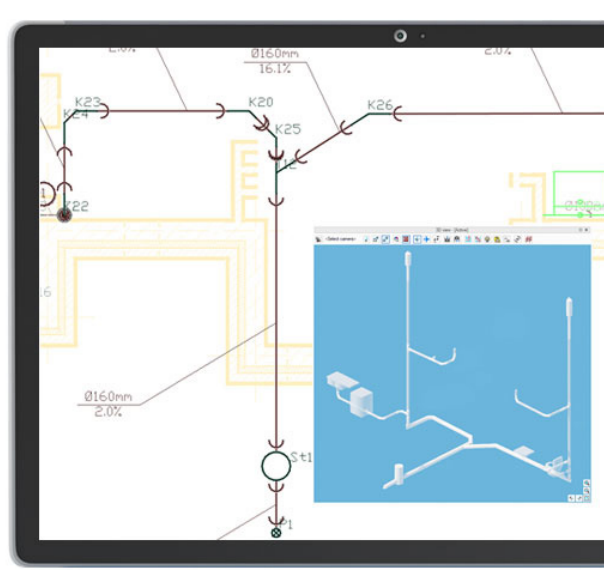# ArCADia SEWAGE INSTALLATIONS

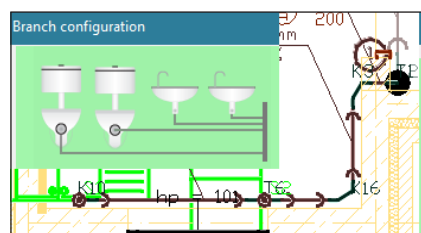## Documentation of drainage systems on architectural background drawings.

Module is intended for designers of internal sanitary installations and allows for creating the professional documentation of internal water supply installations.

Easily and quickly create drawings using automatic connections of draw-off taps with the installation. Create calculations , generate axonometric views, check correctness in terms of hydraulics and automatic selection of elements from the library.

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:
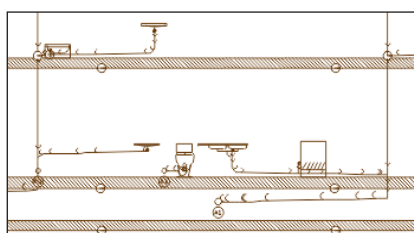
ArCADia LT, ArCADia, ArCADia PLUS

Advanced features of The ArCADia-SEWAGE INSTALLATIONS module:

Drawing facilities allowing for a quick and easy way to create the connections of a number of outflows at the same time, depending on the connection method and the intended use of the fixture.
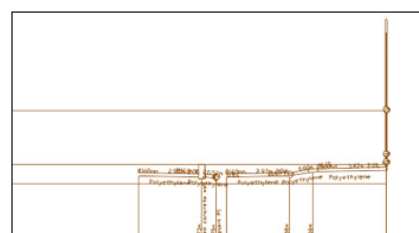
Selection of pipe diameters of branches from fixtures to risers from manufacturers' catalogues.

Automatic generation of developments: drain pipes, risers, approaches with accessories including fittings and sewage system devices.

Possibility to edit and change objects from the development drawing.

Editing the length of channel routes in the development drawing.

Automatic generation of outlet pipe and riser profiles, including collisions with installations from other ArCADia system modules, including objects and connection fittings.

Report on determination of horizontal horizontal outlet pip

Sewage line "P1-S6"						
Material / Nominal section diameter DN [mm]	Design section length L [m]	Sum of unit outflows ΣDU [dm^3/s]	Slope [%]	Design flow rate Q_s [dm^3/s]	Roughness factor n	Flow intensity for full filling Q_n [dm^3/s]
yethylene / 110	1.27	5.30	2.3	1.15	0.0130	8.15
yethylene / 110	7.10	5.30	1.9	1.15	0.0130	7.45
yethylene	4.30	4.80	2.0	1.10	0.0130	7.58

Calculation of section flows, fillings and speeds. Settings of diameters of drainage sections, risers, downpipes and slopes.

Generating calculation reports.