Quick Start Guide

A quick way to get started with Visio P&ID Process Designer

VP&ID Process Designer

Pre-installation Checklist

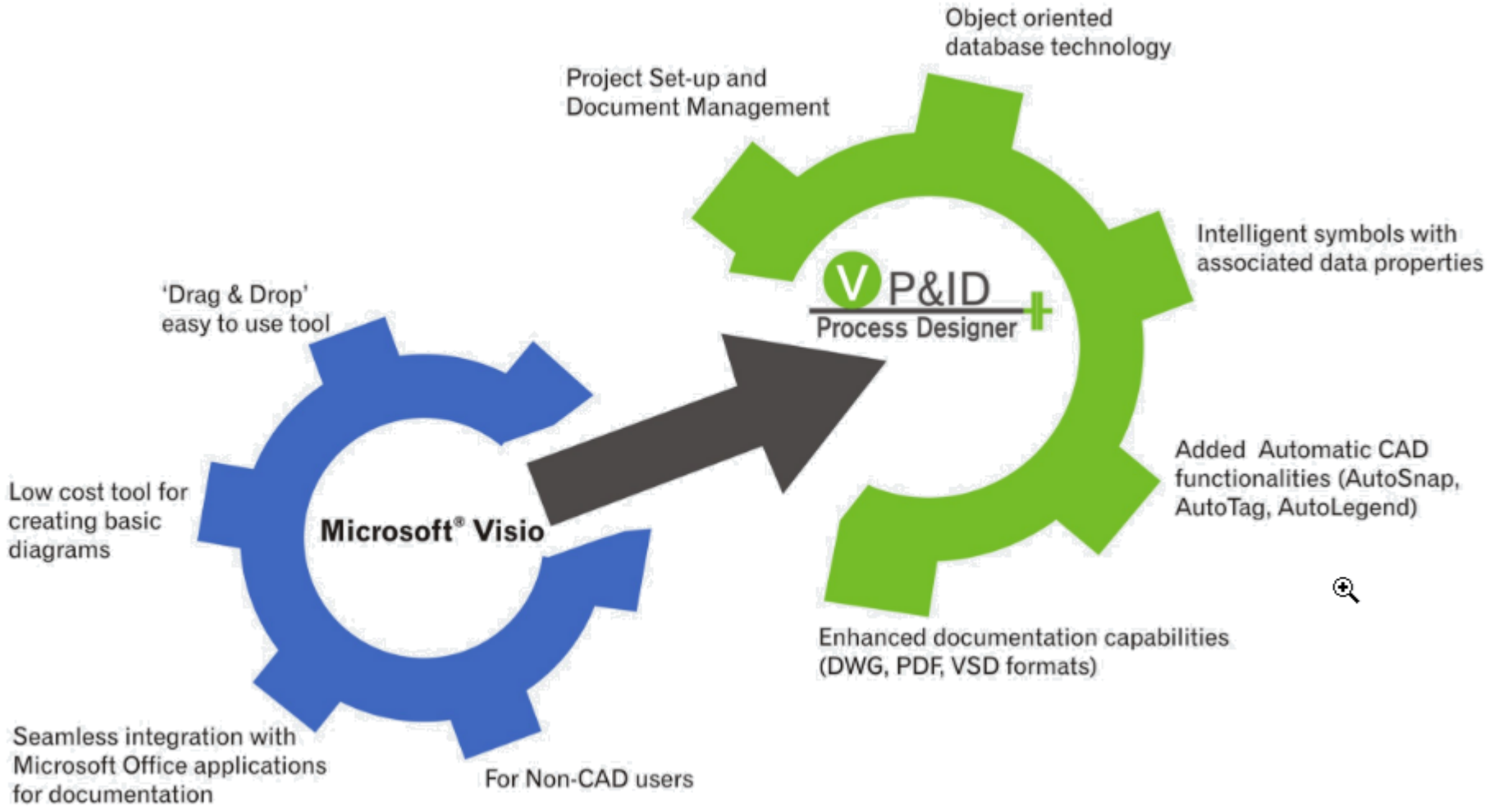
Before installing Visio P&ID Process Designer (**VPID**) in your system, ensure that you have:

- ✓ Installed Microsoft® Visio Standard / Professional / Online Plan 2 and opened it at least once. You can find the trial version here.
- ✓ Administrator Access rights for your system
- ✓ Turned off or closed all active Microsoft® Office applications
- ✓ Turned off Anti-virus for installation

To know the system requirements for VPID installation, click here.

