

Lower energy costs, better returns, and maximum climate benefit

Want to talk to an expert?
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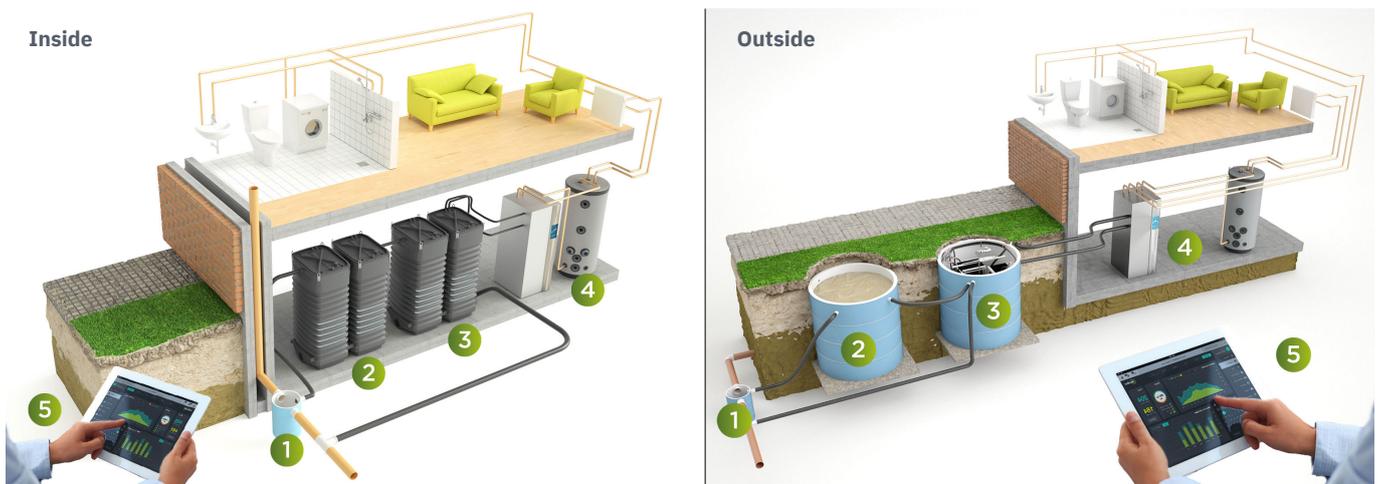
Energy-smart properties of the future will minimize the need for purchased energy. This maximizes returns for property owners and minimizes environmental impact. Evertherm's system solution recovers at least 90% of the energy supplied for heating hot water in a property.

The Evertherm system pipes hot wastewater from the wastewater system via a pump pit to accumulator tanks. Heat energy in the wastewater is extracted using a maintenance-free polymer heat exchanger especially adapted for demanding environments. When energy has been extracted, the wastewater is flushed into the wastewater system and is then the same temperature as the incoming cold water, in line with current regulations. Recovered heat energy is returned to the property by heating hot water and homes. Energy is also transferred to wastewater via external electric heating sources such as dishwashers and washing machines. This energy is returned to property energy systems to circulate between 10 to 20 times before leaving the property.

ADVANTAGES IN BRIEF

-  **Increased property value**
-  **Highly reliable, minimal maintenance**
-  **Green financing**
-  **Unrivalled recycling performance**
-  **Minimizes greenhouse gas emissions**
-  **Guaranteed energy savings minimize risk**

SYSTEM OVERVIEW



- 1 Pump pit**
Chewer pump distributes wastewater to buffer tanks. Ensures wastewater function via overflow.
- 2 Buffer tank**
Equalizes flow variations. Optimizes energy utilization.

- 3 Collector tank**
Contains energy collectors that supply energy to heat pumps.
- 4 Heat pump and accumulator tanks**
Adapted and optimized for individual properties for best energy performance.

- 5 Control and optimization**
Measure, control, and regulate temperatures, levels, and flows to optimize energy recovery from wastewater.

Four steps to an energy-smart property

We help you the whole way to a profitable solution – from dimensioning to operation and maintenance.

1 Dimensioning

When a customer plans a construction project, we have a dialogue about dimensioning an Evertherm system. The customer provides us with a number of basic parameters, on which we provide feedback with suggestions for a solution.

2 Project planning

In the next step, a projector draws up the Evertherm system in plans/sketches. Evertherm assists with expertise that enables the right decisions in terms of placement, earthworks, etc.

3 Installation

Evertherm installs its system solutions through its own installation work and partner suppliers. We co-ordinate installation work with customer contractors to ensure efficient installation with existing systems. We work with local partners and subcontractors to maximize efficiency and local presence.

4 Operation and maintenance

Evertherm's system solutions offer a high level of operational reliability with minimal maintenance. Evertherm conducts annual inspections and maintenance if appropriate service agreements are in place. We are also on hand to provide advice to customers.

PROJECT PLANNING

Evertherm offers system solution design for new-build properties and repair, renovation, and maintenance projects, (the ROT scheme in Sweden), to improve energy efficiency. Project planning includes parts required for piping, electricity, and control systems for Evertherm's products and integration with existing energy systems in properties, such as geothermal and district heating.

SERVICE AGREEMENTS AND GUARANTEES

Evertherm offers performance guarantees and service agreements in conjunction with the installation of its system solutions. Service agreements include annual reviews, operational monitoring, and troubleshooting. Performance guarantees refer to actual heat recovery achieved in relation to planned heat recovery, in which the customer is responsible for parameters provided in connection with the dimensioning of an installation.

BUSINESS WITH EVERTHERM

Terms and conditions

AB04 or ABT06

Product guarantee

Two-year product, five-year labour

Total ownership

Property owners/turnkey contractors; Evertherm responsible for handover to those responsible for heating

Installation

Evertherm + sub-suppliers

Service agreement

Optional

Performance guarantee

Included in service agreements

Financing

Optional, assumes operational guarantee

REFERENCE PROJECT: SKANSKA

"Evertherm is an extremely interesting product in terms of energy performance and future energy requirements. The system's effectiveness and energy efficiency ensure excellent energy performance is achieved with low primary energy use."

Mats Andersson, Business Developer, Skanska Sweden

93%

heat recovery



SMART CONTROL VIA THE CLOUD

Evertherm's system solutions incorporate an integrated automation system that guarantees safe operation and maximizes energy recovery. Maximizing reliability, the system enables real-time monitoring

of pumps and other critical equipment. Data is provided on fluid levels, temperatures, and operating times, and can be reviewed over time. Pumps in the system are especially adapted to maximize reliability.

Energy recovery is optimized by adapting operations to actual performance at specific applications. For example, heat pumps can be controlled to run on solar power when it is most advantageous to do so. Energy storage reduces power demand at peak times in heating accumulator tanks and cooling buffer tanks. Our app visualizes and documents energy and climate benefits for property owners and residents.