

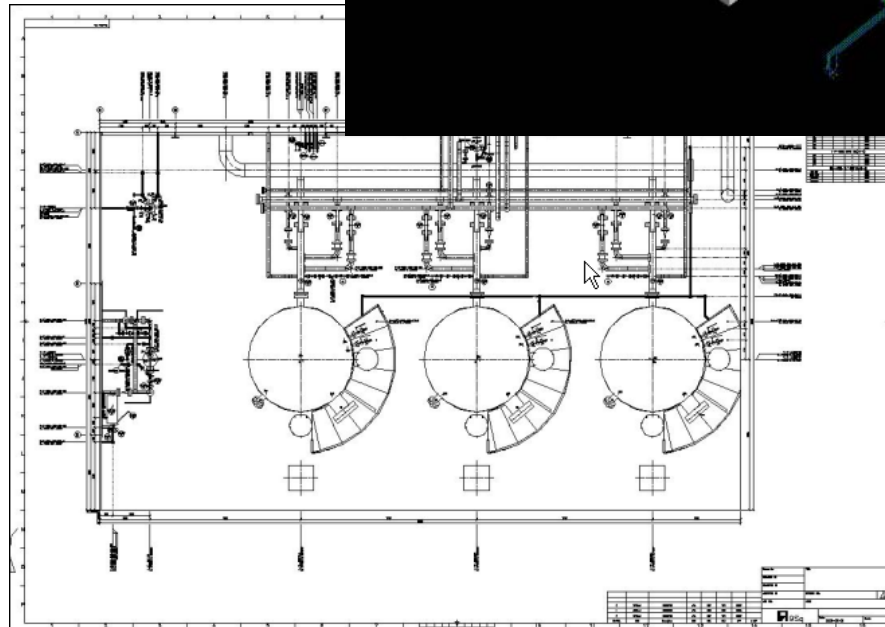
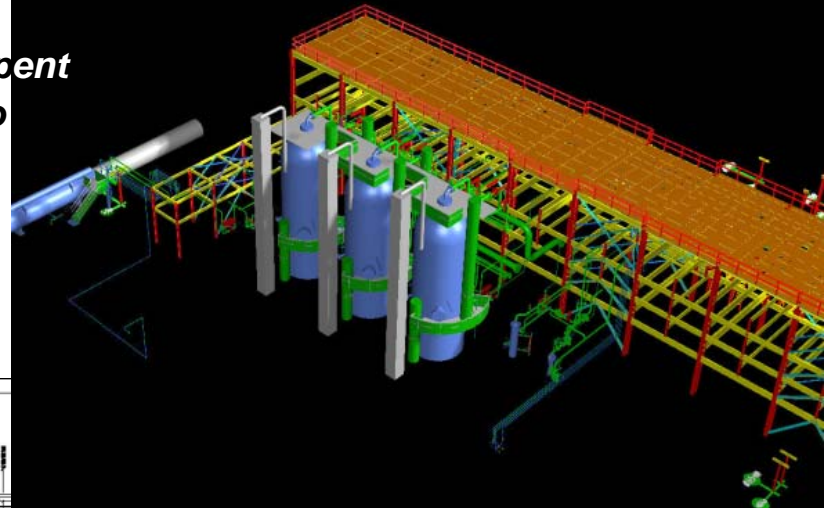
PlantWAVE

PDS

Powerful Automatic Piping GA Drawing Solution for INTERGRAPH PDS®

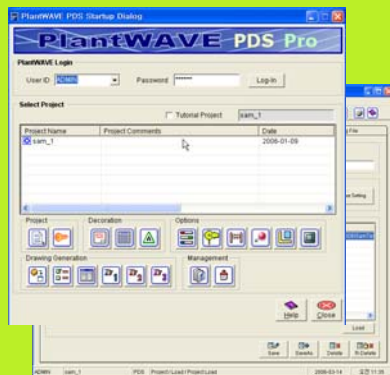
PlantWAVE eliminates much of the time spent creating drawings and frees engineers too focus on the design job using PDS

Industry standard orthographic drawing generation in minutes.



PlantWAVE for PDS Series.

