

New life for Palazzo Diamanti in Ferrara

MICROFLEX flexible piping system for energy savings

Case study





AIM

Energy saving and system optimization, operating in compliance with the building characteristics.

• CUSTOMER

iMartini Srl (Magnacavallo, Mantua), an MEP engineering firm that has been working in the private and public building construction sector for three decades and currently has a workforce of 80 employees. Owners: Vittorio e Gino Martini. Head of the Technical Department: Fausto Ghirardi. Contractor: Cooperativa Edile Artigiana s.c.

• DISTRIBUTOR

Idraco, Mantua

• WHAT

Cooling and heating system renovation to guarantee efficient indoor comfort

• HOW

Microflex pre-insulated flexible piping system
**MICROFLEX UNO,
MICROFLEX UNO PRIMO**

• WHERE

Palazzo Diamanti, Ferrara

• WHEN

2021



Microflex pre-insulated flexible piping system

Watts was chosen as a reliable partner for the renovation of the magnificent **Palazzo Diamanti in Ferrara**. **iMartini Srl**, an MEP engineering firm operating in the plumbing and heating sector, used the **Microflex pre-insulated flexible piping system** to create the cooling and heating system, notably in the interior spaces in which the correct level of indoor comfort had to be guaranteed in order to protect the artistic heritage.

Palazzo Diamanti

The Palazzo Diamanti art gallery has been the property of Ferrara city council since 1832 and it is used to **host exhibitions of international renown**. Designed by court architect Biagio Rossetti and built for Sigismondo d'Este, the palazzo earned its name thanks to its distinctive diamond ashlar facing.

Installers' experience

Quick and flexible installation

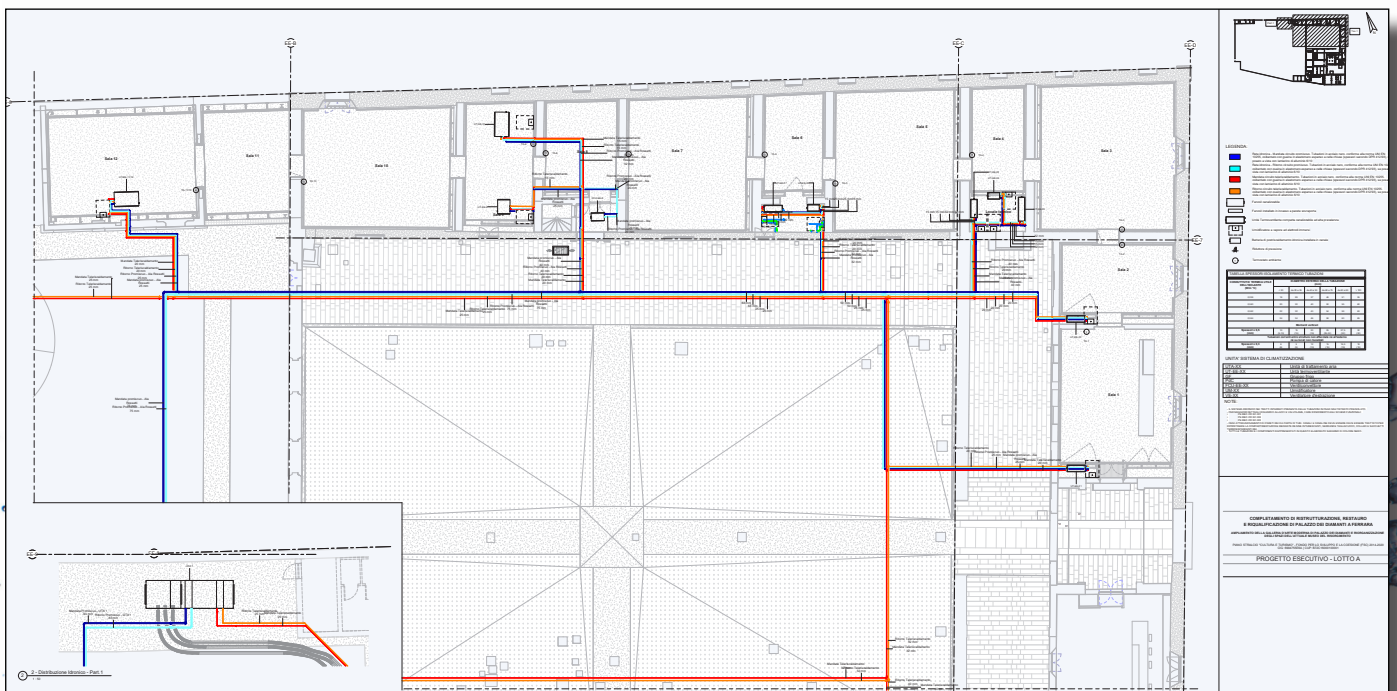
“The low weight and exceptional flexibility of the product – claims **Vittorio Martini**, owner of the MEP company – allowed us to create the system in a space that is full of extremely valuable archaeological relics without harming the precious artistic heritage. The piping is ideal for creating long underground circuits, easily negotiating obstacles and adapting perfectly to the trench excavation characteristics”.

The **system's flexibility** and the use of **approved fittings** are among the key strengths of the **Microflex** piping system, allowing the creation of large size HVAC systems with **significant energy savings**.

“We are very pleased with the results because the system is highly functional – Vittorio Martini continues – it is **easy to install** and capable of adapting to the various requirements of the project, while allowing us to build the system in a short space of time.”



Hydronic system distribution layout



Fast delivery and reliable products

The MEP engineering firm's technical department head **Fausto Ghirardi** explains: "Working in collaboration with Watts engineering department, the Gianluca Boselli sales agency, and the designer, we were able to create an innovative system that assures an optimal return on the initial investment. We were also assisted by the **Gianluca Boselli** sales agency throughout the entire installation phase and during after-sales activities."

"The **quality of the service received and the prompt delivery times** greatly facilitated our work on the project. In particular, distributor **Idraco** provided exceptional service in supplying the Watts products to a site located in the restricted traffic zone of the old town centre."

In the Microflex flexible piping system, **fluids are conveyed safely and reliably**, without thermal losses and with **excellent insulation**. This made it possible to optimise the performance of the Palazzo dei Diamanti heating and cooling system.



About us

Watts is an American multinational and one of the world's biggest manufacturers of plumbing and heating products and components. Established in 1874, the business is based in North Andover (USA) and listed on the New York Stock Exchange. It has one administrative site, two production facilities and two research centres in Italy. Thanks to its know-how, reliability, professional ethics and attention to health, safety and the environment, Watts contributes to technological research in the sector with a constant focus on energy saving, safety, and the quality of life.

For further information, visit www.watts.com

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