



SAVE ENERGY IN STYLE

HYDRONIC UNDERFLOOR HEATING BY REHAU

HYDRONIC UNDERFLOOR HEATING

EXPLORE THE POTENTIAL



SILENT COMFORT

- Hydronic underfloor heating evenly distributes warmth throughout the floor area, resulting in a pleasant “warm feet, cool head” effect.
- Like the sun on a winter’s day, hydronic underfloor heating warms the room via a high level of radiant heat, avoiding the dryness usually associated with high-intensity heating systems installed within the building structure.
- A closed system of underfloor water pipes means no noisy space heaters or blowing air.

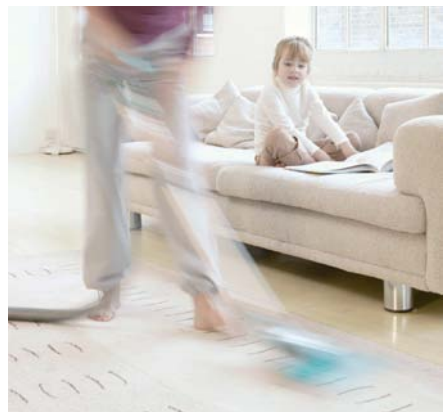
Increase
office
productivity



SAVE ENERGY AND THE ENVIRONMENT

- Save up to 30% in home heating energy usage.
- By warming your house or building from the floor up you can lower the comfortable room temperature set point by 1°C to 2°C, thereby reducing the energy input required.
- Low energy intensity and efficient transfer of heating energy ensure hydronic underfloor heating is one of the lowest carbon footprint technologies available.

Up to 30%
energy
saving*



HYGIENIC, SAFE & EASY TO MAINTAIN

- Warm and dry floors inhibit the growth of house dust mites. Combine that with almost zero air movement, hydronic underfloor heating provides significant health benefits, in particular for sufferers of allergies and asthma.
- No chance of injuries caused by radiator panels, the perfect solution for schools, nursing homes, hospitals, and similar public buildings.
- With almost zero mechanical equipment and simple one-step room temperature control, hydronic underfloor heating is easy to operate and even easier to maintain.

Reduce risk
of asthma
and allergy



FREEDOM AND FLEXIBILITY OF DESIGN

- Because the heating system is totally hidden, there are no air ducts or protruding heating units to hinder design considerations.
- Enclosed within the building slab and operable by remote controls, hydronic underfloor heating provides a tamper-proof and 100% secure heating solution.
- The floor is a large heat emitter so only ‘warm’ water (heated to 35°C to 45°C) is required. This opens the possibility of using renewable energy sources such as solar and geothermal, as well as conventional sources like gas.

