



**CONSTI**

**CONSTI OPTIMI<sup>®</sup>**

# CONSTI OPTIMI<sup>®</sup> MULTI-ENERGY SYSTEM

Optimised energy management for urban areas

ECO  
CONSTI

[WWW.CONSTI.FI](http://WWW.CONSTI.FI)

reliable  
partner

**RALA**  
QUALITY

**RALA**  
COMPETENCE

**RALA**  
HEALTH AND SAFETY

**RALA**  
ENVIRONMENT



# IMPROVED ENERGY MANAGEMENT FOR URBAN AREAS

## Designed for the city

Consti Optimi has been developed specifically for buildings that are built on plots that do not have room for an extensive field of geothermal heat wells. The system can be utilised in both renovation projects and new build projects.

Consti Optimi is flexible and suits a wide variety of different buildings from offices and hotels to educational facilities and multi-purpose buildings. Residential buildings can also benefit from the Optimi system.

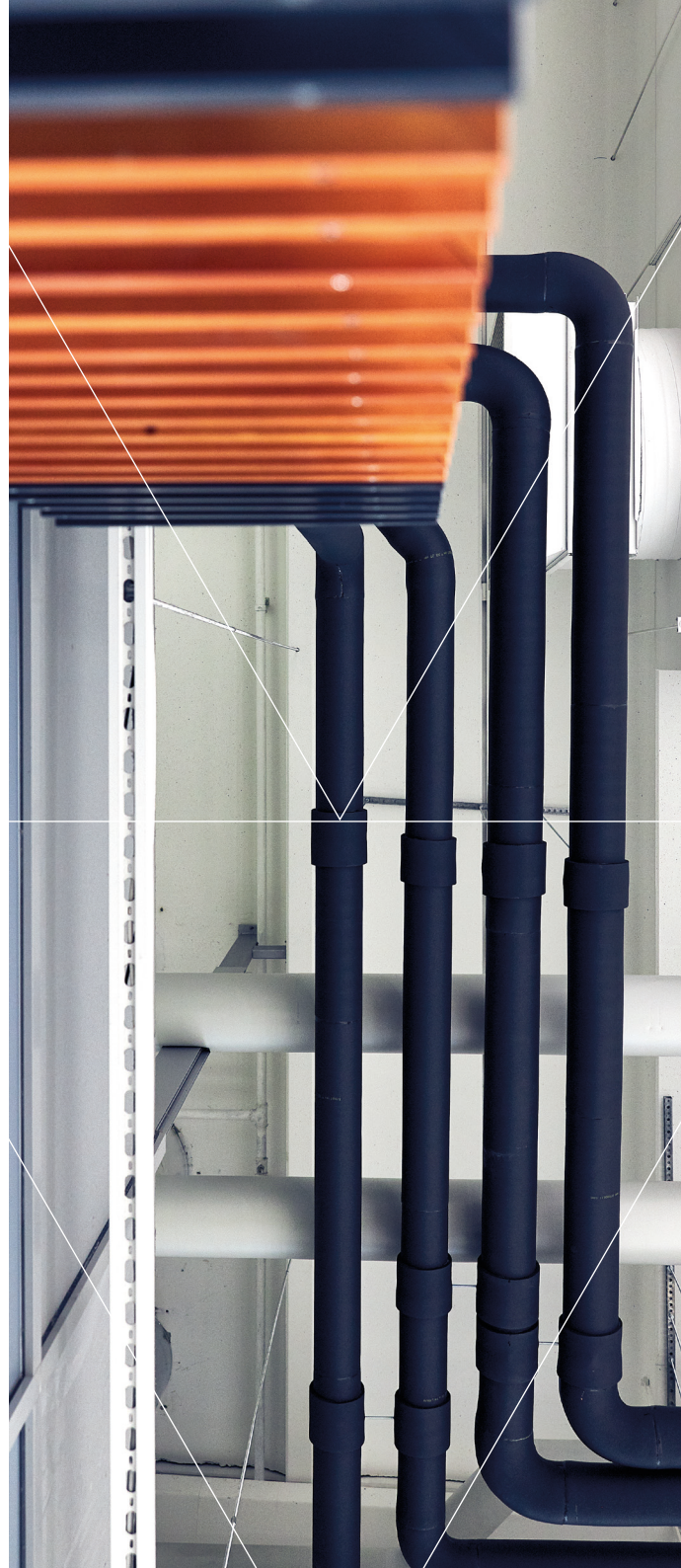
## Reduces energy consumption

Consti Optimi ensures that a building's energy consumption settles at the optimal level. The system reduces total energy consumption by up to 50 %. It also yields significant reductions in CO<sub>2</sub> emissions.

Consti Optimi makes use of several different energy sources: geothermal energy, solar heat and solar electricity as well as waste heat from inside the building. District heating, bio oil or electricity can provide additional energy when needed. When implemented in renovation projects, existing building services such as air conditioning units and the network of radiators can be left in place.

## Seasonal storage of thermal energy

During the summer season, the bedrock below or next to the building is heated effectively with heat gains. The heat stored in the rock is then used for heating during the winter.