About Visio P&ID Process Designer

- **VPID** is an add-on to Microsoft Visio Standard/Professional/Online Plan 2 software that allows you to easily create Process Flow Diagrams (PFDs) and Piping & Instrumentation Diagrams (P&IDs) in the Microsoft® Visio environment.
- It uses a centralized database management system that handles all objects with intelligence.



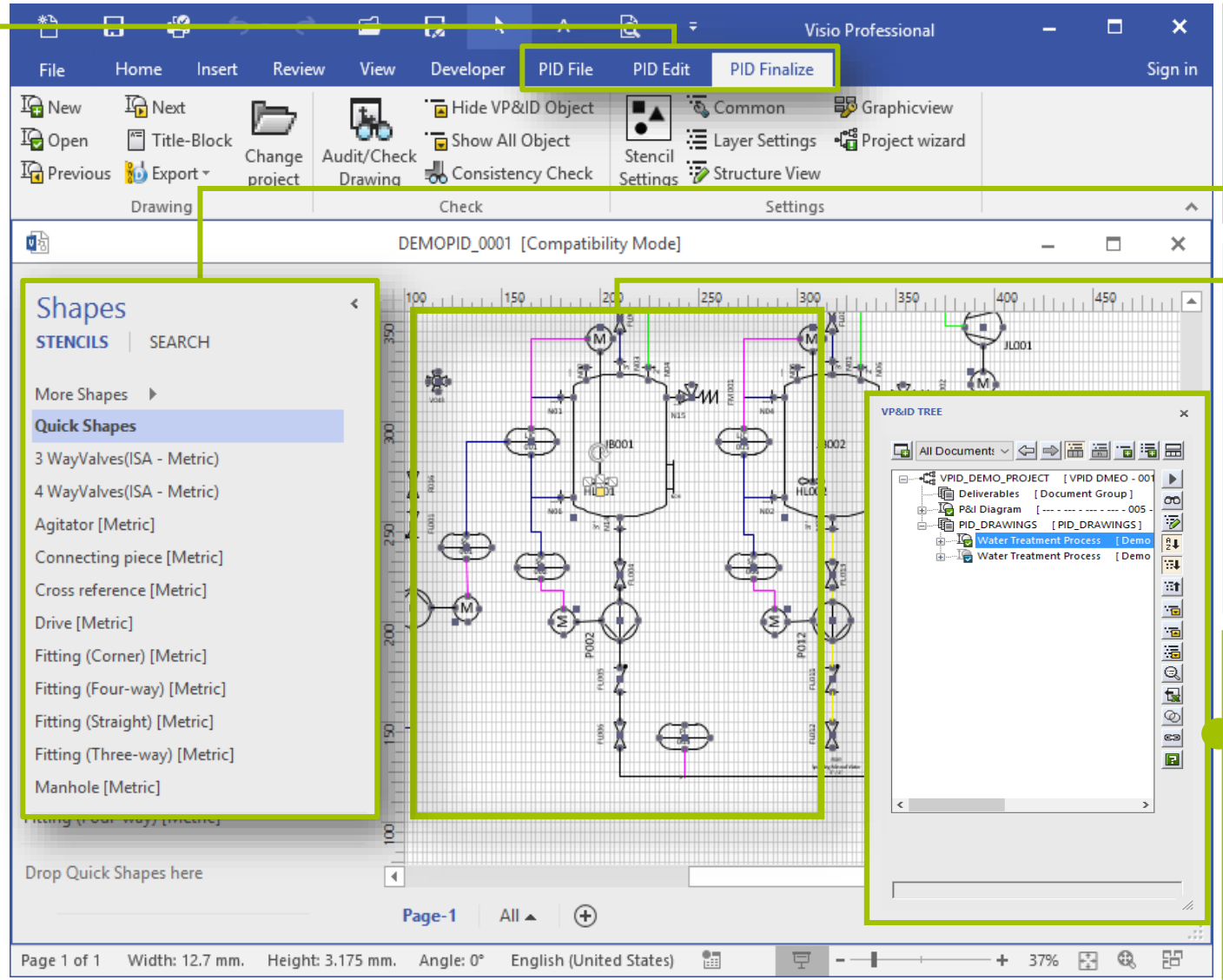
The User Interface

VPID Ribbons

PID File
- Create drawings, navigate through drawings and projects.
- Check for overall consistency of the drawing
- Export drawings

PID Edit
- Access drawings and objects in a tree structure.
- Edit object properties, scale, rotate, merge and link various objects.
- Access pipe commands

PID Finalize
- Label the drawing objects
