

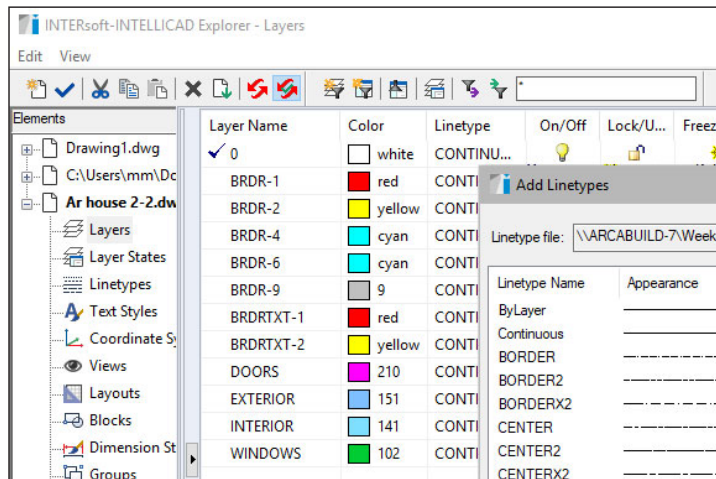
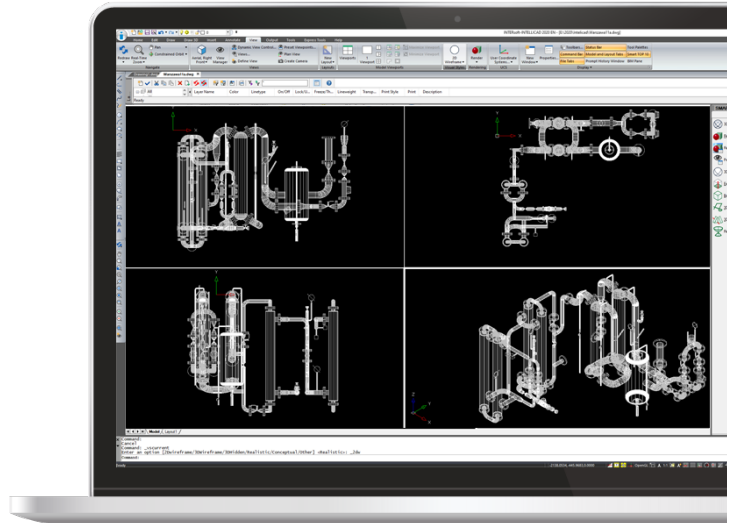
INTERsoft-INTELLICAD

Breakthrough version of the CAD software for creating 2D/3D technical documentation in the .DWG format.

Powerful tool for precise drawing. The new graphics interface ensures intuitive work and does not interfere in the CAD designer's habits.

What's new in INTERsoft-INTELLICAD 2021 ?

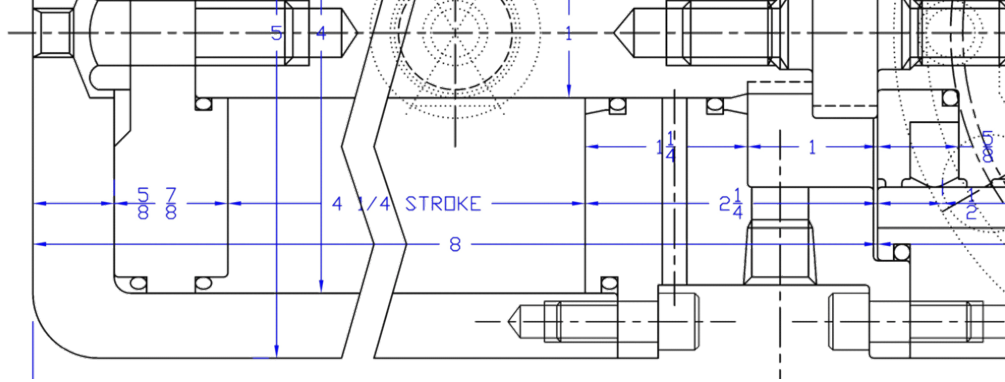
- New version of dynamic coordinate input and a setup window for dynamic input.
- Contextual help when hovering the mouse over a tool.
- Viewport scale list and viewport synchronization.
- Editing tool palettes, creating block palettes and a new block editor.
- Dedicated virtual printer for pdf files.
- Recurring selection and deleting duplicates (overkill).
- New grips for some entities and group editing with grips.
- New visual styles.
- Import and export of files in the .stl format.
- Import of files in the .obj format.
- Modified view manager.
- Ability to clear text formatting.
- Setting the drawing background.
- Export a sheet from paper space to model space.
- Insertion of roofs and AEC beams.
- Migrate the interface settings file.
- Import and export of system variable settings from the System Variable Manager level.
- ODA SDK version 2020 Update 2.



