

European Award for Energy Efficiency

Prizes to Outstanding European Projects and Institutions

The City of Essen/Germany has won one of seven awards at this year's European Energy Service Award (EESA) ceremony. With an Energy Performance Contracting (EPC) Project in Essen City Hall that has undergone an extensively renovation in terms of energy efficiency, high cost savings and a reduction in CO₂ emissions have been achieved. The Berliner Energieagentur (BEA) together with the European Commission award the prizes to outstanding European projects and institutions in the field of energy services. Other winners were municipalities, institutions and companies from Croatia, Germany, Italy, Romania and Slovenia. The prizes were awarded in three different categories: Best Energy Service Project, Best European Energy Service Provider and Best European Energy Service Promoter.



Winners of European Energy Service Award

Keynote speaker for the awards ceremony was Dr. Peter Liese, Member of European Parliament and coordinator of the European People's Party in the Committee for the Environment, Public Health and Food Safety. »Today's award-winning projects demonstrate that energy efficiency measures, especially those implemented with the EPC, are beneficial not only in terms of saving costs

for companies, and thus for regional value creation, but also for the climate«, he said.

Michael Geissler, CEO of BEA stated: »The EPC is a key tool for promoting climate protection. Since 2005, the EESA has been contributing to establishing this instrument in Europe, and to promoting energy service market development.« ■

www.guarantee-project.eu

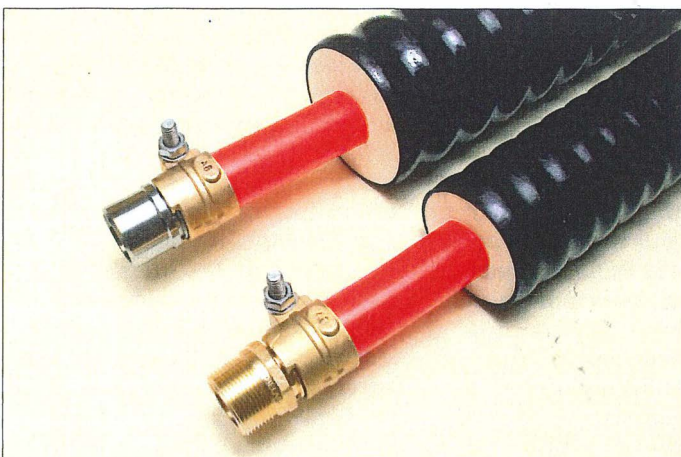
New Screw Connection Technology

Easy Installation and Greater Safety

Rugg Rohrsystem AG is using a new screw connection technology for its Calpex low temperature system to ensure additional safety in the building.

The new screw fittings absorb pull-out forces easily, increasing safety considerably.

An additional advantage is that the fittings do not have



New screw fittings for the Calpex low temperature system

to be retightened after the district heating system is commissioned, because the press-fitting clip compresses the medium pipe reliably with a positive fit. The connection is secure and the mechanical and thermal plastic deformation of the plastic pipe is entirely compensated for.

In addition to the fast installation without special tools or redundant work steps, other outstanding features of the new screw fittings are the omission of sealing rings, the highly resistant materials and the reasonable prices. They are available for all diameters of the Calpex remote heat pipe system. ■

www.pipesystems.com

Intelligent Controller for DHC Networks

A consortium including a European research centre, small and medium enterprises, industrial companies and the European District Energy Association announces the award-winning final results of the research and innovation H2020 Storm project. The Storm project has successfully developed an innovative district heating and cooling (DHC) network controller based on self-learning algorithms, which was deployed and tested in two demonstration sites: one highly innovative low temperature DHC network in the Netherlands and a more common medium-temperature district heating grid in Sweden.

During the course of four years, Energyville/Vito (Belgium), Noda (Sweden), Mijwater (Netherlands), Växjö Energi (Sweden), DHC+ Technology Platform c/o Euroheat & Power (Belgium) and Zuyd University of Applied Sciences (Netherlands) were able to control DHC networks in a first-of-its-kind and intelligent way by using self-learning algorithms. In the Storm project a generic DHC network controller was developed and demonstrated, with the ambition to increase the use of waste heat and renewable energy sources in the DHC network.

During this period the partners have developed innovative algorithms, implemented them in district heating network controllers and collected data and measurements of DHC networks to evaluate the technology's performance. Customer engagement and no thermal comfort loss in the buildings were one of the priorities of the researchers. Energyville, a Belgian cooperation with KUL, Vito, UHasselt and Imec has coordinated this project. ■

www.storm-dhc.eu