- Create construction sets to re-use assemblies.
- Insert legends automatically



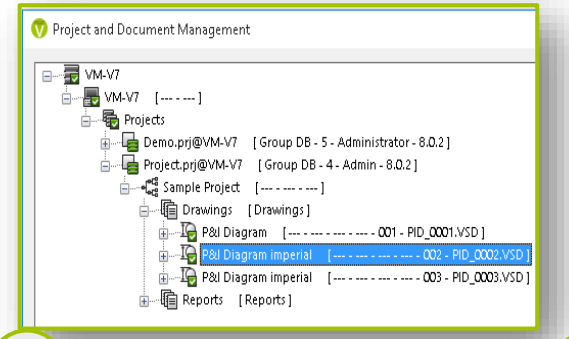
Stencils
VPID offers a wide range of standard intelligent objects that can be directly used in the project.

Drawing area
With drag and drop functionality you can easily place objects in the drawing to create PFDs and PIDs.
Also provide continuity between complex drawings using Cross References.

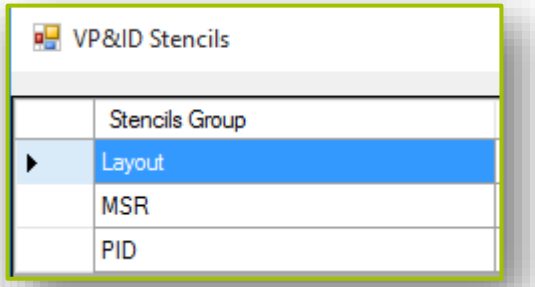
VPID Tree
View, add and manage your project drawings and objects in one dialog.
Filter with structure view to display a specific object type.

VPID Workflow Overview

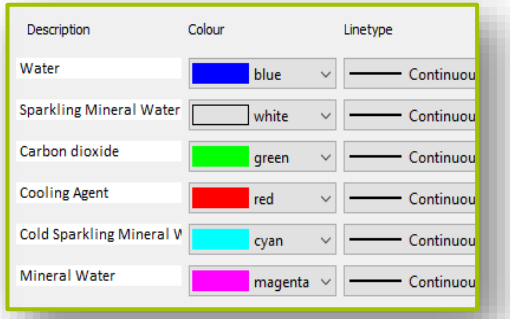
1 Creating a Project Structure



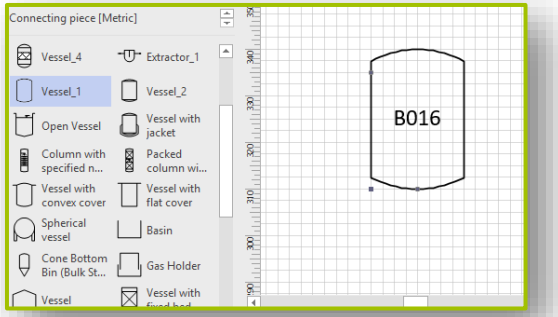
2 Setting up a Stencil group in the Drawing