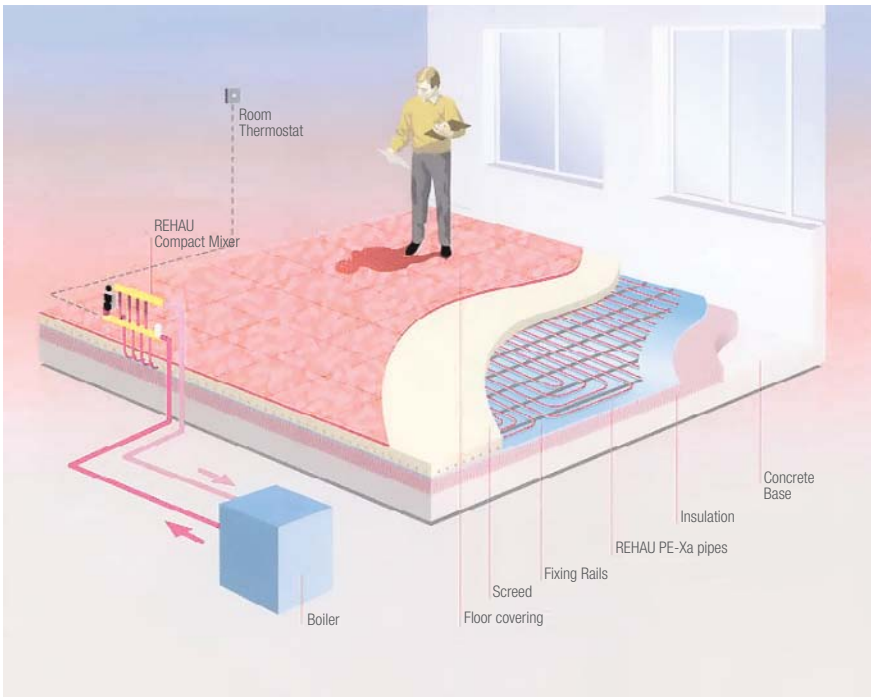
Complete
freedom in
space design



*Source: Sustainable Energy Authority VIC

HYDRONIC UNDERFLOOR HEATING

EFFICIENT. SAFE. STYLISH AND COMFORTABLE.



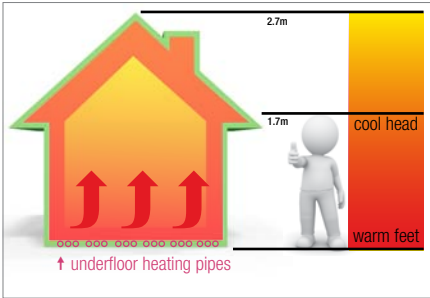
What is Hydronic Underfloor Heating?

Hydronic Underfloor Heating works by circulating warm water through a closed network of pipes laid in the floor, gently spreading heat throughout the house. As it is a closed system, water is re-used once commissioned and does not need to be refilled. The water can be heated by almost every energy source, e.g. conventional gas boilers or renewable energy sources such as solar.

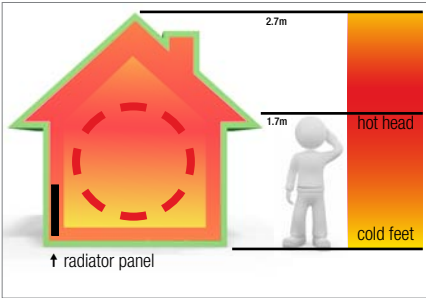
In combination with a renewable energy source, **this system requires only a minimum of electricity and is therefore most environmentally friendly.**

Why choose an Underfloor Heating System?

Because it uses the highest proportion of radiant heat transfer, underfloor heating is the most efficient of all residential heating systems. Temperature variations can occur when using air-conditioning or traditional radiators due to uneven coverage. Underfloor heating eliminates this problem with even heat distribution throughout the entire floor area.



Underfloor heating is the closest to an ideal heating system



Radiator heating

By using a closed water circuit to warm your house or project, REHAU Hydronic Underfloor Heating can offer comfort and environmental benefits.



Underfloor heating is environmentally friendly

The underfloor heating system provides close to an ideal temperature curve – “warm feet and cool head”, whereas the radiator system supplies the heat in the form of a wave, resulting in uncomfortable “hot head and cold feet”.

REHAU

QUALITY YOU CAN TRUST



A SOLUTION FOR EVERY INSTALLATION

Whether a new build or refurbishment, REHAU offers an installation system that suits your project and most floor cover types, **including polished concrete, timber floors, carpet, tiles and more.**



REHAU QUALITY – PIPING THAT LASTS

- Million metres of RAUTHERM S pipe have proven its quality during installations across the globe in the last 30 years.
- Completed by the permanent leak-proof compression sleeve jointing technology, REHAU RAUTHERM S piping system with EVOH oxygen barrier provides a no-worry installation, each and every time.

10 years warranty*

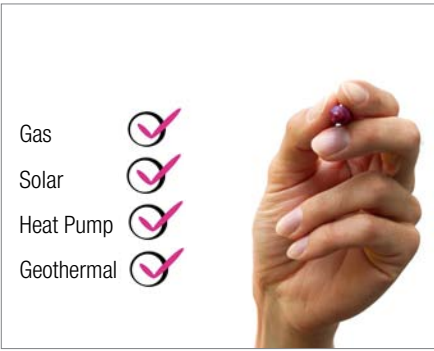


MAXIMISE PERFORMANCE WITH THE OPTIMAL CONTROL

The Room Thermostat ADR-UFH features an integrated timer which can be programmed to run at any time and offers the option to heat with off-peak energy.

