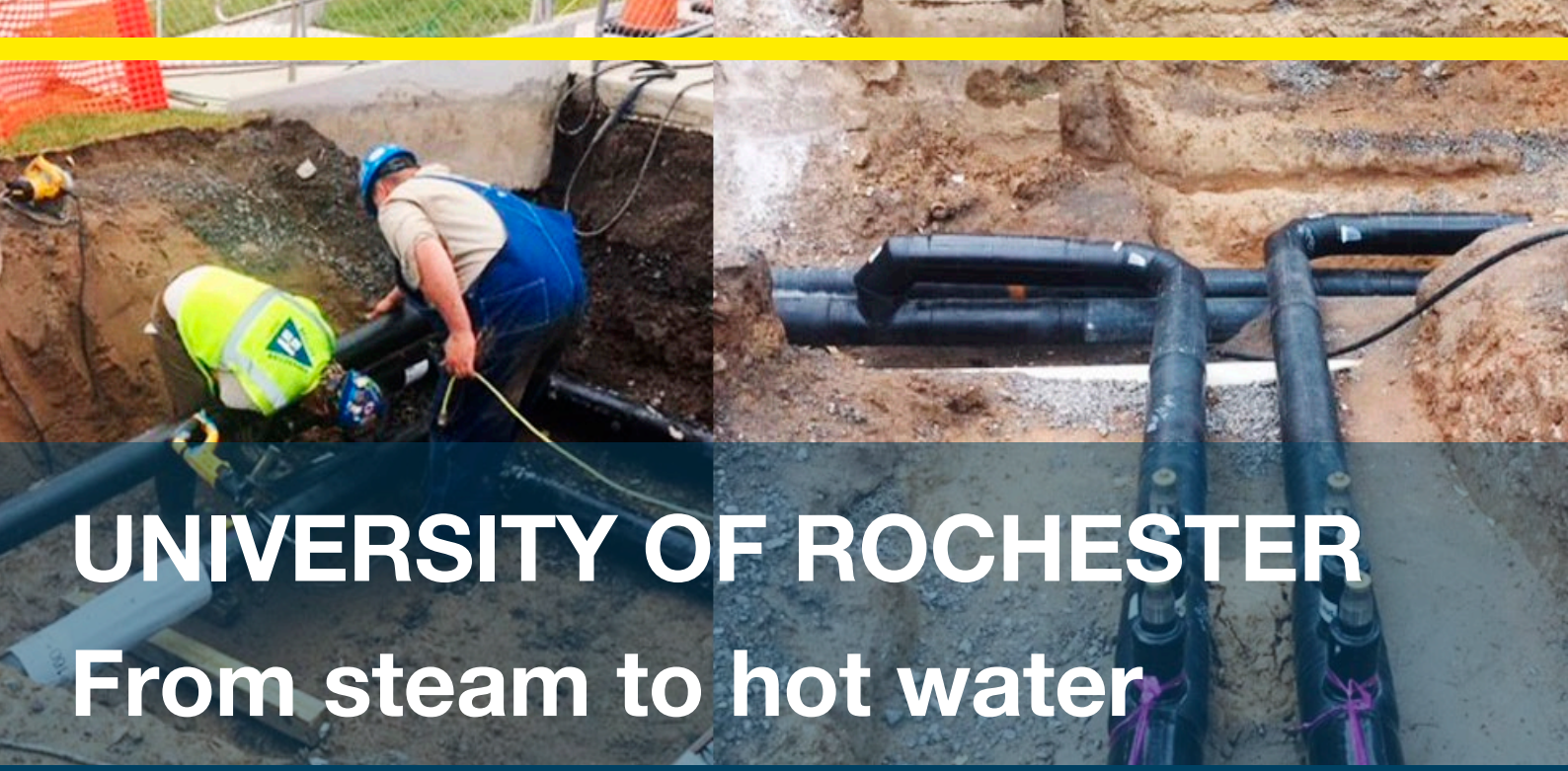

UNIVERSITY OF ROCHESTER
From steam to hot water

KEY INFORMATION

Customer
The University of Rochester,
North America, New York, Rochester

Time scale
March - August 2018

SOLUTION

LTHW and CW piping system

Length, dimensions, insulation
2 km DN200-315, DN250-400 &
DN300-450 Series 1

Leak detection system
isoalarm model 4500

SALES RESPONSIBLE

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University of Rochester converts

The University of Rochester is one of the country's top-tier research universities. The campuses are home to 200 academic majors, more than 2,000 faculty and instructional staff, and some 10,000 students which yields high requirements for the capacity and safety of the campuses' district heating system.

The University looked to replace some of the older piping lines to ensure a more efficient heating solution. The existing steam based heating pipe system was prone to maintenance issues causing high yearly costs. Conversion to a low temperature hot water LTHW system allowed better control and safe operation of the system while reducing both maintenance cost and carbon footprint. In addition chilled water loop for cooling requirements was installed to serve some of the common areas used by the faculty and the students.

Due to greater environmental awareness parts of the existing heating infrastructure were previously also converted from steam to LTHW systems.

Smooth installation even in challenging conditions

isoplus broad product portfolio provided a complete technical solution for the project. The delivery of about 2 km series 1 pipes of different dimensions included both technical support and training on site.

The installation team was familiar with EN standard products and installation of pre-insulated piping systems. That expertise combined with quick response from the isoplus technical team and customized training, made the installation work go smoothly, regardless of the site and weather conditions. Even in the summer heat where several days recorded over 30°C, the joint installation progressed as planned.