URBANO

Urbano software connects CAD design, hydraulic modelling, and GIS/ BIM data exchange into one workflow. It is the all-in-one solution to meet growing demands for the design of water, sewage and drainage networks.

Design, calculate and analyse without leaving the CAD environment. Use advanced tools for plan and profile design, determine trench and excavation report, perform hydraulic calculations, analyse clash & clearance, and export the model to .ifc and Autodesk Civil 3D.

Key advantages:

- design, editing and automation tools for plan / profile / cross section
- hydraulic calculation with integrated EPANET / EPA SWMM modules
- graphical and numerical data analysis
- user customization for profiles, labels and the pipe catalogue
- no project size or complexity limits

	Urbano software versions				
FUNCTION	CANALIS	HYDRA	CANALIS PRO	HYDRA PRO	ULTIMATE
Digital terrain models	+	+	+	+	+
Design in plan and profile	+	+	+	+	+
Hydraulic calculations (sewage)	+		+		+
Hydraulic calculations (water)		+		+	+
Cross sections and trenches	+	+	+	+	+
Analysis tools and reports	+	+	+	+	+
Import from AutoCAD Civil 3D, .shp, .dwg and Google Maps			+	+	+
Export to AutoCAD Civil 3D, .shp, .ifc, .nwc			+	+	+
Advanced trenches			+	+	+
Parcel editing and analysis					+
Gas pipelines design					+

Urbano works with AutoCAD / Civil 3D 2021 - 2026

Start a free 30-days test run free of charge

- Up to 5 test licenses of Urbano Ultimate
- Full technical support from our support team
- Free learning materials

Request your free trial now!

Save on design time, collaborate in BIM workflows and improve design results.

URBANO

Urbano Canalis offers advanced tools for the design of storm and sanitary sewage networks.

Special features for storm and sanitary sewage design

- sewage model support for gravitational and pressurized pipe networks and open channels
- catchment area design and editing
- flow calculation and scenario analysis
- network equipment input according to EPA SWMM
- hydraulic calculation based on the rational method
- hydraulic calculation with the included EPA SWMM engine
- export SWMM .inp
- design and editing of prefabricated manholes
- design of house connections and storm drains
- design of manhole schemas

Urbano Hydra software offers advanced tools for the design of water distribution networks.

Special features for water networks design

- water distribution network model according to EPANET requirements
- water demands input and scenario analysis
- network equipment input according to EPANET
- hydraulic calculation with the included EPANET engine
- time simulation (time patterns, controls and rules)
- pipe diameter optimization
- import/export EPANET .inp
- design of house connections
- design of valves and hydrants
- design and creation of node schemas

Common features for all Urbano software versions

- plan and profile design and editing tools
- manual and automatic plan labeling tools
- manual and automatic pipe invert design tools
- profile preparation for plotting
- cross section and trench design, excavation report
- automatic 3D clash and clearance analysis
- data analysis with tables, graphs, labels, styles and queries
- automatic model refresh across plan / profiles / cross sections
- configuration editing and sharing for profiles, labels, styles, tables and catalogs
- all design and calculation data stored in the .dwg file