

RECONSTRUCTION OF THE CENTRAL HEAT SUPPLY FOR THE TOWN OF HANDLOVÁ

Town of Handlová

Slovak Republic



Basic information

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| Project name: | Renewal of central heat supply Town of Handlová, Slovak Republic |
| Project location: | Replacing the former heat source with 13 boiler units with a power output ranging from 240 kW to 10 MW |
| Project description: | |
| General contractor: | ELTODO EG, Inc. – supplier of electronic parts, automation systems and control centre |
| Investor: | KMET Handlová, Inc. |
| Costs: | CZK 244 million |

Project description

Technology

Technology included construction of **4 central boiler plants** with a total power output of 31,785 kW within the former heat-exchange (calorifier) plants, to which 108 new heat-exchange stations in various, individual buildings are connected. The connections between the boiler plants and each of the heat-exchange stations use preinsulated pipes placed in the ground. An additional 10 boiler rooms are constructed in separate municipal buildings - 4 schools, municipal office, domestic services building, arena, football stadium, indoor swimming pool. These provide a total performance of 6,333 kW. To provide regulation for the heating system, a total of 13,500 thermostatic heads have been installed in the buildings to be heated.

Control centre and control system

The contract included **implementation of a control centre**, making it possible to monitor the conditions of the equipment in all of the 14 boiler plants and 108 heat-exchange stations in an automated manner. The centre also provides remote control functions and allows for the manual control of each output element of the technology (valves, pumps),

Project description

Control centre and control system

changes in the required parameters (regulatory curves, temperatures, attenuations) along with reconciliation of the log of events and operator interventions, including the error log.

Boiler plant PK5

Output: 11.1 MW

Supplies 38 heat-exchange stations



Part of the control system for the control centre



Contact

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