

PI Integrated Systems

FlexPLANT IDS-PIPE™

Supported Autodesk Products: AutoCAD, AutoCAD Electrical, AutoCAD Mechanical, Autodesk Architectural Desktop, Autodesk Building Systems, Autodesk Buzzsaw, Autodesk Civil 3D, Autodesk Civil Design, Autodesk DWF Composer, Autodesk DWF Viewer, Autodesk DWF Writer, Autodesk Field Survey, Autodesk Land Desktop, Autodesk Map 3D, Autodesk Raster Design, Autodesk Utility Design, Autodesk Vault, Autodesk VIZ, Volo View

Compatible / Supported Operating Systems: Microsoft® Windows® XP (Professional, Home Edition, or Tablet PC Edition with SP1 or SP2), Windows 2000 Professional, Windows NT 4.0

Supported Languages: English

IDS-PIPE™ is a complete module for the creation of intelligent process plant layouts and orthographic piping designs (see IDS-3DDesigner™ for creating 3D models). In-situ intelligence resides in attributed data nodes for equipment, for pipes, valves & fittings (PVF), and for steel members. This data is used for draw-time checking against spec, rating & size, for FlexSNAP™ insertion & routing modes, and for automatic dimensioning, notation & reporting.

IDS-PIPE especially benefits fast-track projects with its 24-hour, self-learning curve; ease-of-use & intuitiveness; quick-start implementation requiring low or no IT resource; and profit-enhancing & project-friendly pricing. While standalone licenses are hardware-based, workgroup licenses are most often software-managed with the Network Licensing Option (NLO) supporting license check-in/check-out, redundant server, and WAN 24/7 implementations. FlexPLANT's high-productivity per desktop hour combined with NLO's higher utilization of licenses translates into on-time and under-budget projects.

Plant layout functionality includes placements of common equipment types & accessories, as well as structures & pipe racks. Piping design functionality includes parametric routines & catalogs for inserting standard ASME PVF – additional routines/catalogs for API, FRP, PVC or manufacturer's standards are available or may be created. Designs may be spec-driven by standard or modified PIP specs, or by custom specs created with the companion no-charge IDS-SPEC™ Generator. Additional functionality for dimensioning, notation and custom symbology contribute further to rapid transmittals of accurate drawings for construction or fabrication.

PRICE

\$1595 + 10% annual SSA

FEATURES & BENEFITS

- ◆ **Equipment:** Towers, reactors, vertical vessels, exchangers, horizontal vessels & pumps with nozzles, bridles, skirts, saddles, platforms, ladders & handrails; equipment structures using AISC members.
- ◆ **Pipe/Fittings:** Buttweld, flanged, socketweld or threaded – pipe, reducers/swages, flanges/gaskets, ells/bends/returns, tees & crosses; nipples, couplings/unions, plugs/caps & olets; racks using AISC.
- ◆ **Valves:** Gate, ball, globe, butterfly, check, needle, plug, and control valves of standard or specified lengths with handwheels/actuators as appropriate – may be inserted as flanged valve assemblies.
- ◆ **FlexSNAP Insertion Modes:** @-mode inserts PVF at last run/branch node; AutoATTACH-mode for PVF-to-PVF make-up; AutoPIPE-mode inserts intervening pipe; and AutoELBOW/AutoRUN insert PVF by routing line.
- ◆ **Steel:** AISC W- & S-shape, as well as channel, angle and tee members; also base-ells, trunions, dummy legs and anchors/shoes. Equipment & pipe racks may be designed with AISC steel libraries.
- ◆ **Intelligence:** Extractable & reportable, in-situ data for tagged equipment, PVF & steel members includes type, spec/rating, size(s), cen-to-end length(s), and end nodes or other loci – may be XML'd.
- ◆ **Annotation:** Robust base-elev, cut-length, string & center-line dimensioning; line numbers, flow arrows, section call-outs, revision clouds/triangles & tie-in symbols; accommodates custom symbology.
- ◆ **Interoperability:** Use as stand-alone 2D app, jump-start from IDS-FLOW P&ID, or complete orthos from IDS-3DD's reFlexORTHO; FlexML™ exposes in-situ data to other design, analysis, or enterprise apps.

SUPPORT & TRAINING

Self-help/ambient support via website & self-train with companion Tutorial. Software Support Agreement (SSA) required for phone support/customization and extended courseware.

Autodesk®

Authorized Unique Application Reseller

Autodesk®

Authorized Developer

CONTACT INFORMATION



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