

A-Euro Ergo I.K.E

Innovative 12V Low-Voltage Heating

Our patented low-voltage heating. Our mission is to provide innovative and sustainable heating systems that minimize energy consumption and maximize comfort.

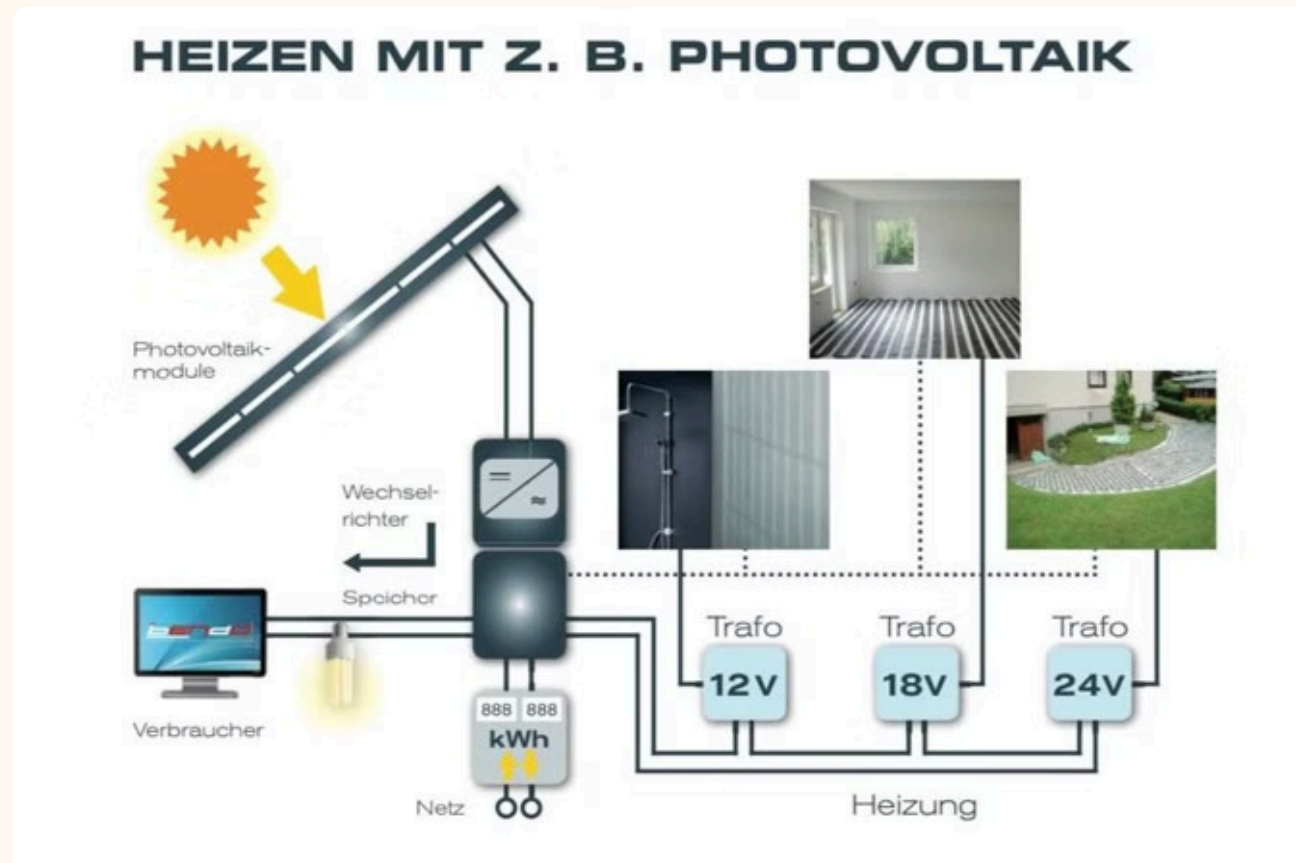
With a range of product lines, we offer customized solutions for various applications, from residential homes to offices to specialized uses in horticulture and temporary structures, all based on **12V technology**.

