMICS OF HEATING

DALYN Technology™ works as an electrical converter, modulating voltage and current flow through heating elements. It thus increases the heating output and overall dynamics of the heating process, **reducing energy losses by affecting the conduction, convection, and radiation of heat.**

DALYN Technology™ is best applied to systems where there are significant heat losses. In such cases, DALYN contributes to the optimization of the heating the most.

We achieve energy and cost savings by **making the heating process more efficient and consuming less electricity.** The result is energy savings, meaning financial savings as well. An additional advantage of DALYN Technology™ is a **significant reduction in the time required to reach the target temperature.** This generates savings because time is money.

DALYN Technology™ is being used in **over 1,800 installations** (such as infrared heating panels, saunas, bakeries, electric boilers, rubber vulcanization, fryers).

The technology is patented and has been **tested by independent authorities** such as TÜV-SÜD and ČEZ ESCO. In lab real-life simulations and in a number of real applications, **DALYN Technology™ helps to save an average of 30% of electricity.**



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