

RENOVATION with the ModularWall

Heating and Cooling.

Designed for fast, efficient and energy-saving renovation.
Optimal as a supplement to the heat pump.

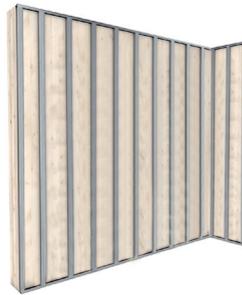


Old radiators are removed and replaced with the ModularWall.



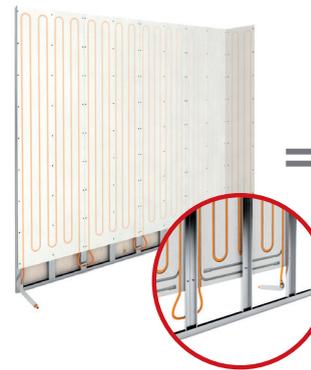
Variotherm ModularPanel with integrated VarioModular pipe.

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Preparation of a standard metal or wooden stud construction.

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Install the ModularPanels which have been tested for their healthy building properties.

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Filling, painting and the ModularWall is ready for heating and cooling!

www.variotherm.com

VARIOTHERM

RENOVATION with the ModularWall

The panel system made of gypsum fiberboard, which has been tested for their healthy building properties, can be installed completely flexibly on walls and roof slopes. **Heating, cooling and finished wall are perfectly combined in one solution.**

THE VARIO THERM MODULAR WALL

1. Save up to 25 % energy on heating and up to 50 % on cooling.
2. No other system allows you to heat & cool - free of drafts, pleasant and healthy indoor climate included.
3. Quick and easy installation in drywall construction.
4. The VarioModular pipes are already integrated in the ModularPanel. This guarantees optimum heat transfer.
5. The sophisticated complete system: the planning, ModularPanels, pipes, screws, adhesive, room thermostats, manifolds, all press connections - Variotherm simply supplies everything!

Important on the subject of cooling walls:

For cool walls, the system must be connected to a cooling source (e.g. heat pump, deep drilling, geothermal cooling).



In TOUCH

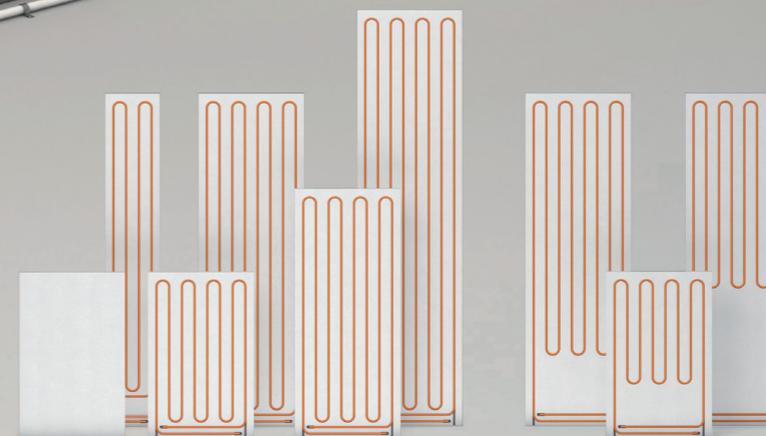
Our beautiful room thermostat allows the simplest control with cool features!

Hanging pictures?

No problem, because the aluminum multilayer composite pipes are easy to locate later with the Variotherm pipe locator, a thermofoil or a thermal camera.