Meets the highest subsidy standards for funding eligibility.



Energy Efficiency:

Optimized Heating Systems



Optimization

Our heating systems are designed to maximize energy efficiency, with savings of up to 30% compared to conventional heating systems.

Insulation

Special insulation materials reduce heat loss, further increasing efficiency.

12V Low Voltage Heating

Offers increased safety, extremely low energy consumption, and is ideal for operation in combination with any power generator such as **solar systems or batteries**.



Renovations and Refurbishments:

Easy Installation

Easy Installation

Quick and easy installation without extensive chiseling or milling work.

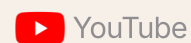
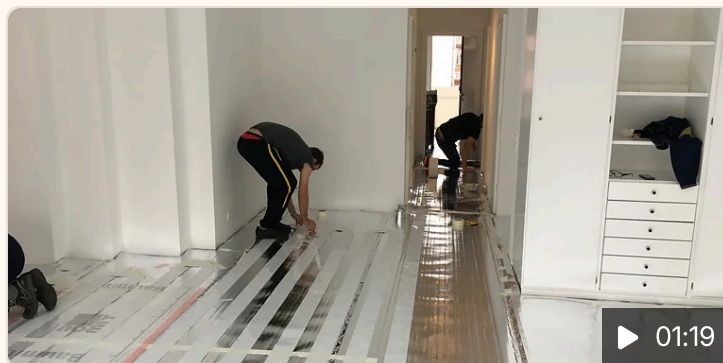
Cost Efficiency

Lower installation costs and reduced assembly time compared to traditional underfloor heating systems.

Meets the highest subsidy standards

Low Profile

Only **4 to 6 mm installation height**, ideal for rooms with low ceilings and historic buildings or projects under heritage protection.



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Smart Home Integration

1

Compatibility

Support for integration into smart home systems like Google Home, Amazon Alexa, and Apple HomeKit.

