SOLARENA
ENGINEERING

Underfloor Space Heating System



SAVE YOUR ENERGY

Underfloor
Space Heating System

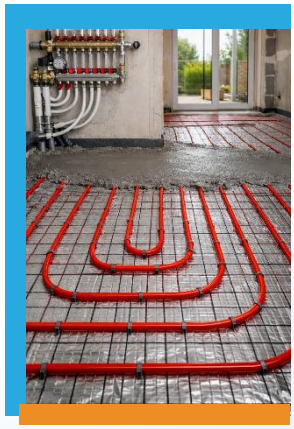
Overview

An Underfloor Heating System provides comfortable, evenly distributed warmth by turning the floor into a large radiant heating surface.
Available as water-based or electric systems, it eliminates the need for visible radiators and supports clean, flexible interior design.
Water-based systems are particularly well suited to low-temperature heat sources such as heat pumps and solar thermal systems..

Features:

- **Even heat distribution across the entire floor surface, helping reduce cold areas.**
- **Comfortable radiant warmth delivered gently from floor level.**
- **Low-temperature operation for efficient heating performance.**
- **Individual room or zone temperature control using thermostats and manifold circuits.**
- **Concealed installation with no visible radiators or heating equipment.**
- **More usable wall and floor space for flexible furniture placement and interior design.**
- **Reduced air movement compared with conventional radiator heating, helping limit the circulation of dust.**
- **Compatible with a wide range of floor finishes, subject to system design and flooring requirements.**
- **Suitable for integration with boilers, heat pumps, and other compatible heating sources.**
- **Quiet operation with heating components concealed beneath the floor.**



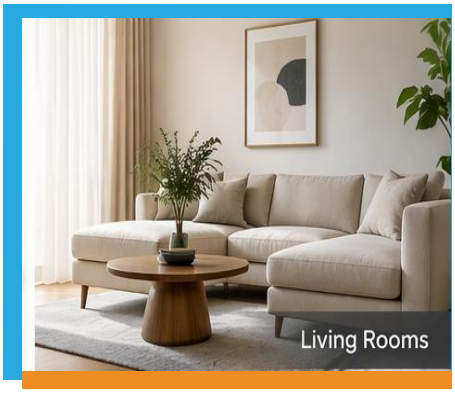


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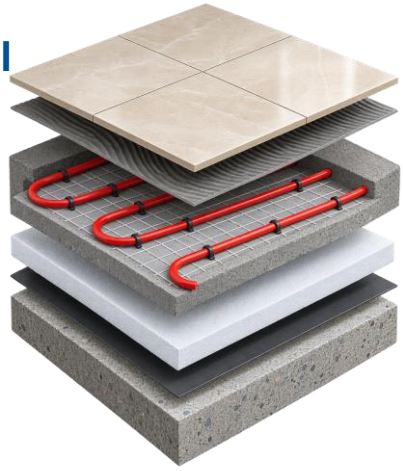
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Applications



- **Villas and private residential homes.**
- **Apartments and residential buildings.**
- **Living rooms, bedrooms, and dining areas.**
- **Bathrooms and kitchens.**
- **Hotels, resorts, and hospitality facilities.**
- **Offices and commercial spaces.**
- **New-build projects using screed-based systems.**
- **Renovation projects using low-profile, dry, or electric systems.**
- **Properties using heat pumps or solar thermal energy as part of the heating system.**



Specifications:

- **System types:** Water-based or Electric.
- **Heating method:** Radiant heat distributed through the floor.
- **Controls:** Individual room thermostats and zoning options.
- **Installation:** Screed, dry-floor, or under-floor-finish systems.
- **Heat-source compatibility:** Boilers, heat pumps, and solar thermal systems.
- **Floor compatibility:** Tile, stone, wood, laminate, vinyl, and selected carpets.
- **Design requirement:** Final output and layout are determined by the project's heat-loss calculation.

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Contact Us

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