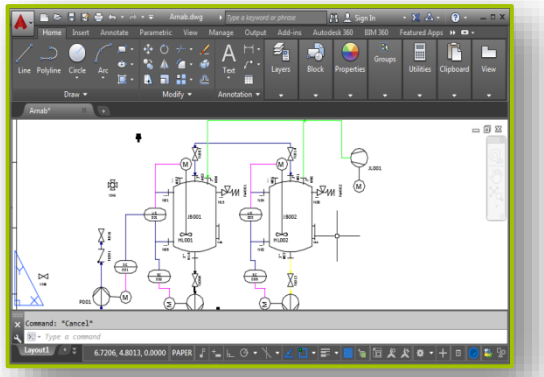
3 Adding Media to the Project



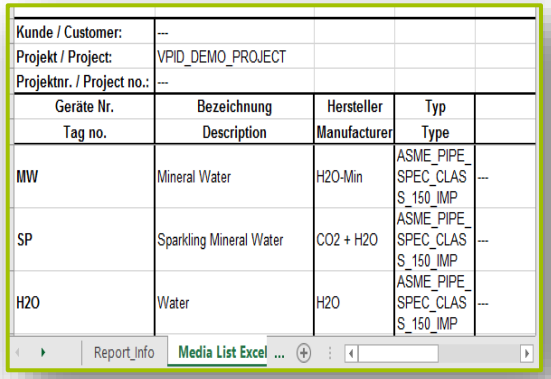
4 Placing Objects in the Drawing



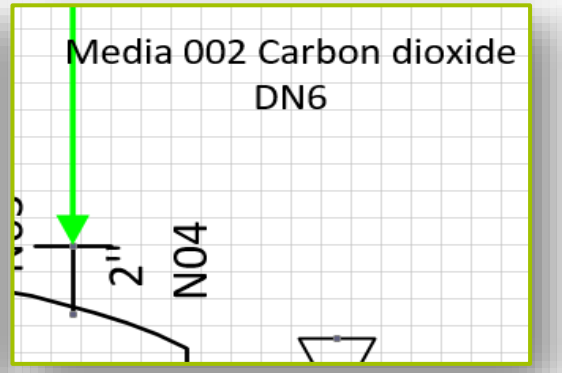
8 Exporting Drawings



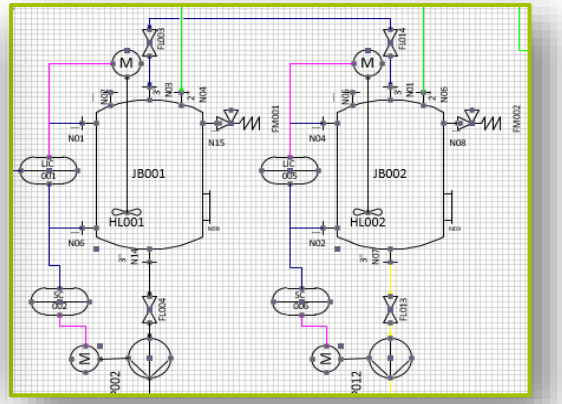
7 Generating Reports



6 Assigning Object Designations



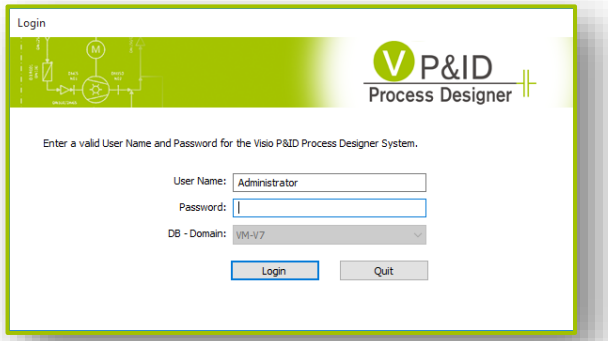
5 Connecting Objects with Pipes



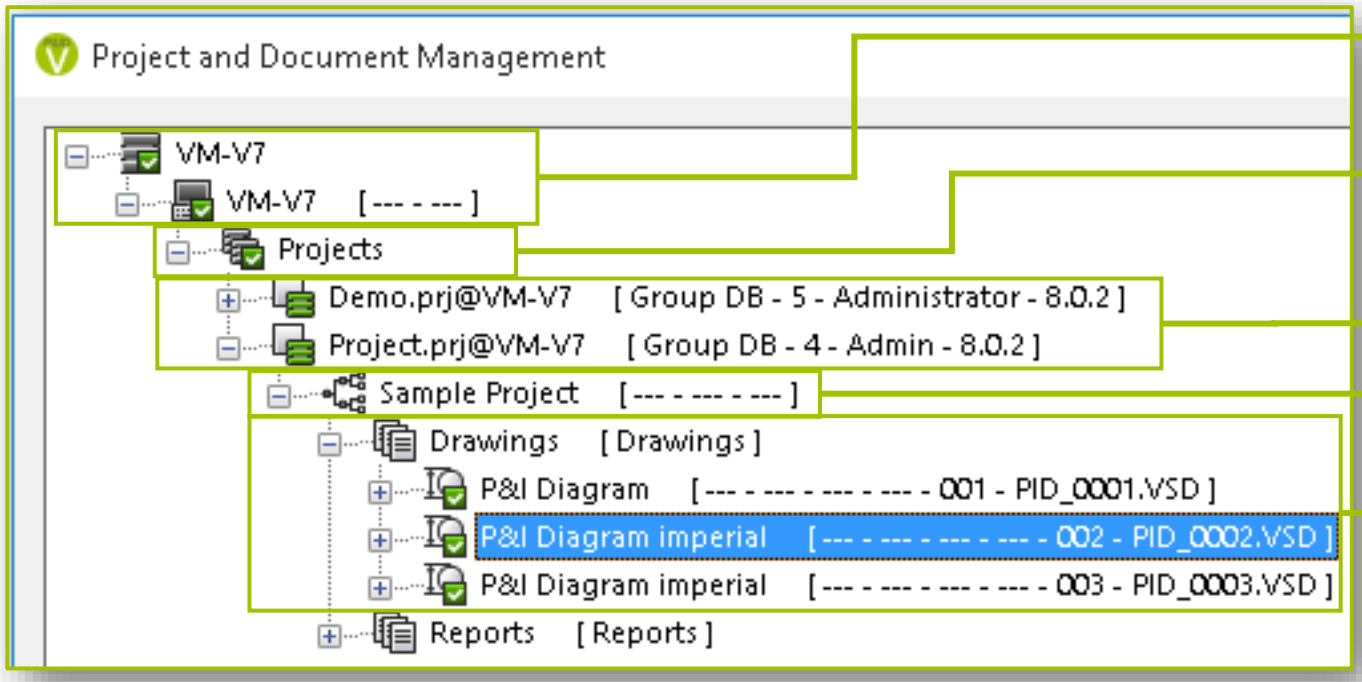
Creating a Project Structure

1. Launch **VPID**

2. Login with your credentials



3. Right-click a project structure node and using shortcut menu, create the project structure.



Database Domain and Computer: The name of the server on which the database is defined.

Database group: A container to store project database.

Project Database: A container of project document groups, objects, and documents. It is the topmost level of the project structure.

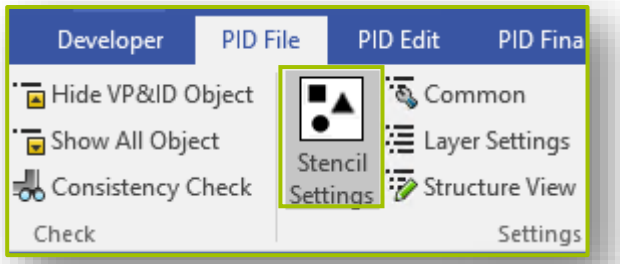
Project: First object in a database and the topmost level of the project structure.