- PlantWAVE for PDS
 - For the professional user
- NetPlantWAVE for PDS
 - For multiple concurrent users

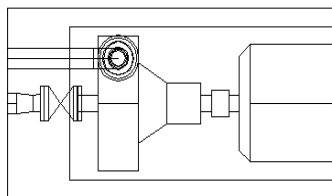


- Supports multiple project configurations
- Generates dimensioned & annotated 2D drawings in AutoCAD model space
 - Single/double line display for pipes with 2D Symbols (elbow, tee, weld mark etc.)
 - Hidden Surface Removal
- Batch processing for multiple drawings

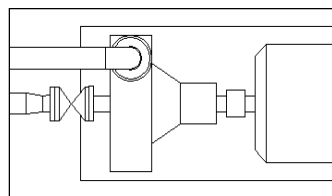


PlantWAVE Features

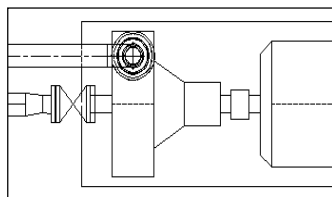
- Management by "PROJECT" for working environments
 - All the option values are saved to a "project" setting file and reloaded to keep the same drawing conditions.
- Very fast generation of drawings (in minutes per drawing)
- Various Managing, drawing and runtime options
- 2D Hidden Object generation in AutoCAD by PlantWAVE's HSR (Hidden Surface Removal) processor.
 - Single/double/mixed line display by pipe size
 - Applying component symbol such as elbow, tee with opening and weld mark, section mark etc.



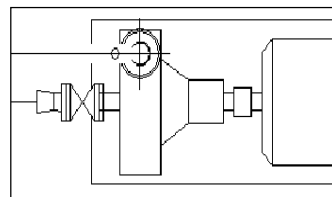
(a) Hidden On



(b) Hidden Off



(c) Hidden On with dotted centerline



(d) Hidden Off with Symbol mark

- Enhanced & sophisticated FSS (Free Space Search & Update) processor to find the best location for placing annotations in the drawing.
- Easy to use
 - An intuitive UI in which all the job can be done in PlantWAVE without switching to PDS commands
- Batch execution according to stages
 - Drawing only, Annotation or Both
- View creation in PlantWAVE
 - Supports Single, Multiple, Composite views and View-in-view
 - Interactively view arrangement of drawing in AutoCAD
- Drawing Editor
 - Drawing can be enhanced in AutoCAD
- Many other features
 - Reporter, utility (batch plot) etc.
- Movie instructions for beginners

MANAGING OPTIONS

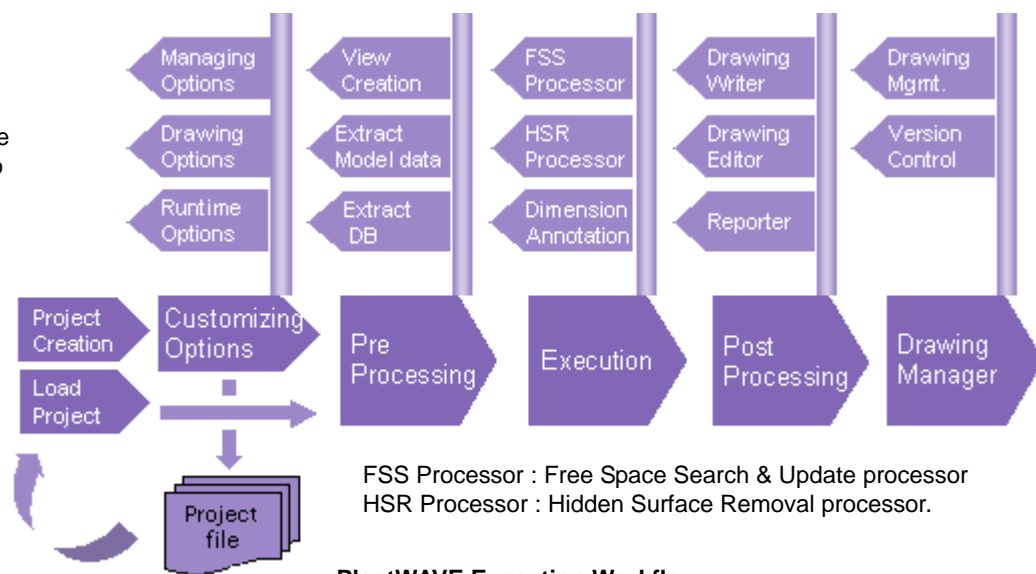
- For Project Management
- For Drawing Management (file, drawing version number)

DRAWING OPTIONS

- Layer, Dimension Option to completely work with AutoCAD
- Hidden Option
 - Pipe (single/double line display),
 - Elbow (Weld / SW & THD type), Tee
- Annotation Option
 - Inside / Outside annotation
 - Line number, instrument, support, nozzle, equipment, structure, valve.
 - Flow-mark, equipment hatching, slope mark etc.
- Distance/Area Option
 - Switching inside/outside annotation
- Others
 - Border, view data (match line, volume, coordinate)
 - Chart (revision history chart) etc.

RUNTIME OPTIONS

- Output unit (metric/inch-feet)
- Placement Priority of Inside annotations
- Free Space Searching Density
 - Sparse/Average/Dense mode
- Free Space Searching Boundary
 - Fast/Middle/Detail mode
- Output filtering (Labeling or function On/Off)



PlantWAVE Execution Workflow