## “UTILISE FREE ENERGIES, RECYCLE AND STORE ENERGY”

**CONSTI** OPTIMI®

### Software-based

Consti Optimi is based on software developed by Consti. It adjusts and supervises the system to ensure that the building's energy consumption remains at minimal levels.

In the beginning of the project, the building's energy consumption and savings are reliably calculated using IDA ICE simulation software.

With the simulations we can ensure that the set goals will be reached already in the drafting stage.

The productised Consti Optimi multi-energy system is cost-effective and reliable.

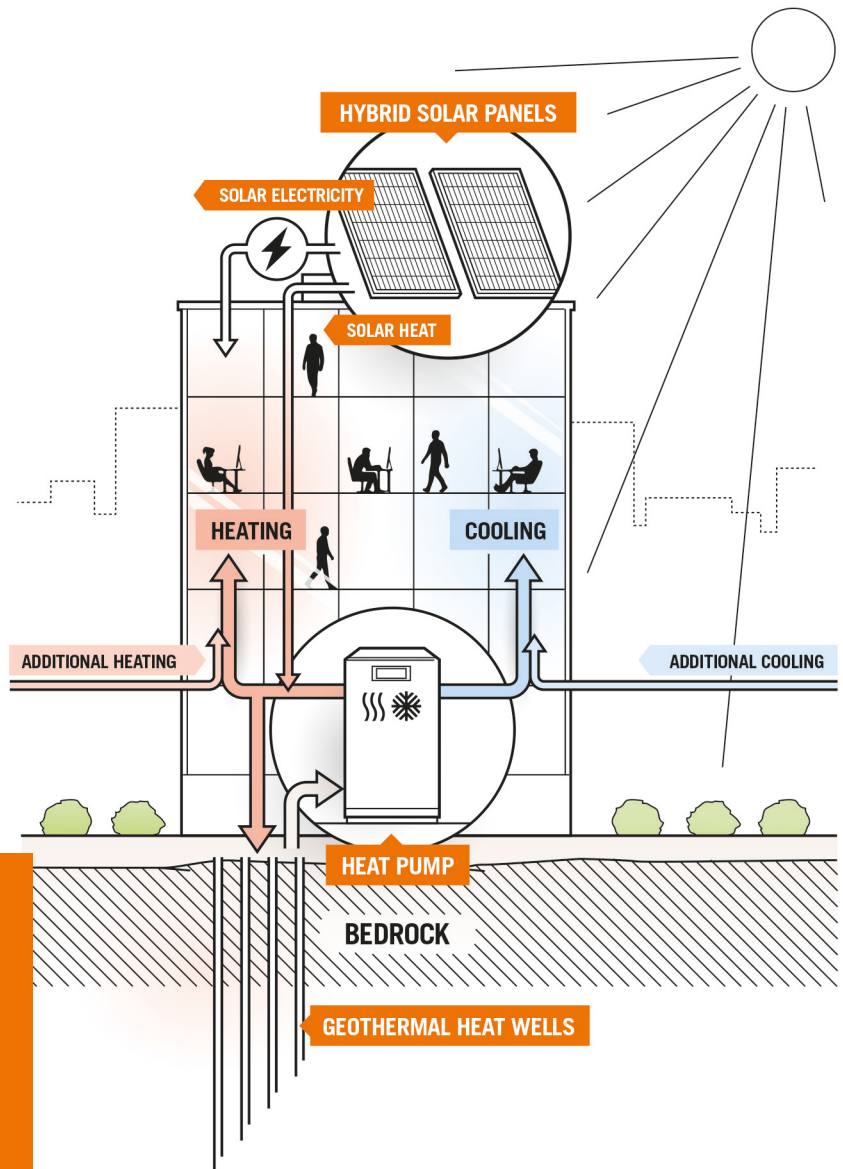
### Good indoor air quality and adaptability of spaces

The system is flexible. There are often several different use needs in a building. The indoor conditions and adaptability goals set for each space and facility can be achieved with the Consti Optimi system.

### Consti can deliver the whole package

From Consti you can get everything from design to installation and maintenance. Contact our sales team, and together we can come up with the best possible solution for your property!

You will find the contact information on the back page of this brochure.



## THE CUSTOMER'S NUMBER ONE PARTNER AND VERSATILE EXPERT OF CONSTRUCTION

Helsinki

**Marko Rouvinen**  
+358 40 822 4411  
marko.rouvinen@consti.fi

**Atte Rosenberg**  
+358 50 408 9873  
atte.rosenberg@consti.fi

Tampere

**Jarmo Liimatainen**  
+358 40 042 6095  
jarmo.liimatainen@consti.fi

You may also send inquiries to the  
following email addresses:

ecoconsti@consti.fi  
asiakaspalvelu@consti.fi

WWW.CONSTI.FI

# CONSTI



## Consti Optimi® is part of the Eco Consti service family

Consti is constantly developing services that facilitate progress towards a carbon-neutral society and meet the current needs of properties.

In addition to Consti Optimi, the Eco Consti service family contains the installation of charging stations for electric vehicles and many other Consti energy solutions.

reliable  
partner

RALA  
QUALITY

RALA  
COMPETENCE

RALA  
HEALTH AND SAFETY

RALA  
ENVIRONMENT

