



Trane Building Advantage

Heat recovery solutions

Optimize your building efficiency



Free heat and reduced waste

Businesses today operate in an environment where energy costs continuously rise; at the same time productivity and environmental goals become more and more demanding. The chillers which keep your facility cool and comfortable need energy to operate. Much of this valuable energy is actually lost to the atmosphere as heat. Imagine the effect on your bottom line if you could recover part of this energy and re-use it to meet a heating requirement within your facility.



The solution

Heat recovery, part of the Trane Building Advantage offering, makes it possible to recover up to 65% of the energy you are using to operate your chiller.

With customized solutions from Trane, both your energy bills and environmental footprint will be reduced while maintaining system performance.

How it works

Air cooled chillers create a cooling effect by removing heat from your facility. During this process, the chiller rejects the heat from your building into the atmosphere, together with the heat generated by the power the system has consumed.

The Trane heat recovery solution recovers a part of this rejected energy. A heat exchanger installed in the unit collects energy created by the chiller power input. The heat recovered is then made available to use in your facility.

The solution is easy to implement. It has been designed for retrofit on existing Trane chiller systems, without compromising their performance or reliability.

A tailored solution for rapid return on investment



Who can benefit most

Heat recovery is ideally suited to applications where simultaneous cooling and heating are required such as hospitals, hotels and commercial buildings.

Recovered heat energy is used to heat air for space heating or defrosting or to preheat water in boilers.

Return on investment

Trane Heat Recovery Solution includes a full return on investment calculation. We will run load simulations taking into account the specific requirements of your building including:

- The types of units installed
- The building profile load
- The application
- Local climatic condition

The simulations will calculate the potential savings that can be generated and set them against the installed cost of the solution. Energy saving in kilowatt hours will also be modeled to enable calculation of your potential reduction in carbon emissions.

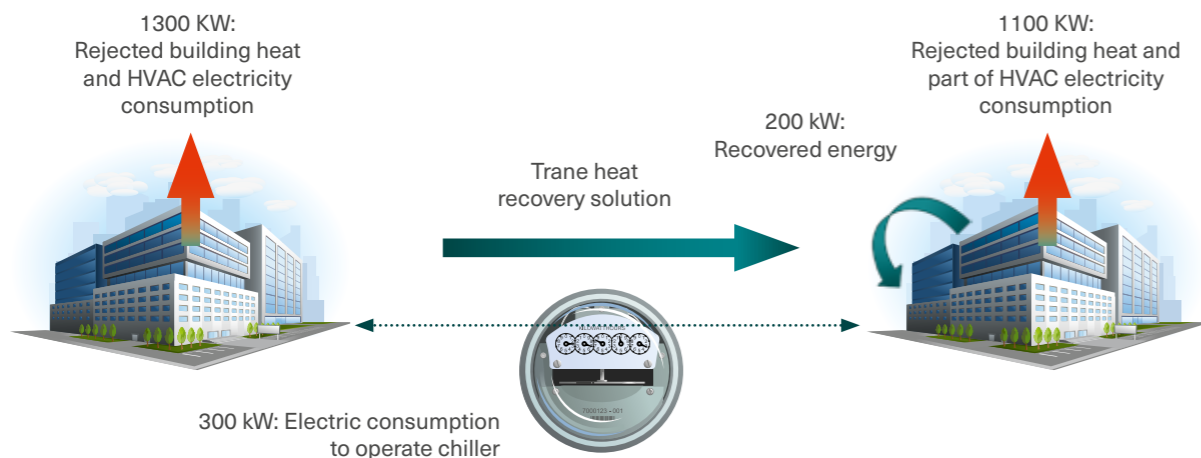
Local regulatory authorities in many countries offer financial incentives to installations with heat recovery systems. In these cases, the return on investment may be even more attractive.

Next steps

To discover how your facility can benefit from this simple, efficient and cost-effective solution, contact your nearest Trane sales office today.



How it works





Trane Services

The real expertise of a manufacturer



- Systems approach
- Dependable installations
- Energy saving solutions
- Operating cost optimization
- Chiller plant management solutions
- Chilled water production solutions.

At Trane, we are committed to providing a comprehensive portfolio of HVAC solutions throughout your system lifecycle.



Breakdown resolution

No one plans for breakdowns, but when they happen you need the right partner. Our expert Service Engineers use the latest diagnostic tools to guide you through your options to Repair, Renew, Replace or ReThink.



Secure operations

At every point during the lifetime of your equipment - installation, commissioning, maintenance or breakdown - Trane can offer an effective solution with commissioning, first-aid kits and service agreements.



System upgrade

Trane Building Advantage

Trane is committed to bringing the latest technological advantages to our customers through a wide portfolio of solutions which increase the Efficiency, Reliability and Sustainability of their HVAC plants. Our Service Engineers use their expertise together with the latest diagnostic tools to future-proof your system and make it "better than before".



Equipment rental

For special events, exceptional needs or when you want to ReThink HVAC management, Trane Rental Services have the right solution. With our extensive fleet of equipment, we can perfectly match your temporary heating and cooling requirements.



Contact us

With over 1000 of the best trained sales engineers and service technicians in the industry, Trane is in the best position to serve your needs. Just call us and we will help you configure the Trane Free Cooling solution for your HVAC system.



Trane – by Trane Technologies (NYSE: TT), a global climate innovator – creates comfortable, energy efficient indoor environments through a broad portfolio of heating, ventilating and air conditioning systems and controls, services, parts and supply. For more information, please visit trane.eu or tranetechnologies.com.