2

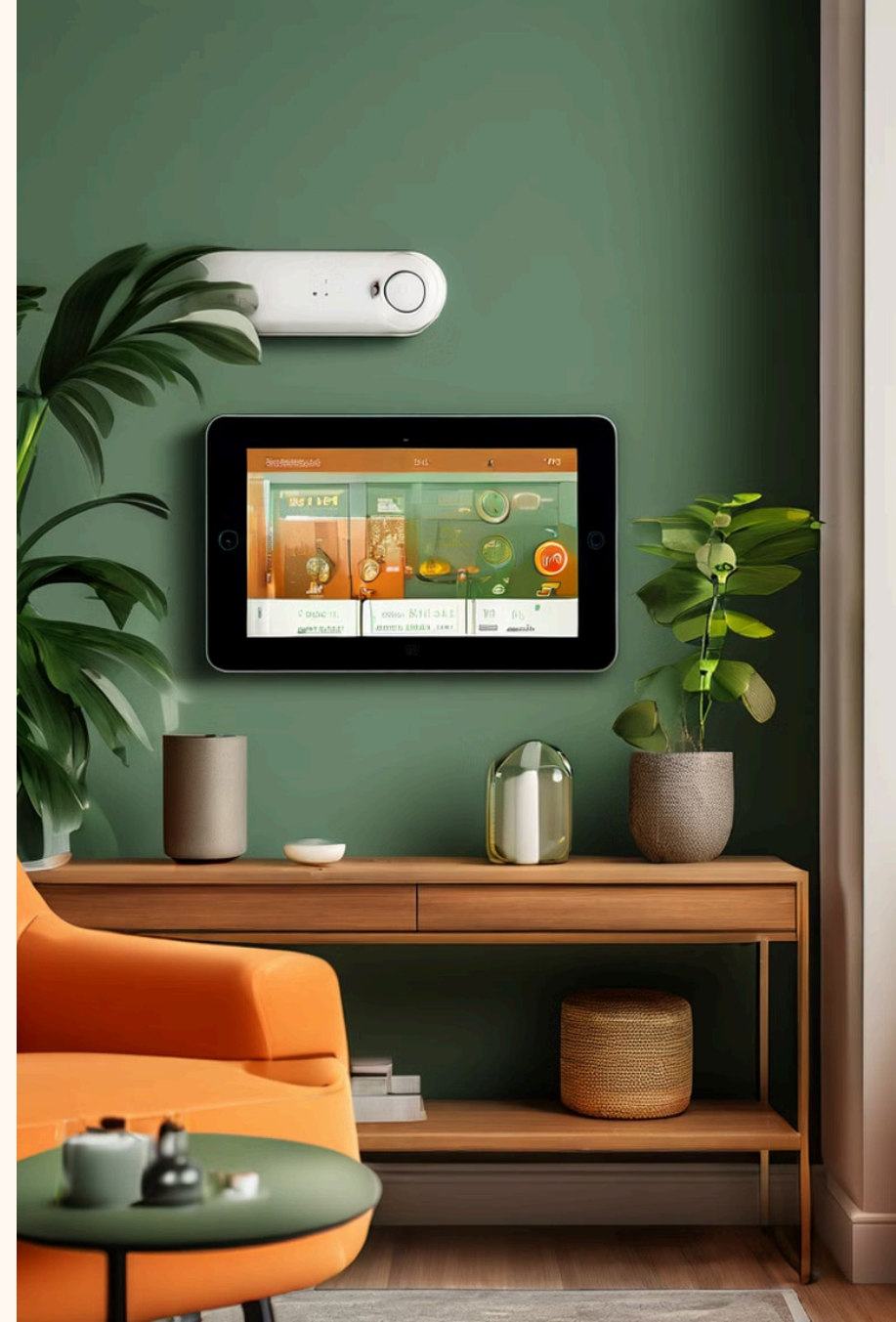
Automation

Automatic adjustment of heating profiles based on user behavior and external factors.

3

AI Control

Use of AI-controlled algorithms to optimize heating operation.





12 V Premium: Meeting individual heating requirements

Premium is ideal for rooms with special heating requirements, such as large living rooms, offices or conservatories. The high performance and precise temperature control ensure perfect comfort, whether you need a cozy atmosphere or an efficient heating system.

The Premium heating elements are equipped with a carbon coating, which significantly increases their efficiency and response time. Depending on the room size, you can choose between 100 and 250 watts per square meter. The integrated WLAN thermostats can be conveniently controlled via a smartphone app and enable detailed heating programs for each weekday.

In addition to programming the heating times, optional motion and light sensors can further optimize the operation. This means the heating elements only switch on when someone is in the room and automatically adjust the output to the room usage. This significantly reduces energy consumption without compromising comfort.

12V Comfort:

