

DDS-CAD Sanitary & Heating

Includes all features from DDS-CAD Building

02 10

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

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Integrated design of sanitary, heating, cooling, gas, fire hydrant and sprinkler systems	●	●
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Intelligent pipe network design with automatic object connection	●	●
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Flexible representations of the pipe network: single line, double line with insulation, flood fill and 3D	●	●
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Intelligent storey logic for pipe network connections via ceiling and floor	●	●
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Associative and freely configurable labeling of objects and pipe segments	●	●
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Automated model quality checks, cross-discipline collision detection and real-time clash prevention	●	●
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Flexible creation of line and system diagrams with symbols according to EN 12792	●	●
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Integrated calculations

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U-value and heat load calculation according to EN 12831	●	●
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Intelligent radiator design and automatic room placement according to EN 442	●	●
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Flexible planning and calculation of underfloor heating system fields according to EN 1264	●	●
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Pressure loss calculation, automatic dimensioning and hydraulic balancing of heating and cooling systems	●	●
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Automatic update of associative labeling on pipe systems after calculation	●	●
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Pressure loss calculation, automatic dimensioning and hydraulic balancing of potable water systems		●
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Calculation of centralized and decentralized hot water systems, as well as a combination with multiple boilers		●
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Calculation of temperature drop in circulation and of stagnant water and waiting time in hot water pipes		●
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Add-on module for DDS-CAD Sanitary & Heating

SH-RBS	Waste water system calculation according to EN 12056
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