Tailored for every budget, REHAU's Room Thermostats are specifically designed for Hydronic Underfloor Heating. Control each room separately or simply have one thermostat for all.

Specially designed for underfloor heating

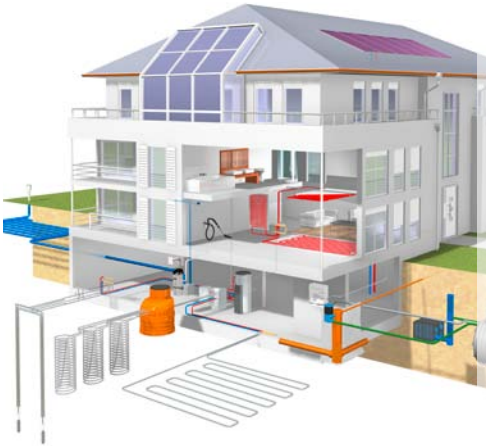


CHOOSE YOUR ENERGY SOURCE

REHAU gives you the freedom to choose your energy source. If you have an existing gas boiler or plan to install solar panels, a heat pump or utilise geothermal energy, REHAU Hydronic Underfloor Heating system is compatible.

For advice or guidance about selecting the right energy source, contact our Technical Service team or your local REHAU sales office.

* Conditions apply



GERMAN ENGINEERING AND KNOW-HOW

REHAU is a leading world brand, recognised for Quality, Innovation and Service. Founded in 1948, REHAU enjoys an impeccable reputation across the globe for developing innovative solutions covering a broad spectrum of products and services to the Construction, Automotive and Industrial sectors.

As an independent, privately-owned company, REHAU has achieved continuous growth. With 15,000 motivated employees

at 170 locations around the world, REHAU transforms our customers' most stringent requirements into products and services that exceed expectations everyday.

More than
30 years
of experience

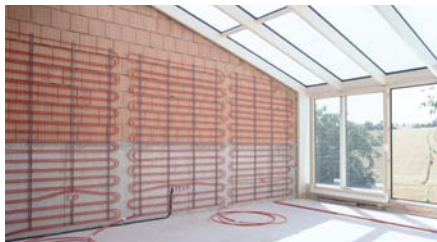
30 YEARS OF EXPERIENCE AT YOUR DOORSTEP

REHAU has 30 years experience with Hydronic Underfloor Heating throughout the world and is now bringing its expertise and superb technology to Australia and New Zealand.

RESIDENTIAL



Family homes



Conservatories



Apartments

COMMERCIAL



Casinos, hotels



Age care facilities and hospitals

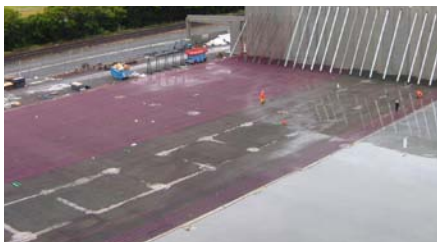


Schools, universities

INDUSTRIAL



Car dealerships



Cold Stores



Airports



COMPREHENSIVE TRAINING & ASSISTANCE -
NEW TECHNOLOGY, OLD HANDS!

The quality of our system is only as good as its design, installation and operation. With this in mind, REHAU has established a network of REHAU Authorised Installers (RAIN) across the Australia and New Zealand region. Each RAIN member has been intensively trained by REHAU and has access to the complete REHAU design and project service.

100% assurance:
REHAU authorised
installer network



PROJECT DESIGN SUPPORT

Whether your project is a family home or a 40-storey high rise development, REHAU is your design partner. Our central design office and experienced engineers can provide advice regarding energy sources, hydraulic consideration, pipe layout, floor structure and much more.