Large-scale heating solution

Application

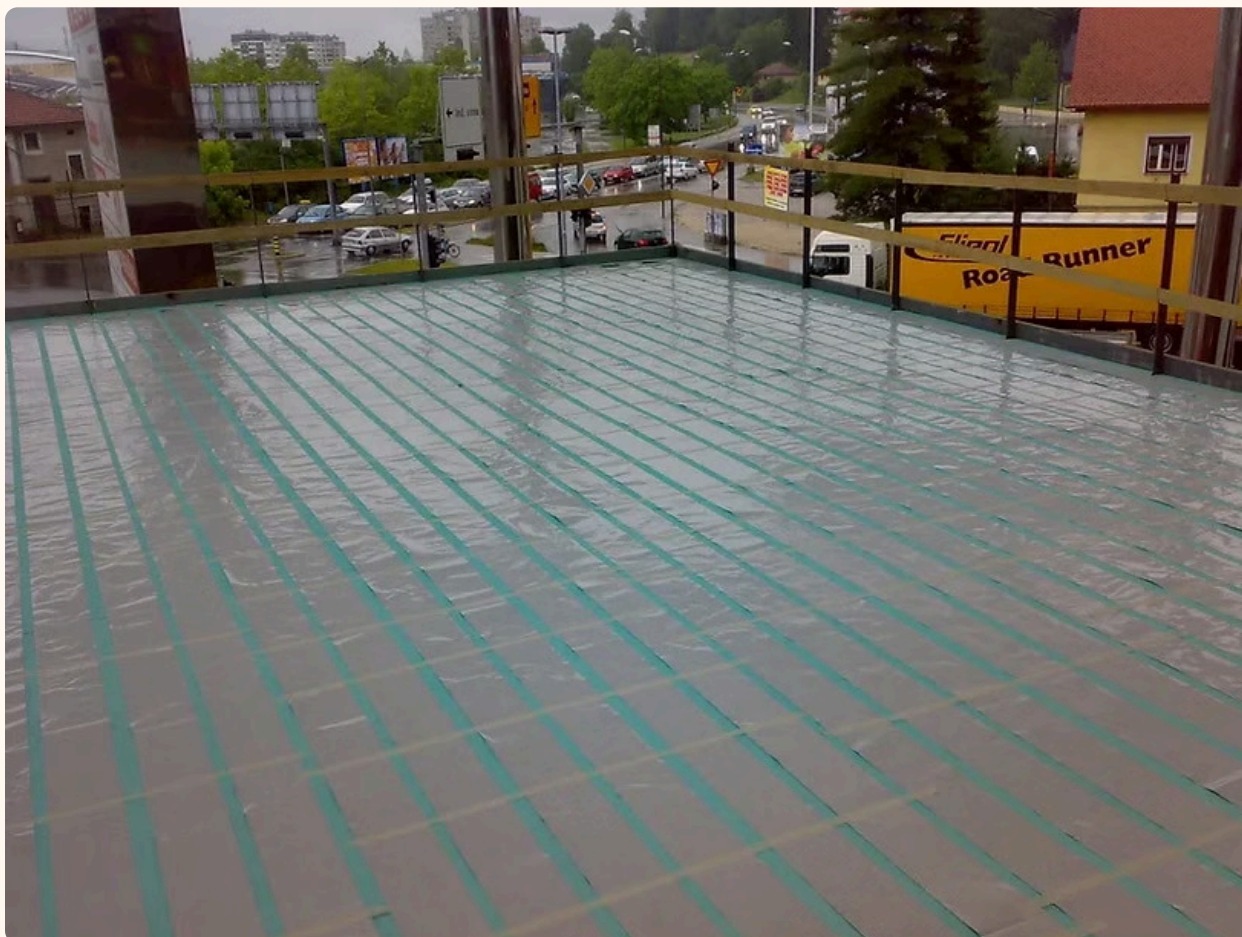
Ideal for large-scale living and work areas.

Technology

Aluminum oxide coated heating elements for even heat distribution. Heating capacity up to 200 watts per square meter. Integrated thermostats for precise temperature control between 5°C and 30°C.

Features

Reduced heat loss through advanced insulation. Durability through corrosion-resistant materials. Easy integration into existing heating systems through plug-and-play connections.





12V Nature:

For optimal plant growth

- The 12V Nature heating solution is specially developed for horticulture & agriculture.
- The heating mats are moisture-resistant and consist of low-frequency infrared that specifically warms the plant roots.



- The heating output of 50 to 150 watts per square meter adapts to the requirements of the cultivation.
- Precise sensors measure the soil and air temperature, ensuring an optimal growth environment.
- The heating mats are robust and resistant to weather conditions and UV radiation.

Areas of Application: Residential and Office Buildings

Application	Product	Technical Details
Residential Buildings	Comfort, Premium	Heating capacity 10m ² - 200m ² , Smart technologies
Offices	Premium	zone-controlled heating solutions, room air sensors

Our solutions offer customized heating options for single-family homes, multi-family homes and vacation properties, as well as efficient heating systems for office buildings that increase employee comfort and reduce operating costs.

