

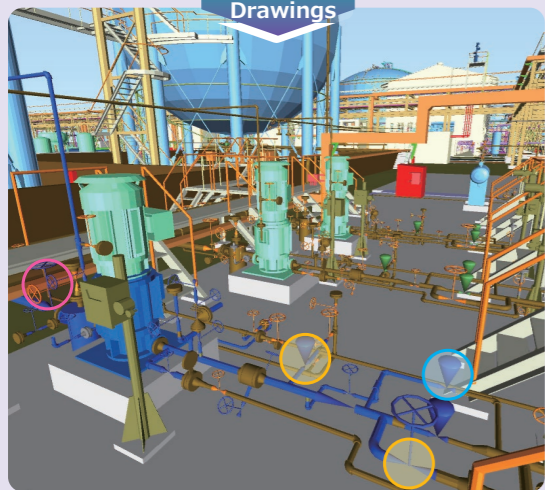
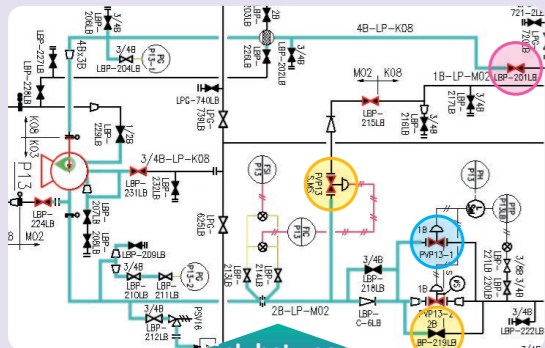
Initialization Process



Integration with Navisworks Simulate

2D-3D Integration

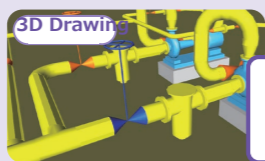
By syncing the P&ID with the 3D model, target valve locations can be easily shown on the 3D model by selecting the valves on the P&ID.



Object / Tag Search from 3D Model

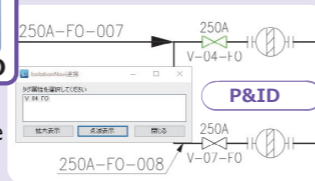
By selecting any equipment or valve on the 3D model, you can jump to its location on the P&ID.

1. Select any valve/equipment on the 3D model



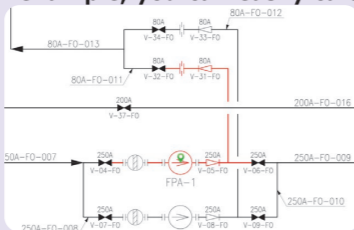
2. Click the icon to link **IsolationNavi™**

3. Target devices or valves will be highlighted on **IsolationNavi™**



Piping & Equipment Properties List Generation

By selecting piping & equipment in the P&ID, you can see it in the 3D model. Also, you can compile the piping & equipment's important properties in a list. For example, you can easily calculate the purging volume.

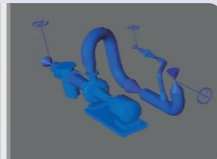


Select the isolation target range in **IsolationNavi™**

You can see the selected piping & equipment in the 3D model

You can make calculations easily using the piping & equipment information.

Elbow	FO	250
Pipe	FO	100
Pipe	FO	100.0742
Elbow	FO	250
Elbow	FO	250
Pipe	FO	153
Pipe	FO	507.1
Elbow	FO	250
Pipe	FO	180.5371
Pipe	FO	505.8742
Tee	FO	250x150x250
Pipe	FO	50
Tee	FO	318.744048



Client System Requirements

Operating System Windows 11 or higher

CPU Intel Pentium4 or later processor with SSE3 technology

Memory (RAM) 2GB or more

Required Software Microsoft .NET Framework 4.8 or higher

License Server Requirements

Operating System Windows 11 or higher
Windows Server 2016 or higher

CPU Intel Pentium4 or AMD Athlon 3.0 GHz or higher with SSE2 technology

Memory (RAM) 2GB or more

Required Hardware Ethernet capable network adapter

Required Software Internet browser such as Microsoft Internet Explorer. .NET Framework 4.8 or higher



Easy and Reliable P&ID Mark-ups through digitalization



- Joint development by Tokyo Electric Power Service Co., Ltd. and Osaka Gas Co., Ltd. / Daigas Gas and Power Solution Co., Ltd.