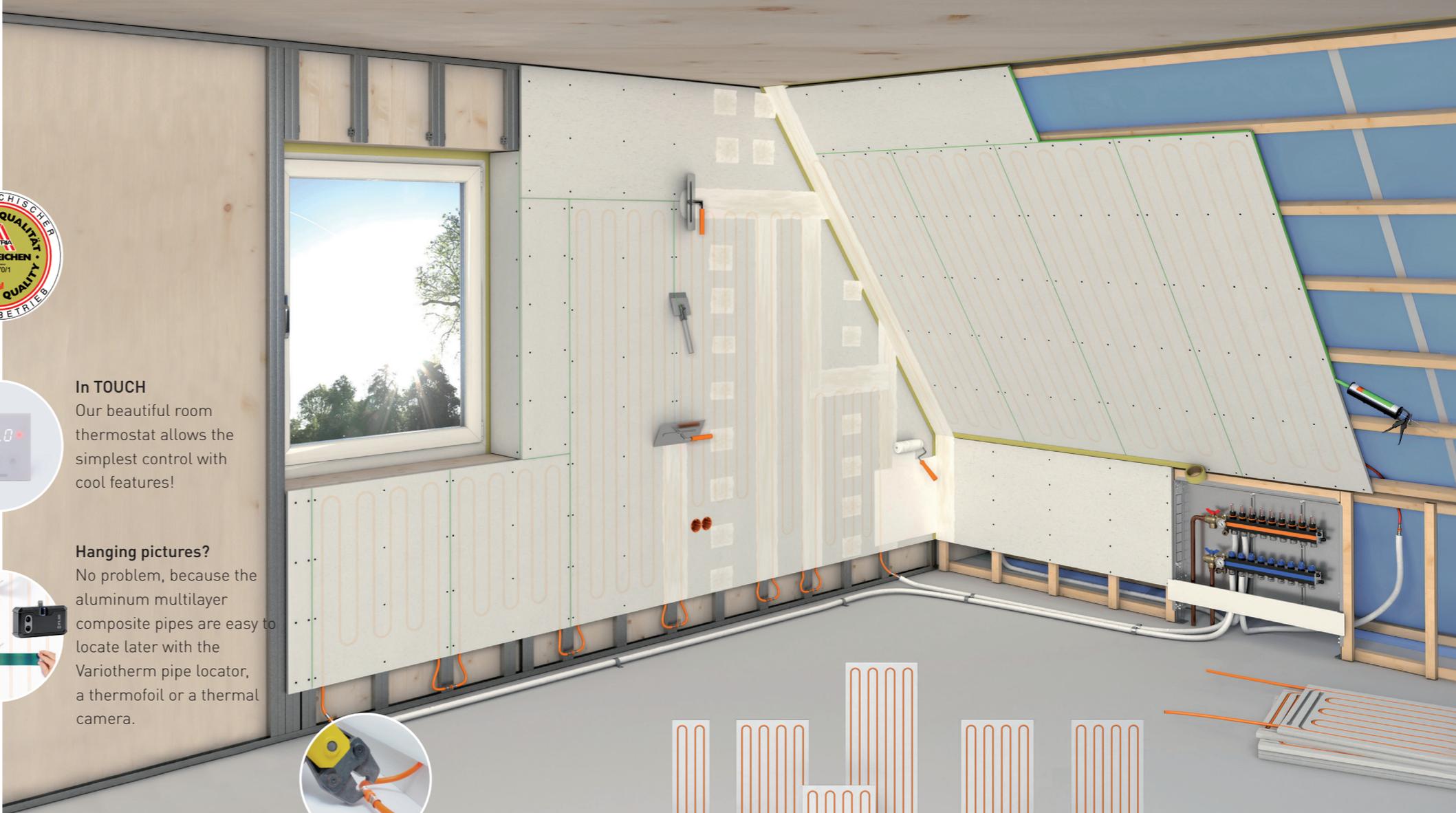
That lasts! Guaranteed!

All raw joints are 100% leak-proof. Once grouted, they last a lifetime.



The ModularPanels.

The 8 different ModularPanels allow all design wishes, including roof slopes!





Our video shows the conversion of radiators to a ModularWall heating and cooling.



IT'S THAT EASY

Set up. Screw on. Connect the tubes. Fill and paint. The feel-good wall is ready.

The gypsum fiberboards, which have been tested for building biology, are mounted on metal or wooden stud structures using the dry construction method.

Our manifolds. All Variotherm heating/cooling manifolds are ready assembled and pressure tested depending on the application and can also be combined with high temperature heating systems!



Sophisticated!

Pre-marked grit holes ensure precise positioning of the screws and at the same time make it impossible to drill into the pipes.



FAQs

Do I need additional conventional plasterboard when converting an attic?

No, because the high-quality gypsum fiberboards are already a finished wall.

Can I install additional insulation behind the gypsum fiberboard?

Yes, this is even recommended for non-insulated exterior walls.

What are the flow temperatures of the ModularWall?

The ModularWall also heats with the lowest flow temperatures of between 27 to 34 °C. When cooling, 16 to 20 °C chilled water flows through the pipes.

Can I install sockets, spotlights, loudspeakers or ventilation outlets in the ModularPanel?

Yes, these can be included without any problems.

Are the ModularPanels fire-proof?

Yes, the Variotherm ModularPanels are certified by the Institute for Fire Protection Technology and Safety Research Linz (IBS).