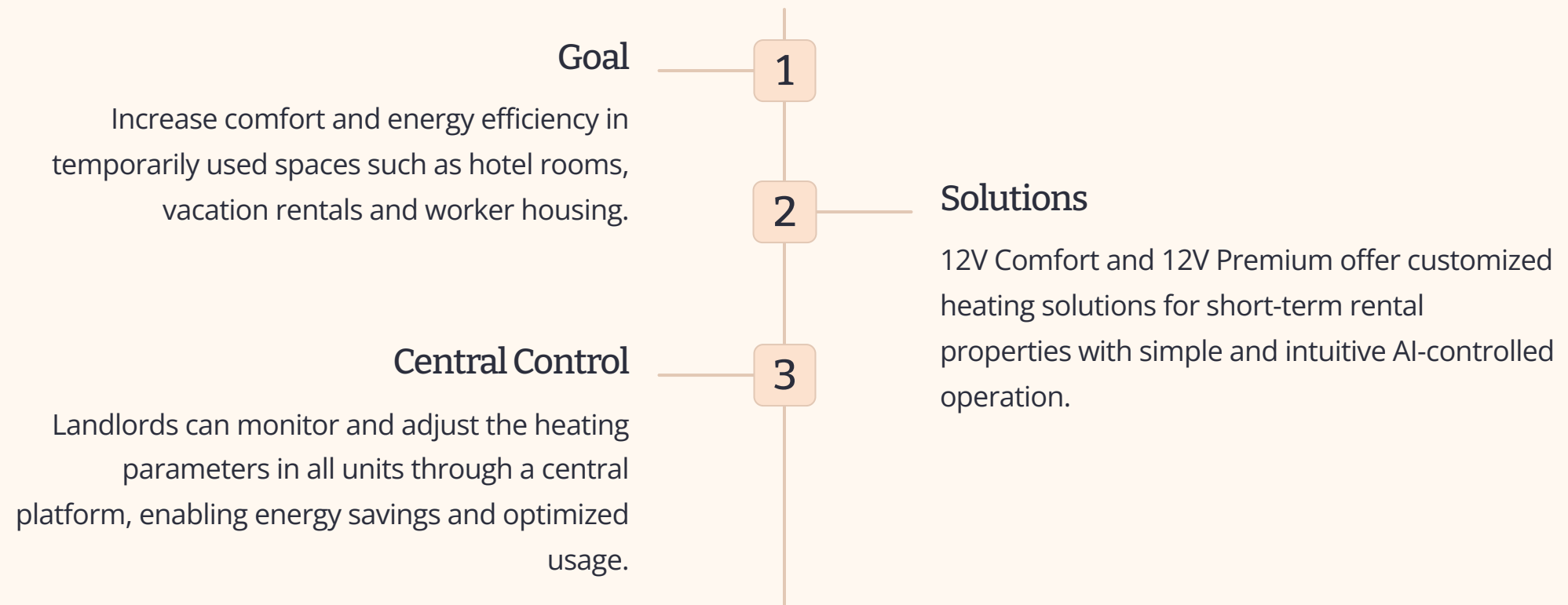




Rental Heating Solutions:

Comfort and efficiency, despite **high savings**

Potential applications: Hotels, vacation rentals, worker housing, rental heating



Heating Elements: High-Performance Materials



Aluminum Oxide

For even heat distribution and high efficiency.