Daigas Gas and Power Solution Co., Ltd.
3-5-11 Doshomachi, Chuo-ku, Osaka

CONTACT IsolationNavi@ml.osakagas.co.jp
TEL. +81-06-6205-4119/3533

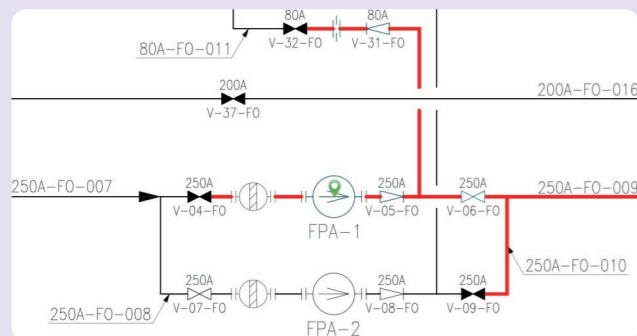


Why IsolationNavi™?

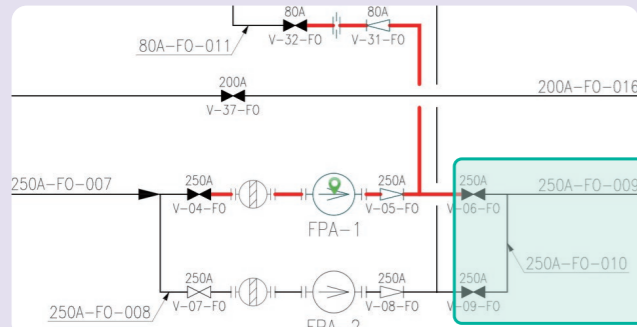
Open/Close statuses of valves and isolated areas can be clearly displayed on P&IDs on your PC. IsolationNavi makes generating P&ID markups simple, expediting the creation of operational procedures.

Functions of IsolationNavi™

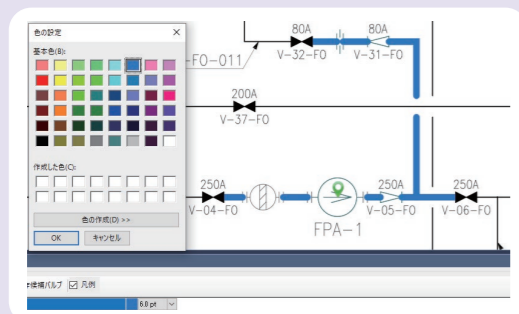
Basic Functions



By selecting any equipment symbol, all affected areas are automatically highlighted in red.

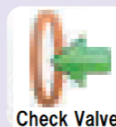
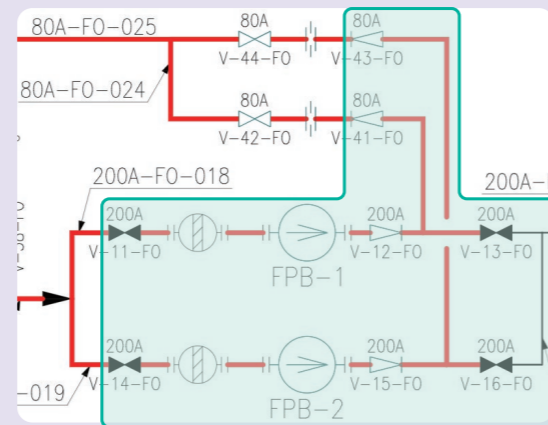
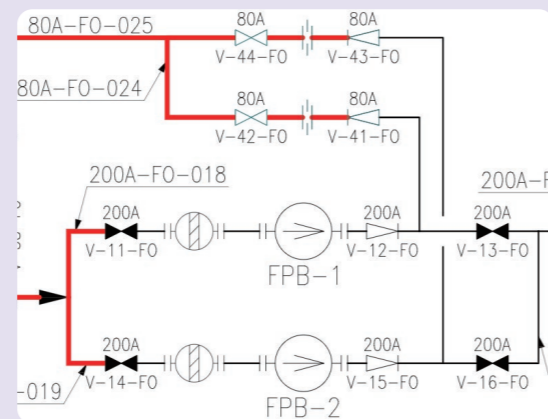


By changing the status of valves surrounding the selected equipment, the affected area is updated automatically.



Line colors and thickness are customizable

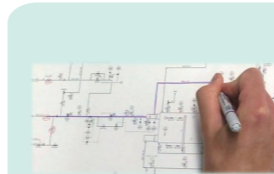
Check Valve Function Assignment



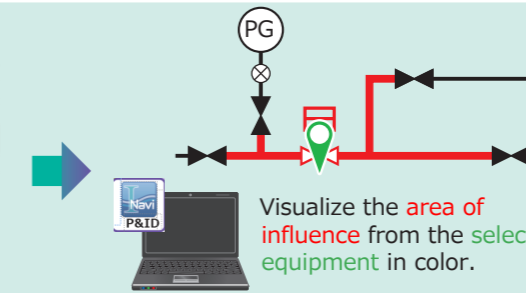
By enabling the check valve function, the check valves can stop the flow of fluid with respect to the flow direction. If disabled, the flow of fluid will pass through the check valves in both directions.

