



IsoOverView – enhance your ISOGEN® output from Intergraph PDS®

Introduction:

IsoOverView enhances the ISOGEN drawing output from Intergraph PDS by adding supplemental information that makes it easier to understand the piping isometric and its context within the overall engineering project.

Common issues:

Piping isometrics have been accepted as the standard method of communicating a piping configuration within an industrial processing facility and is used to communicate the design for fabrication, erection and commissioning purposes.

Piping isometrics are schematic representations of the piping system and are “stretched” or “compressed” to make best use of the drawing space available. This inadvertently can make the isometric difficult to read and this can be the cause of a number of engineering queries raised from the job site.

Traditionally, many general arrangement drawings are also produced which are to scale to help others understand the design intent more clearly. Production of these drawing can add considerable cost to the project.

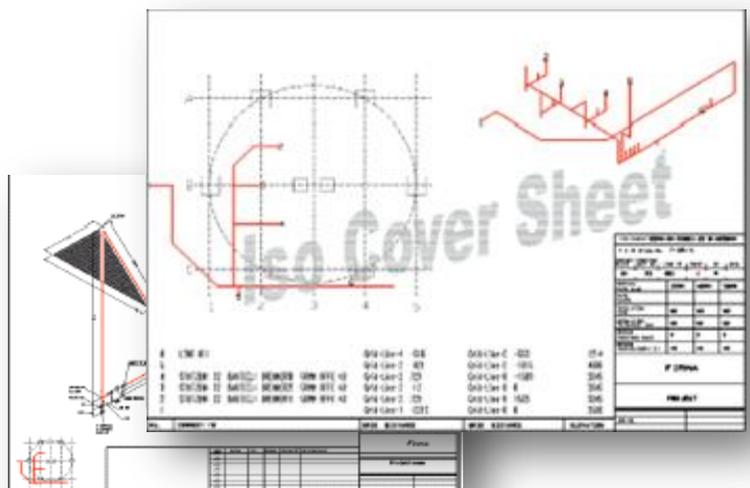
When reviewing the piping isometrics on site, it is not always easy to identify the location of the piping system against the structural grid.

Finally, there may be a requirement to add further information to the isometric that is not available within PDS itself but is available in Excel spreadsheets.

IsoOverView has been specifically designed to address these issues and improve communication between design and fabrication, construction etc.

Key plan of the piping system:

The software automatically places a key plan of the plant on each ISOGEN isometric drawing. It shows the routing of the entire pipe with its surrounding. IsoOverView also generates a cover sheet (IsoCoverSheet) for every pipe isometric automatically. The IsoCoverSheet shows the pipe routing with the key plan and the numbered connection points. An additional view displays the entire pipe routing in real scale. This provides an extremely clear picture of the entire layout.



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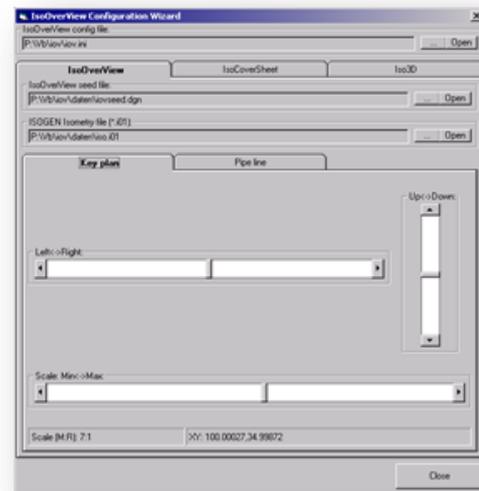


The IsoCoverSheet also includes a table of all connection points. Additionally, it specifies the distances to the nearest grid line of the key plan.

This dramatically improves the understanding of the location and orientation of the isometric and reduces the number of queries likely to be raised. The added benefit is that fewer general arrangement drawings may be needed which will also deliver time savings.

Ease of use:

IsoOverView is very easy to use and is run immediately after ISOGEN. The configuration file that controls the settings for the output can be made specific to a design area if required. The configuration wizard provided allows you to configure the settings for any project. Labelling information can be added to the isometric drawings based on information that is held within either Microsoft Excel® or Microsoft Access®.



Benefits:

- The biggest benefit of using IsoOverView is the additional clarity of communication through the addition of...
 - Isometric cover sheet
 - Scaled key plan
 - Pipe connection numbering with a table of dimensions back to the structural grid lines
 - Addition of labelling information from Microsoft Excel spreadsheets
- Saving of man-hours through the potential reduction of the number of piping arrangement drawings required
- Reduction of time needed for raising and answering engineering queries
- Increased efficiency of construction
- The product includes the **FillNode** and **DgnFindReplace** tools

Next steps:

If you believe that **IsoOverView** may be of value to your organisation, please contact your nearest CAXperts office for further information. We will be happy to provide more detailed information and discuss your individual requirements in more depth.

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