



URBAN DE-ICING SYSTEM

- Safe Urban Environment
- Protection of Pedestrians and Vehicles from Ice and Icicles
- Low Operating Costs
- Smart City Solution

De-icing System Ice Watch Protects Streets and Urban Spaces with Busy Pedestrian Traffic from Ice and Icicles



De-icing system allows to:

- protect people and vehicles from falling ice
- extend service life of roofs and gutters
- reduce roof maintenance costs
- prevent damage to building facades

Unique state-of-the-art heating element for roofs and gutters results in:

- increased energy efficiency up to 30%
- enhanced mechanical protection, tamper-resistant design
- extended service life

At the heart of the system is a special heating element installed in the drainage system. In winter, it provides unobstructed removal of melt water from the roof.

The heating element's design allows to control heat generation depending on the ambient conditions and temperature. This prevents the heater from overheating, ensuring high safety and reliability of the system.

Special metal protective overjacket provides enhanced mechanical protection and extended service life.

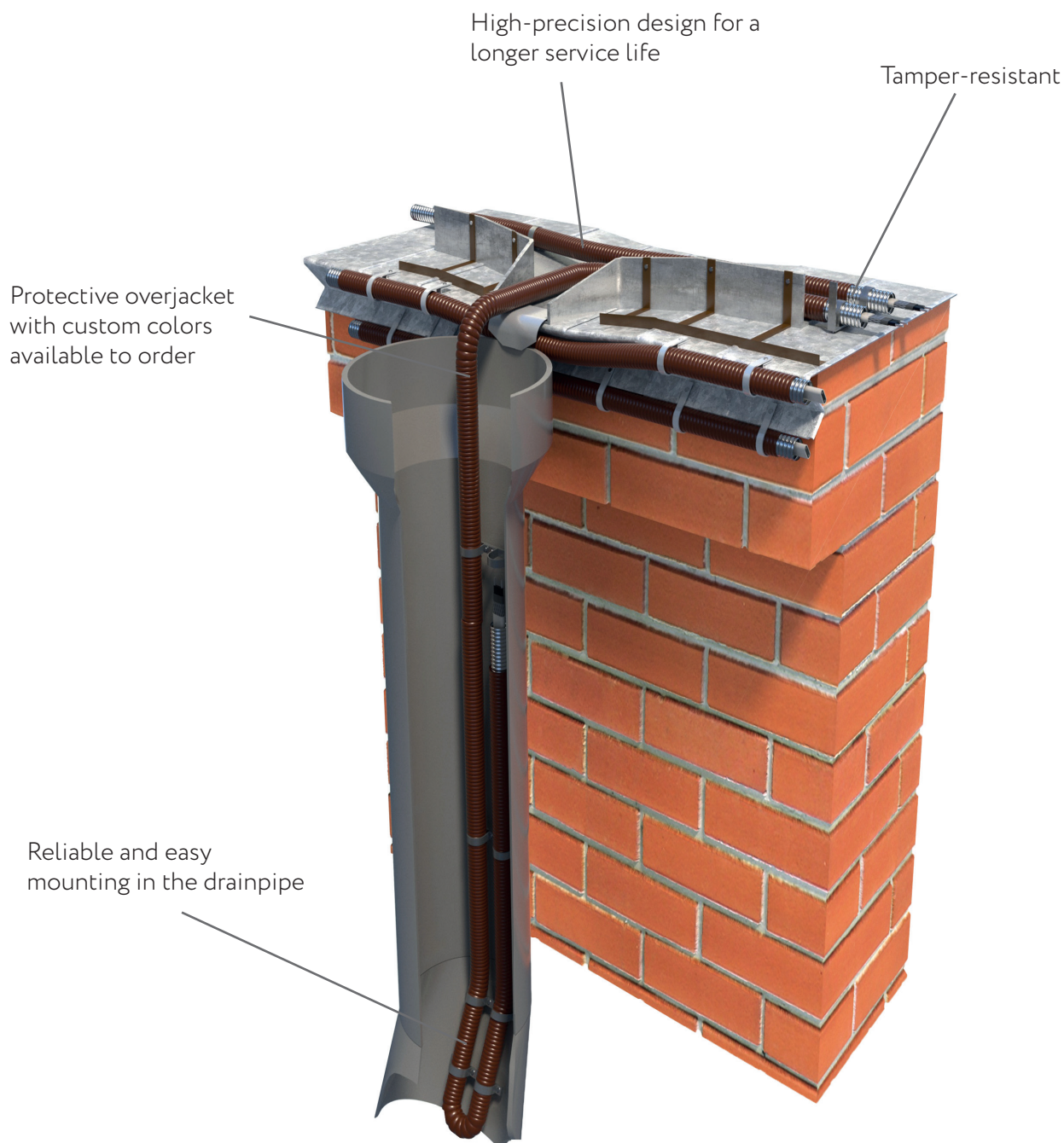
Compared to conventional heating cables, the new generation heating element Ice Watch developed by SST Group has an increased heat transfer area, leading to more efficient heat transfer into the environment, resulting in up to 30% lower energy costs.

The heating element is resistant to:

-  precipitation
-  solar radiation
-  temperature fluctuations from -40 °C to +90 °C
-  Tamper-resistant design
-  Enhanced reliability and durability
-  Compatibility with most roof types and coatings
-  30% higher heat generation

The new generation Ice Watch system is a safe and reliable solution designed according to regulatory standards.

Ice Watch can be installed in most structures and roof types, including soft and inverse roofs, and ready-built structures.



IT-Platform Ice Watch includes:

- Automatic system control
- Integration with urban platforms and services
- Multivariate monitoring of icing
- Adaptable to urban infrastructure

