

Complete engineering service

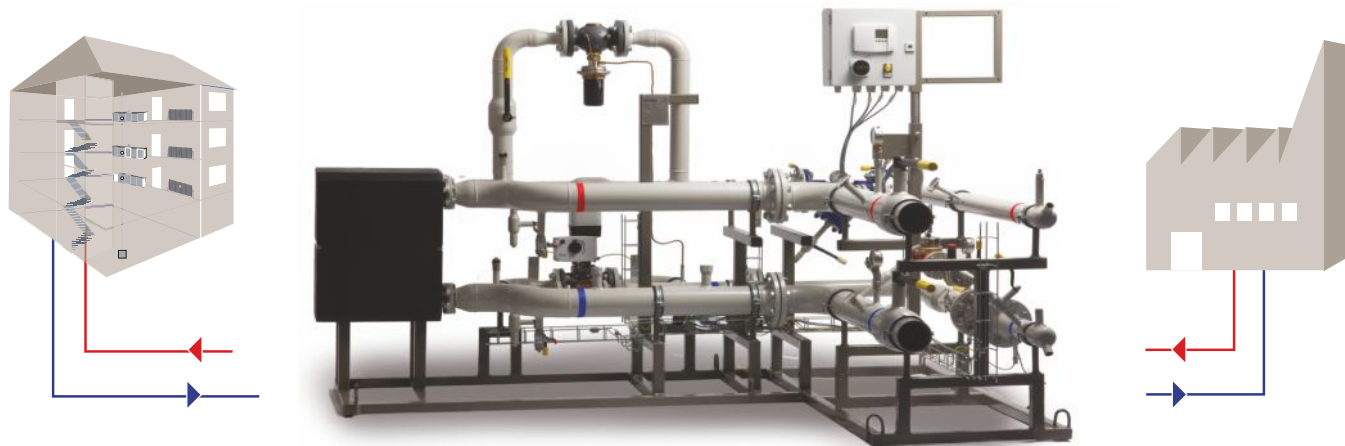
for central heating



Overall solution for investors, building contractors, technical executors, construction managers and building owners including design, installation of district heating networks and district heating substations, metering and allocation of heat energy.

Brunata

What is included in the service?



Design and coordination

Brunata OOD provides full district heating network design. We create a tailor-made project for you after preliminary survey, which should be approved and implemented.

Brunata OOD assumes the full responsibility for the coordination of the project with instances and exploitation companies. We do our best to avoid all possible obstacles for our clients which can spring up in the different stages of its realization. The investor communicates only with one provider. This saves a lot of time and financial resources.

Installation of district heating networks with pre-insulated pipes

Brunata OOD is a licensed importer for Bulgaria of pre-insulated pipes marketed under the brand Foxpipes of the Polish company ZPU Miedzyszcz Sp.Z o.o.

The pipes are with preliminary processed pipe-endings which provide easier warming-up. Polyurethane foam with main ingredient cyclopentane and heat-transfer coefficient 0.0274 W/mK is used for thermal insulation.

In addition to this a part of our distribution functions are also design, installation and guarantee service of pipelines for underground and over-ground placing of the pipes.

Construction and assembly works

Brunata OOD provides full quality control, implementation of the construction and assembly works as well as putting

into operation. Our long experience and the numerous completed projects are an evidence for the level of project realization.

District Heating Substations

We have long experience as main producer of district heating substations. The district heating substations produced by Brunata supply heating and hot utility water from the central heating system or steam boilers.

Brunata OOD has two production departments in Sofia and Stryama the capacity of which is 2000 substations per year. The district heating substations are equipped with standard elements of leading world producers which suit the requirements of EN ISO 9001:2015 standard.

The district heating substations are tested hydraulically and are subject to a full functional test of the regulatory system, electrical installation and instrumentation.



Ultrasonic heat meters

Brunata OOD is a main representative for Bulgaria of the Danish company Kamstrup. Its ultrasonic heat meters are the best available on the market. The outstanding advantages of the meters are their compact size, great accuracy, long exploitation period and minimum expenses for acquisition and maintenance.

The heat meters MULTICAL correspond to all international standards and have type approval certificate from the STATE AGENCY FOR METROLOGICAL AND TECHNICAL SURVEILLANCE (SAMTS).

Water meters

Our product range includes mainly single-jet OpTherma water meters which help us to meet the different water metering requirements.

The water meters are suitable for hot and cold utility water.