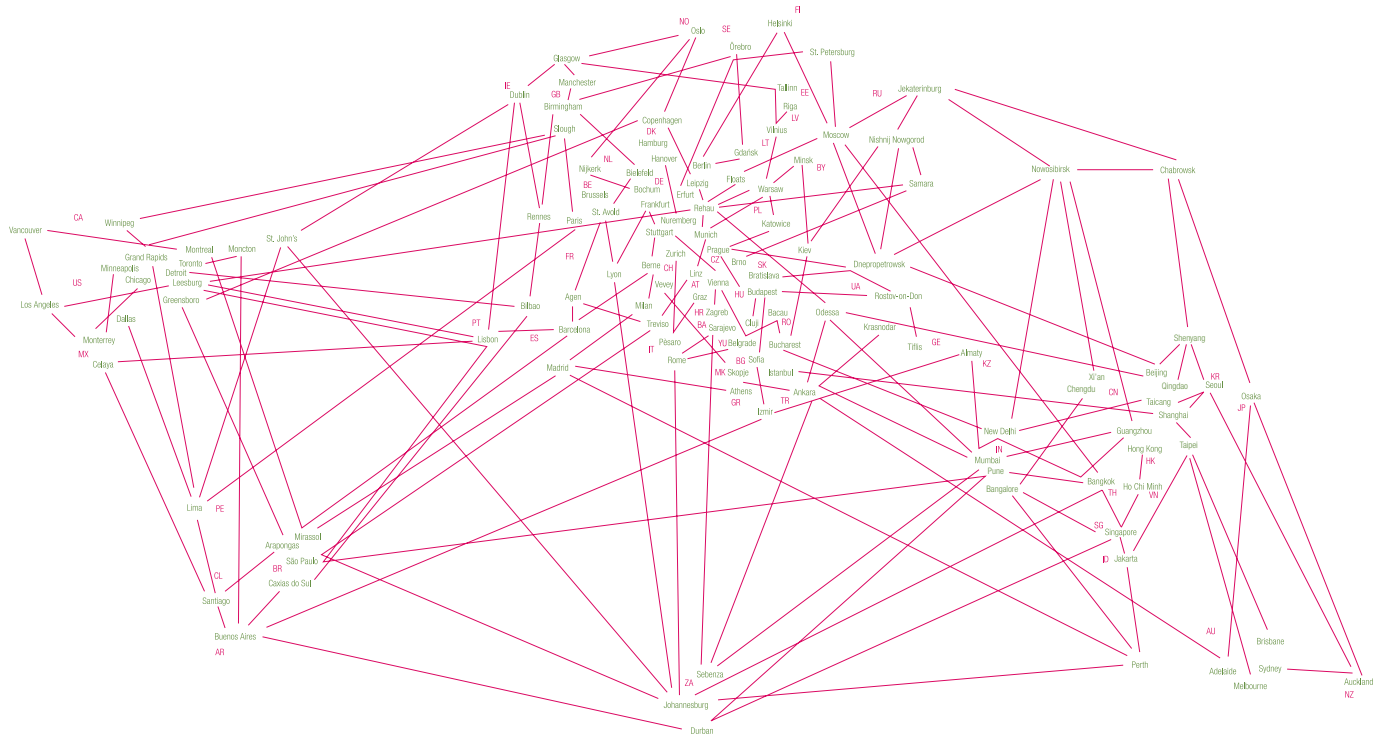
Submit your project details (description or CAD drawing) to our central design office. We can provide a detailed design to take your project from concept to installation and commissioning.

Email: designassist.anz@rehau.com



YOUR PERFECT LONG-TERM PARTNER

We offer you the strength of a world-leading brand of polymer-based solutions. One that is backed by **outstanding innovations, the most modern manufacturing technologies and flexible logistics**. You'll find in REHAU a future-oriented and reliable partner with a width and depth of expertise second to none.



Our verbal and written advice relating to technical applications is based on experience and is to the best of our knowledge correct but is given without obligation.

The use of REHAU products in conditions that are beyond our control or for applications other than those specified releases us from any obligation in regard to claims made in respect of the products.

We recommend that the suitability of any REHAU product for the intended application should be checked. Utilization and processing of our products are beyond our control and are therefore exclusively your responsibility. In the event that a liability is nevertheless considered, any compensation will be limited to the value of the goods supplied by us and used by you.

Our warranty assumes consistent quality of our products in accordance with our specification and in accordance with our general conditions of sale.

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