Drawing features:

- Basic tools for creating 2D and 3D drawings.
- Possibility to fully modify and edit the properties of all drawn elements.
- Dimensioning and text styles with the ability to import.
- Entering and defining symbol libraries, blocks, simple and complex texts (SHX and TrueType fonts). Additional multiline text editor.
- New functions of the word editor: columns, scaling, entering text along the arc and borders, text fitting, rotation, auto numbering, etc.
- Exploding attributes to text and exploding texts.
- Dimensioning assigned to the element: linear and angular, the ability to define your own styles.
- Automatic field and distance measurement, setting coordinates
- Combined command: Move / Copy / Rotate / Scale.

- New options for construction lines.
- Handles, attributes, hatches.
- A wide range of hatch patterns. New hatch definition and gradient fill window.
- A multiline drawing option.
- Enhanced block, reference and dimension support capabilities: block conversion to reference, copying embedded objects (blocks, references and underlays), block/reference property list.
- Relative paths support for raster images and external links.
- Options: Select similar (with adding to the selection and by the settings window), Multiadogy, Multiline editor, Dashed line.
- Displaying properties of the many selected elements in the form of a tree.
- Possibility to add point cloud in RCP / RCS format.
- New types of 3D objects (primitives) - Facet Modeler (ODA surface modeler), along with basic editing functions - intended for use in 3D, when the mass of the element is not significant.
- Possibility of photorealistic visualization and rendering.
- Drawing in hidden line mode and shading in real time.
- Inserting and editing AEC architectural elements: walls, windows, openings, doors, ceilings and flat roofs.
- Creating a project package and use of the eTransmit saving tool.
- Saving and displaying mechanical elements (Teigha Mechanical API).
- Displaying ADT and Civil 3D objects.
- Possibility to open ACIS solids (without the option to create and fully edit).
- Reading and saving drawings in AutoCAD format from 2.5 to 2018 (DWG, DXF).
- Working in DWG 2018 native format.
- Possibility to work on several computers (under one license), using a simple transfer of the license file.
- A smart list of the most often used commands (Smart TOP 10) that are automatically memorized when working on a project, creating a personalized tool palette.
- Using DWT templates.

