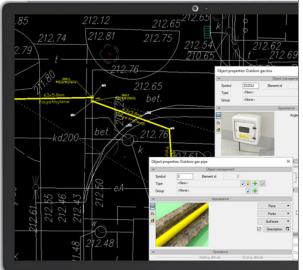


Professional documentation of a gas connection, including an external gas system.



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:

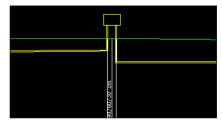
ArCADia LT, ArCADia, ArCADia PLUS



The generation of drawings of external gas system as regards pipeline routes, shut-off fittings, locations and dimensions of free-standing and wall-mounted gas boxes.

			-Path:	5		
J	Q	Path ZPP1 - ZSZG2		Total pipeli 73.30	Report	0
Section name			Pmin/max[kPa]		Qobl [m³/h]	Dimens
Q	ZS	ZG2 - ZSZG1	1.51/4.91		40.00	63.00 x
Q ZSZG1-ZPP1			1.60	/5.00	50.00	63.00 x

The determination of gas flow in sections of external gas system lines.



The creation of profiles and design diagrams.

	tem l Calcu	list lations and	report ▼ ?	Help
		Calculations	and report	Calculations and report
0	Q	Installati ZPP1	Location Outer terrain	Description The installation design is correct

The calculation of pressure drops in external gas system lines.

The verification of a designed gas system for correctness.



The possibility of the quick and simple addition of databases to the main program library and the selection of folders to be used in a given system design.

		Pre	ssure los	ss repo	rt		
Fual gas param Family: M Group: H							
Gas combustion							
Gas fuel value:	Hi =	31 MJ/m ³					
Gas density:		Pg=0.721	cg/m ³				
Kinematic visco	sity: $\gamma = 1$	43e-05 m ^{2/s}					
Connection gas	pressare:	low Pm	in = 1.6 kPa				
			Pmax = 51	kPa			
Installation inp	ut gas pres	sure: Pp	min = 1.6 kPa				
			Pp max =	5 kPa			
Section name	Min'max input	Computati onal flow	Pipe	Flow	Connectio	Unit	Total

The generation of design reports, ready-made bills of materials and hydraulic calculations.

This module expands the capab advanced functions, which mea

Advanced features of The ArCADia-EXTERNAL GAS INSTALLATIONS module:

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