

DDS-CAD Sanitary & Heating

Includes all features from DDS-CAD Building

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Intelligent BIM/CAD core (for details see functional overview DDS-CAD Building)	●	●
Intelligent building model (for details see functional overview DDS-CAD Building)	●	●

Discipline specific features

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Integrated design of plumbing, heating, cooling, gas, fire hydrant and sprinkler systems	●	●
Intelligent pipe network design with automatic object connection	●	●
Flexible representations of the pipe network: single line, double line with insulation, flood fill and 3D	●	●
Extensive and flexible design of systems e.g. for complete technical rooms	●	●
Associative and freely configurable labeling of objects and pipe segments	●	●
Automated model quality checks, cross-discipline collision detection and real-time clash prevention	●	●
Flexible creation of line and system diagrams with symbols according to EN 12792	●	●

Integrated calculations

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U-value and heat load calculation according to EN 12831	●	●
Automatic recognition of positions for transmission related components, within and across storeys	●	●
Intelligent radiator design and automatic room placement	●	●
Flexible planning and calculation of underfloor heating system fields according to EN 1264	●	●
Pressure loss calculation and automatic dimensioning for heating and cooling systems according to EN 12828	●	●
Calculation of hydraulic valve adjustments and valve settings	●	●
Calculation of potable water systems, including circulation pipes and temperature drop		●
Fully automatic updating of pipe systems with associative labeling of calculations results		●
Calculate centralized and decentralized hot water systems, as well as a combination with multiple boilers		●
Automatic calculation of temperature drop, waiting time and max. velocity for potable water systems		●

Add-on module for DDS-CAD Sanitary & Heating

SH-RBS	Pipe network calculation for waste water systems according to EN 12056
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