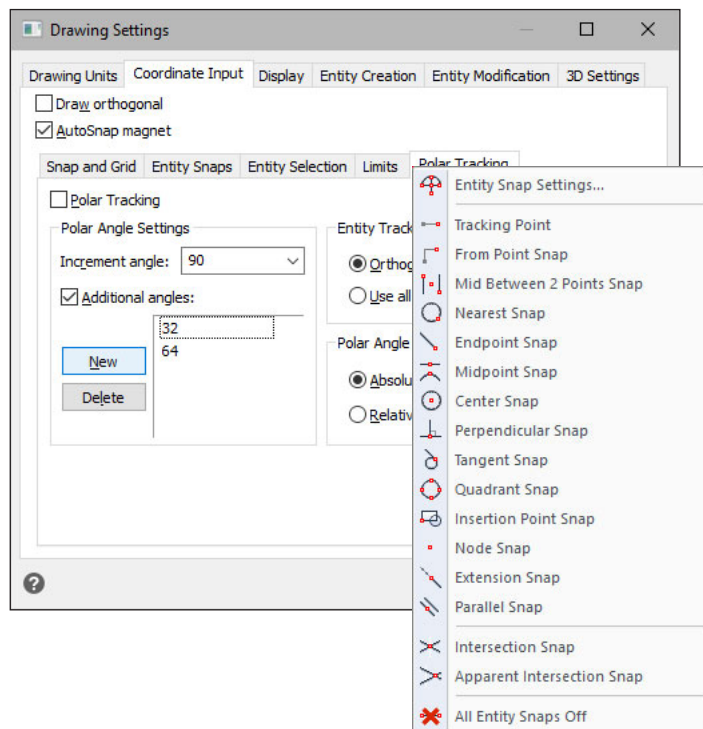


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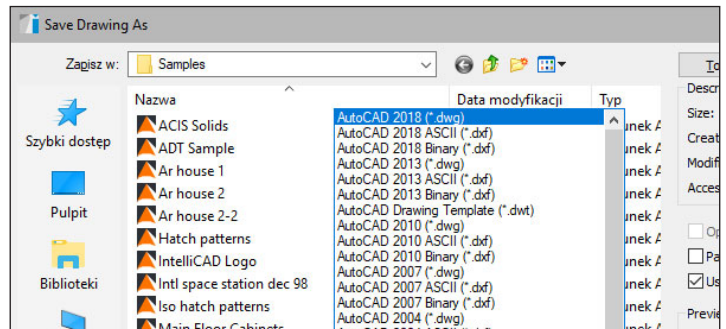
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- The function of fixing and checking damaged files.
- The program window is divided into tabs in which the drawings are successively displayed.
- Command line and input
- Added new version of ODA Teigha 4.3.15
- Working on layers.
- Project management explorer.
- Working in cartesian and polar coordinates.
- Dockable tool palettes.
- Dedicated toolbar of Express tools.
- Possibility to create a non-rectangular viewport in the paper space.
- Implemented interpreter of the Lisp programming language.
- Possibility to load SDS and IRX overlays.



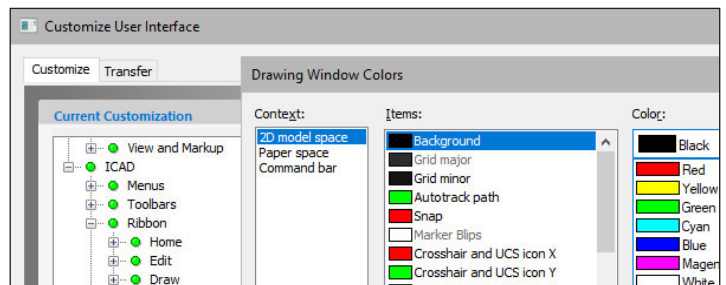
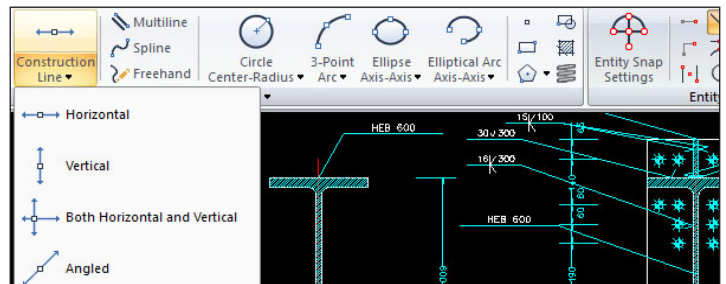
IMPORT/EXPORT

- Importing and editing raster images (e.g. geodesic underlay), including files such as : JPG, TIF, BMP, GIF, PNG
- Import and export PDF file.
- Cooperating with BIM applications by loading spatial 3D models from Revit in RVT and RFA format as underlays in CAD projects (64-bit version only).
- Cooperation with BIM applications by loading spatial 3D models in the IFC format as underlays in CAD projects (64-bit version only).
- Support of DWF, DGN and DAE formats.
- Export of STL files.
- Possibility of adding point cloud in RCP/RCS format.
- Creating a project package and use of the eTransmit saving tool.



Precision drawing tools:

- Auxiliary grid, orthogonal drawing functions, polar tracking.
- Extended recognition of snap points (ESNAP), e.g. for lines - center, end points and intersections of lines.
- Setting the snapping of characteristic points to underlays.
- Possibility to use a set of commands for construction lines.
- Expanded visualization - zoom, regeneration and panning of the drawing, dynamic rotation of 3D objects and a new function of camera settings in the view.



Full program personalization:

- Modification of the top menu, ribbons (panels and tabs), toolbars, command status bar and keyboard shortcuts.
- New ways of using the program interface, its settings and exporting the set profile.
- Configuration of the working screen: background colour, handles, cross hair size, cursor, etc.