Why IsolationNavi™?

Create accurate drawings for isolation work and optimize the check and review process to prevent human error during the planning stages.



Traditional, hand drawing on PID



Visualize the area of influence from the selected equipment in color.

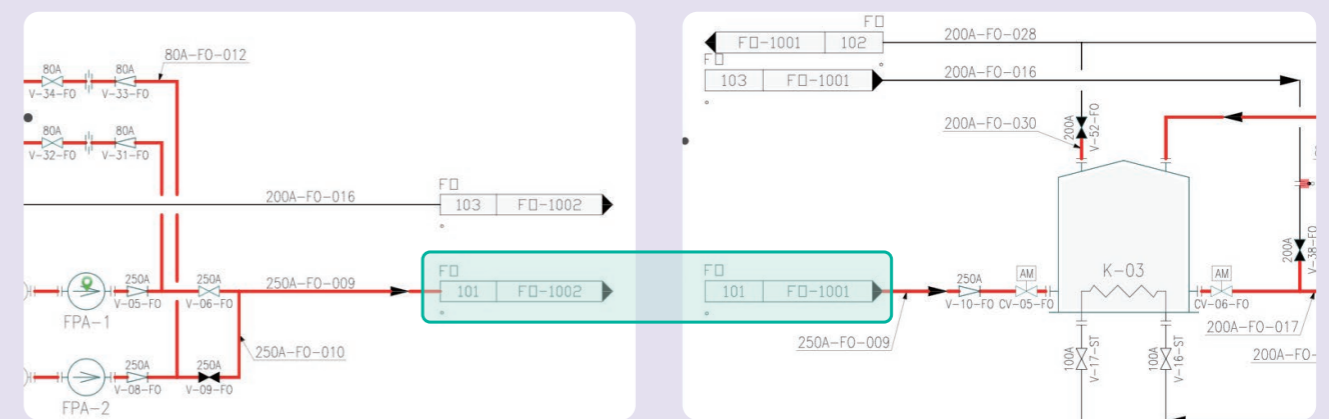
Enhance drawing work

Influence area can be shown automatically across multiple drawings.

Prevent human error

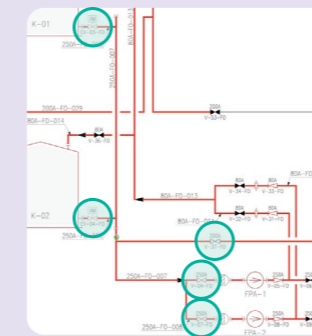
Isolating valves can be checked without oversight.

Automatic Multi-Page Drawing

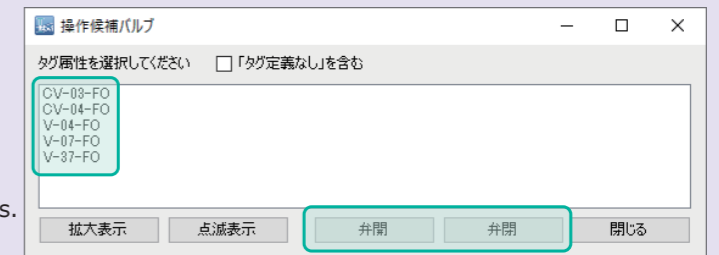


IsolationNavi™ automatically displays all areas of influence throughout multiple P&IDs. IsolationNavi™ is most effective for wider and more complex scopes.

Isolating Valve Candidate Menu

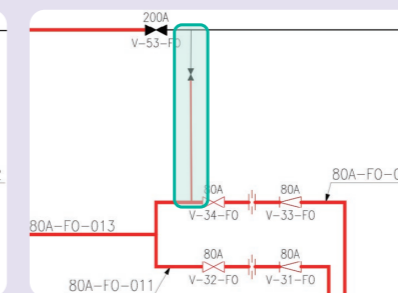
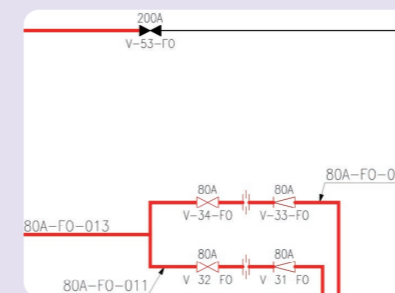


Valves near the selected equipment are automatically listed as isolating valve candidates.



Candidate valves can be opened and closed from the isolating valve candidate menu making visualizing the area of influence easy.

Temporary Valves and Piping



If necessary for purge operations, piping and valves can be temporarily added to the P&ID. The added piping valves can use IsolationNavi™'s functions.

Free Trial

You can use IsolationNavi™ for free on a sample P&ID to test the functions yourself.