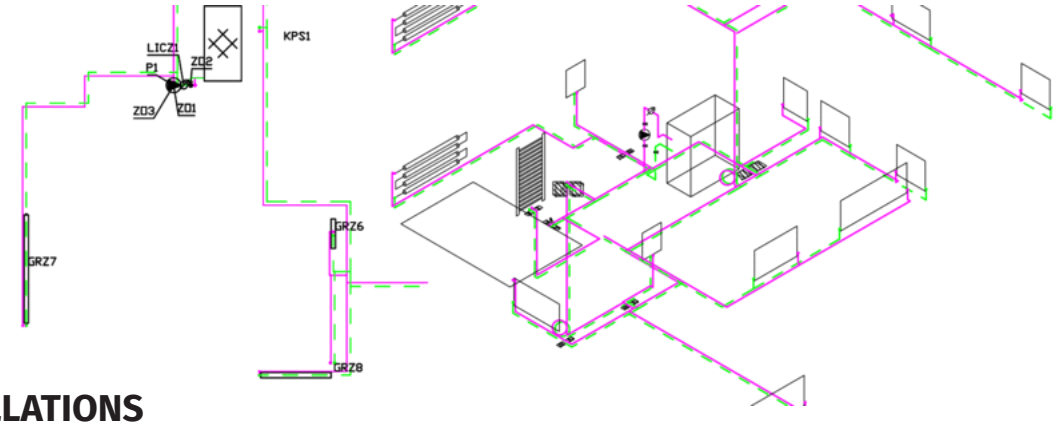
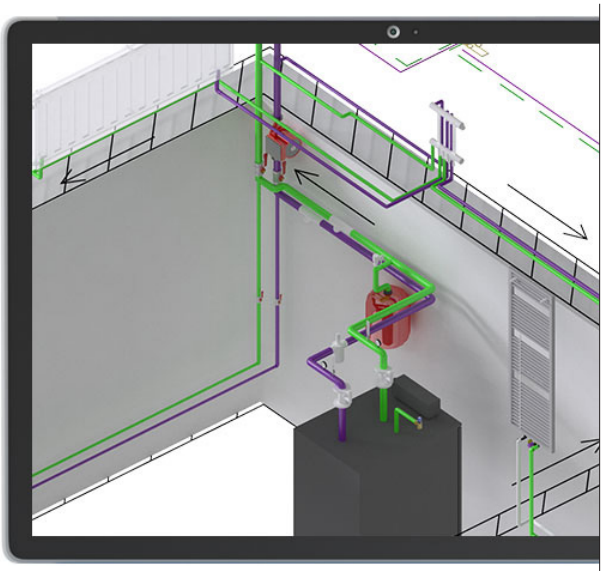


ArCADia HEATING INSTALLATIONS

Professional technical documentation of internal double-pipe heating installations.



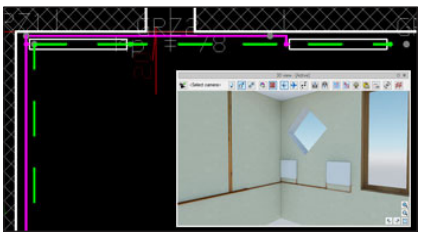
The program allows you to produce professional design documentation of a gas connection, including an external gas system. Intended for both gas network and system designers and all people associated with the plumbing and installation sectors in civil engineering. Try our object-oriented creation of drawings of gas connections and external gas system elements.

The design can be realised on spatial development plans in the form of geodesic base maps or the user's own drawings representing an existing or proposed network.

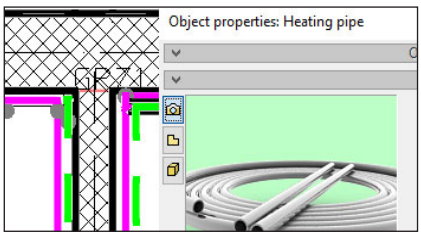
Intuitive automatic creation of design diagrams and longitudinal profiles for pipeline routes, including system elements, calculations , pressure verification.
This module expands the capabilities of the ArCADia BIM program with advanced functions, which means that part of the building modelling options are available in the ArCADia BIM program:

ArCADia LT, ArCADia, ArCADia PLUS

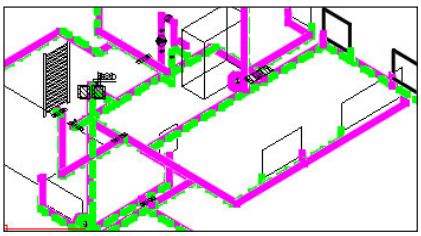
Advanced features of The ArCADia-HEATING INSTALLATIONS module:



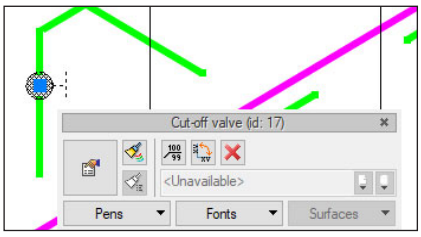
Drawing facilities that allow you to quickly and easily connect many receivers (in three ways).



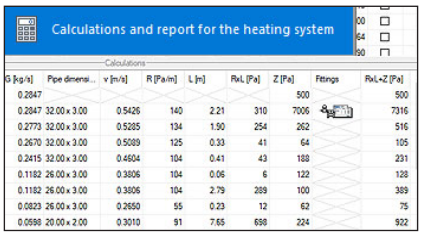
Transforming a regular CAD line installation into the pipeline structure to become objects of the ArCADia system.



Generation of three types of axonometric views (including partial) and the possibility of graphically editing them.



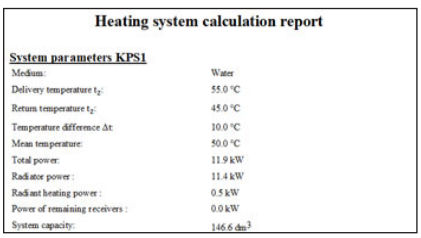
Possibility to insert the stop valves directly to the axonometric drawing with automatic inclusion in the view and in lists.



Calculation of the gravitational active pressure, linear and local pressure losses for all circuits, indication of the critical circulation.

Indication of the parameter values required for the circulation pump: height volume and capacity.

Automatic selection of pipelines, insulation, thermostatic valves, cut-off valves, etc., with consideration of applicable regulations.



Heating system calculation report

System parameters KPS1

Medium:	Water
Delivery temperature t_z:	55.0 °C
Return temperature t_p:	45.0 °C
Temperature difference Δt:	10.0 °C
Mean temperature:	50.0 °C
Total power:	11.9 kW
Radiator power :	11.4 kW
Radiant heating power :	0.5 kW
Power of remaining receivers :	0.0 kW
System capacity:	146.6 dm^3

Generating calculation reports.