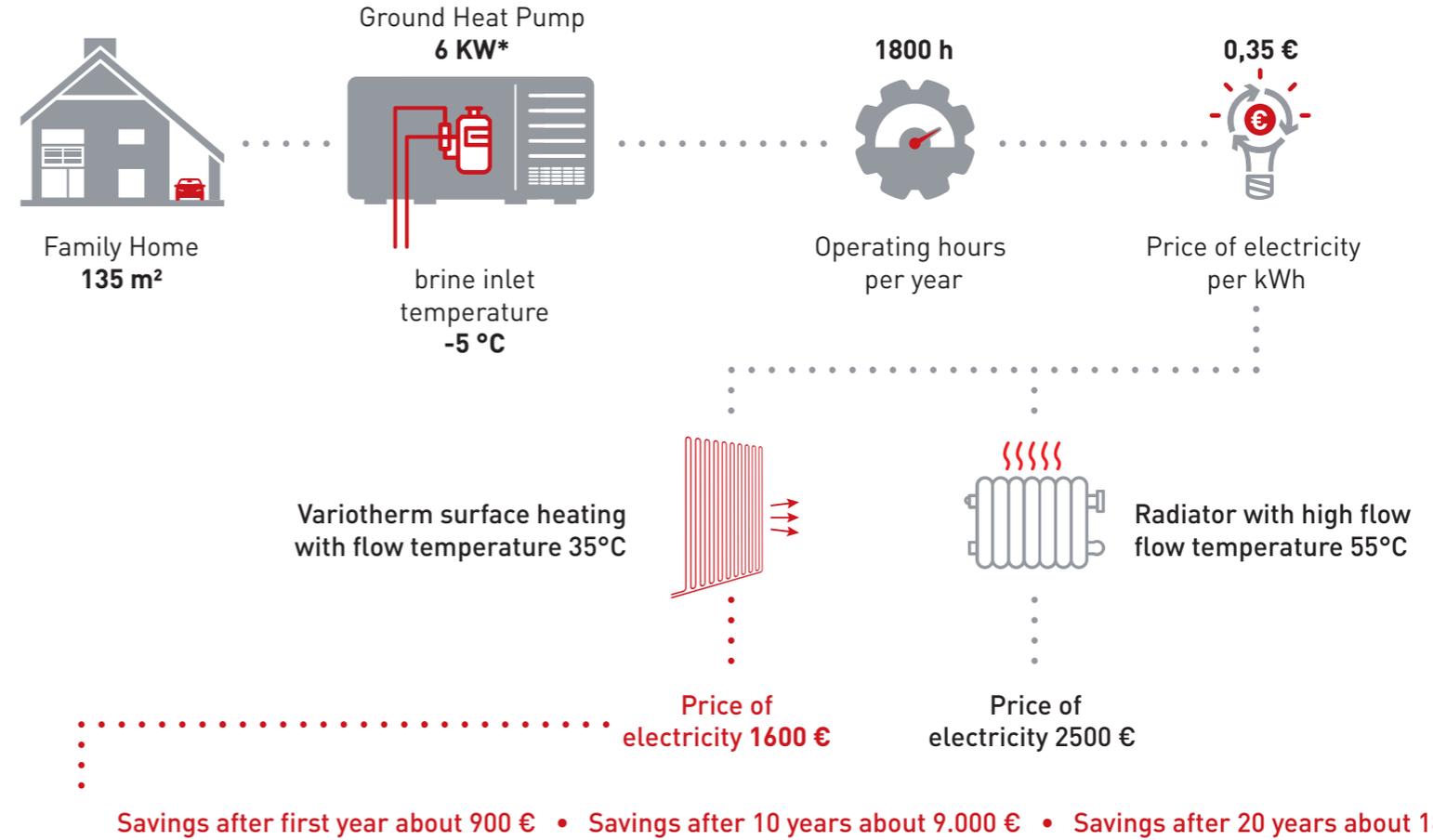
Do I need an additional air conditioning system?

No. With sufficient dimensioning, you will obtain a comfortable indoor climate.

Is it really possible to heat and cool with the same surface area?

Yes - so it is comfortable from morning to night, whether in summer or winter!

HOW TO SAVE MONEY - AN EXAMPLE



*Daikin Altherma 3 GEO

Under these conditions, the electrical energy for 10 kWh of heat is 2,52 kWh of electricity for a flow temperature of 35 °C and 3,99 kWh of electricity for a flow temperature of 55 °C according to the manufacturer.

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