Carbon

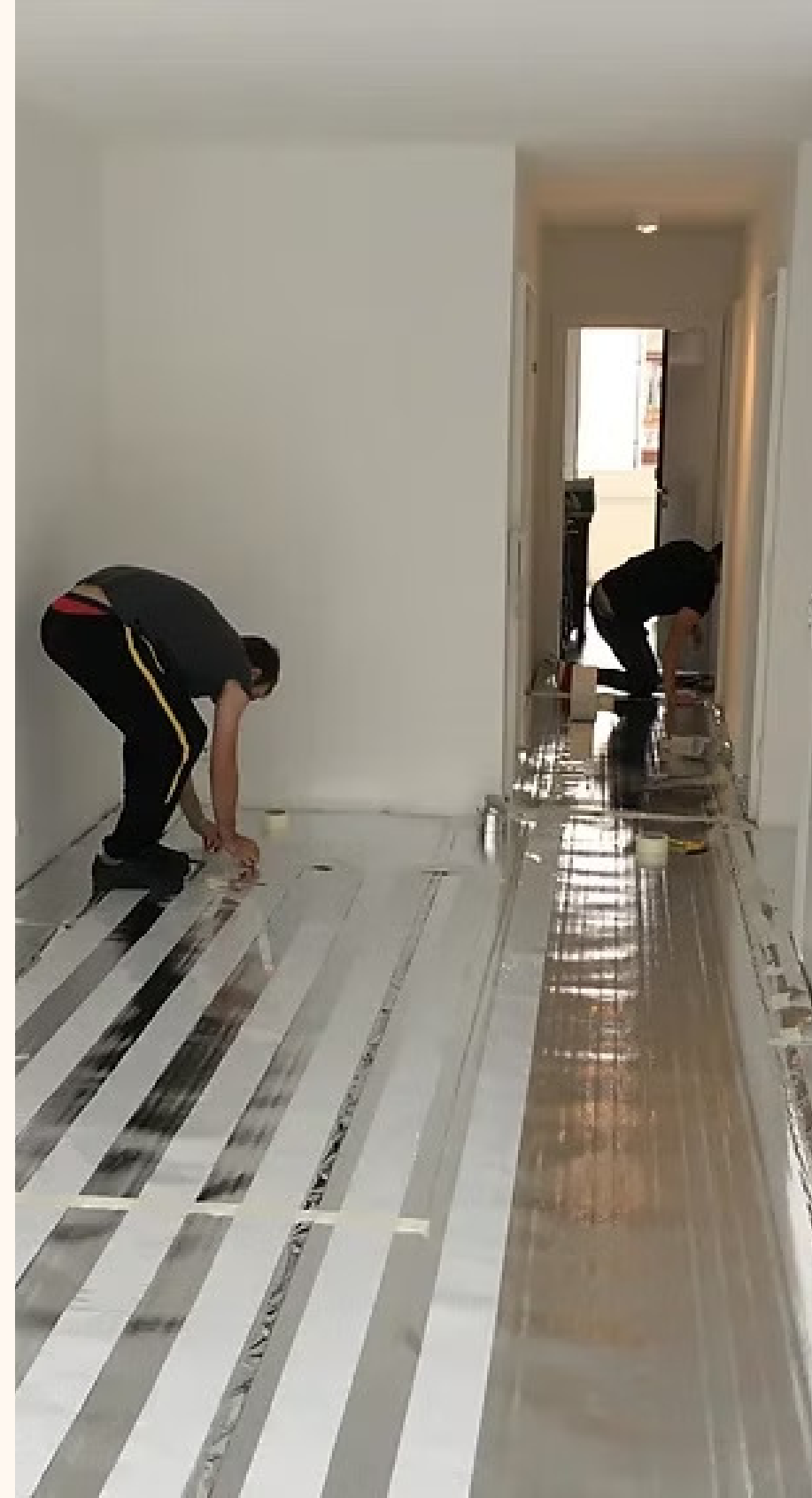
For fast response time and high performance.



Coated Polymers

For specialized applications and flexibility.

Our heating elements use high-performance materials like aluminum oxide, carbon, and specially coated polymers. These materials enable uniform heat distribution across the entire surface and increased lifespan due to corrosion resistance, even under extreme conditions.





Thank You

We appreciate your time and interest in our energy-efficient heating solutions. We're committed to providing innovative and sustainable options for diverse applications.

If you have any questions or would like to learn more about our products and services, please don't hesitate to contact us.