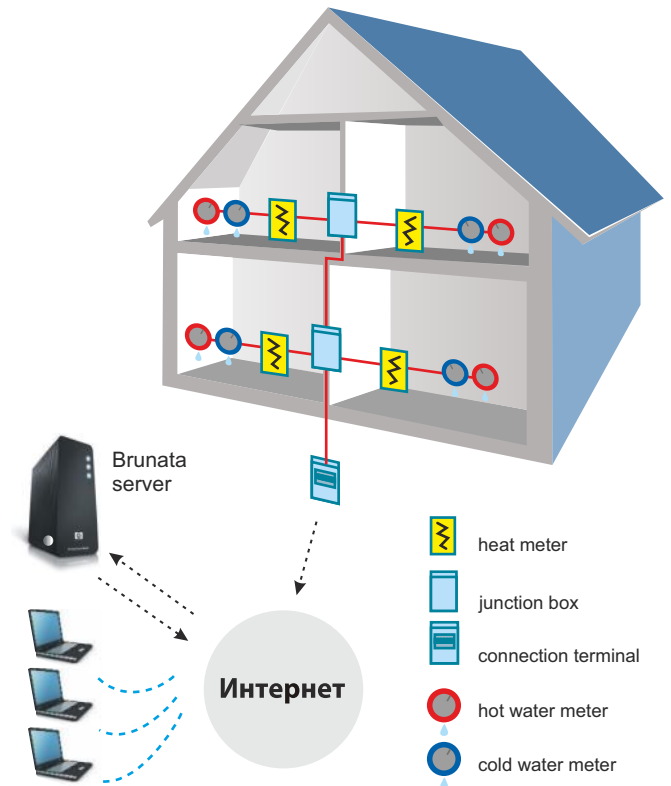


Thermostatic radiator valves

The usage of thermostatic radiator valves is one of the main ways to control your heat energy expenses. They can reduce the heat energy consumption up to 40 % due to their temperature adjustment option.

With the thermostatic valve you can set the radiator temperature and that way regulate the heating of the different rooms.

Remote reading system SiDiO



SiDiO is a system for remote reading of heat meters, energy meters and water meters connected via cable network within one building, housing or industrial estate. It is developed by our research and development specialists.

The meters in the system communicate by the M-BUS protocol. The main advantage of SiDiO is that the data from the meters can be displayed in real time in Internet. This eliminates the necessity of entering the apartment.

Heat cost allocation

Brunata OOD offers metering and allocation of heat energy and hot utility water consumption as well as remote reading.

With our service you save heat energy and time. We provide accurate measuring of the consumption with devices of high quality, flexible software and free online packet services.

Brunata provides warranty and post-warranty service.

Used equipment

Brunata OOD has long-term partnership with worldwide acknowledged producers.

Our partners are:

Siemens, Germany - products and systems for automation and thermal process management.

Danfoss, Denmark - components and thermal process management systems

GEA WTT GmbH, GEA Ecoflex GmbH, Germany- plate heat exchangers

Kamstrup, Denmark - heat and cooling meters

ZPU Miedzyrzecz, Poland - pre-insulated pipes and elements for district heating networks.

Broen Valve Group, Denmark – gas/water ball valves

Wilo GmbH, Germany- circulation and recirculation pumps

Brunata, Denmark - heat cost allocators, heat meters, thermostatic radiator valves

Certificates

Brunata OOD is a member of the Bulgarian Construction Chamber and has construction certificate for building projects part of the energy infrastructure class II and III. Brunata OOD is a member of the Chamber of The Engineers in the Investment Design.

The quality of the district heating substations and of the heat allocation accounting service is guaranteed by our quality management system. It suits the requirements of ISO 9001:2015 standard.

The company has certificate for registration in the public register of heat cost allocation companies service №P-19/14.06.2007 of the Ministry of Economy and Energy.

Brunata OOD is a member of the Bulgarian Chamber of Commerce and Industry, member of the Association of the heat cost allocation companies and member of the Chamber of Installation Specialists in Bulgaria.

Brunata OOD is the only producer of district heating substations in Bulgaria which is certified under the European directive 2014/68/EC – Pressure equipment directive (PED) for operation with pressure vessels.

Our projects



Advance Business centre
Mega mall Lulin
Lidl Borovo
Novotel Sofia
Business Park Sofia
Buildings ALBA, Diamant
Housing estate "Tsarigradski kompleks"
Housing estate "Perlite na Mladost"
Hosing estate "Lagera Tulip"
Hermes park- complex "Karfur"
Residential buildings "Simon", "Mishel" and "Jaklin"
Residential buildings "Nadezhda" and „Mladost”3
Multifunctional building "The Corner"
Multifunctional building "Sofarma Towers"
Business building "Sofia One" – "Business park 1"

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