Document Group: A container for storing Drawings (PFDs and PID) and Reports in a Project.

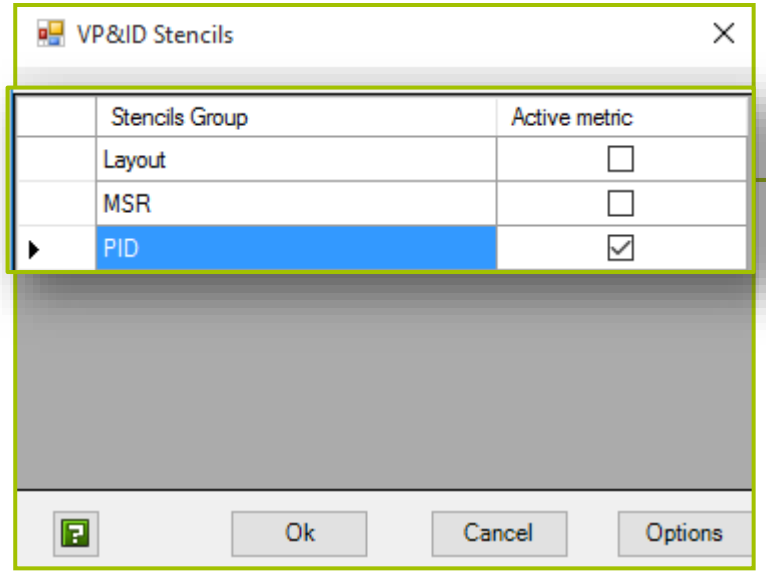
Setting a Stencil Group

You can edit a stencil group and create a new one based on project requirements.

1. Select **PID File** tab **> Stencil Settings.**

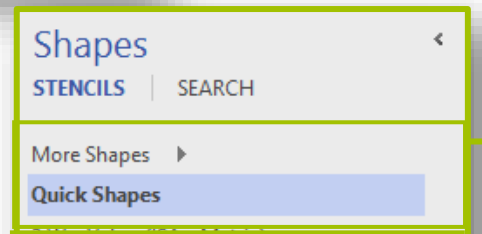


2. Select the required **Stencils Group**, click **OK**.

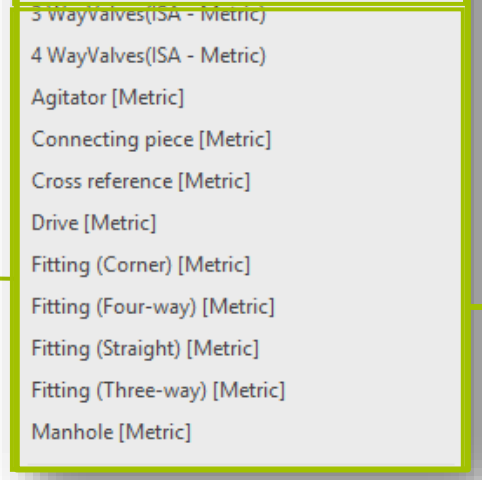


VPID provides some default stencil groups containing a range of stencils.

After selecting a stencil group, the stencils appear under the **Shapes** window.



Visio Quick Shapes

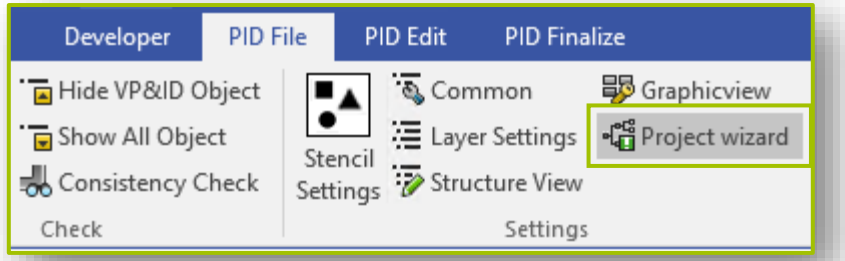


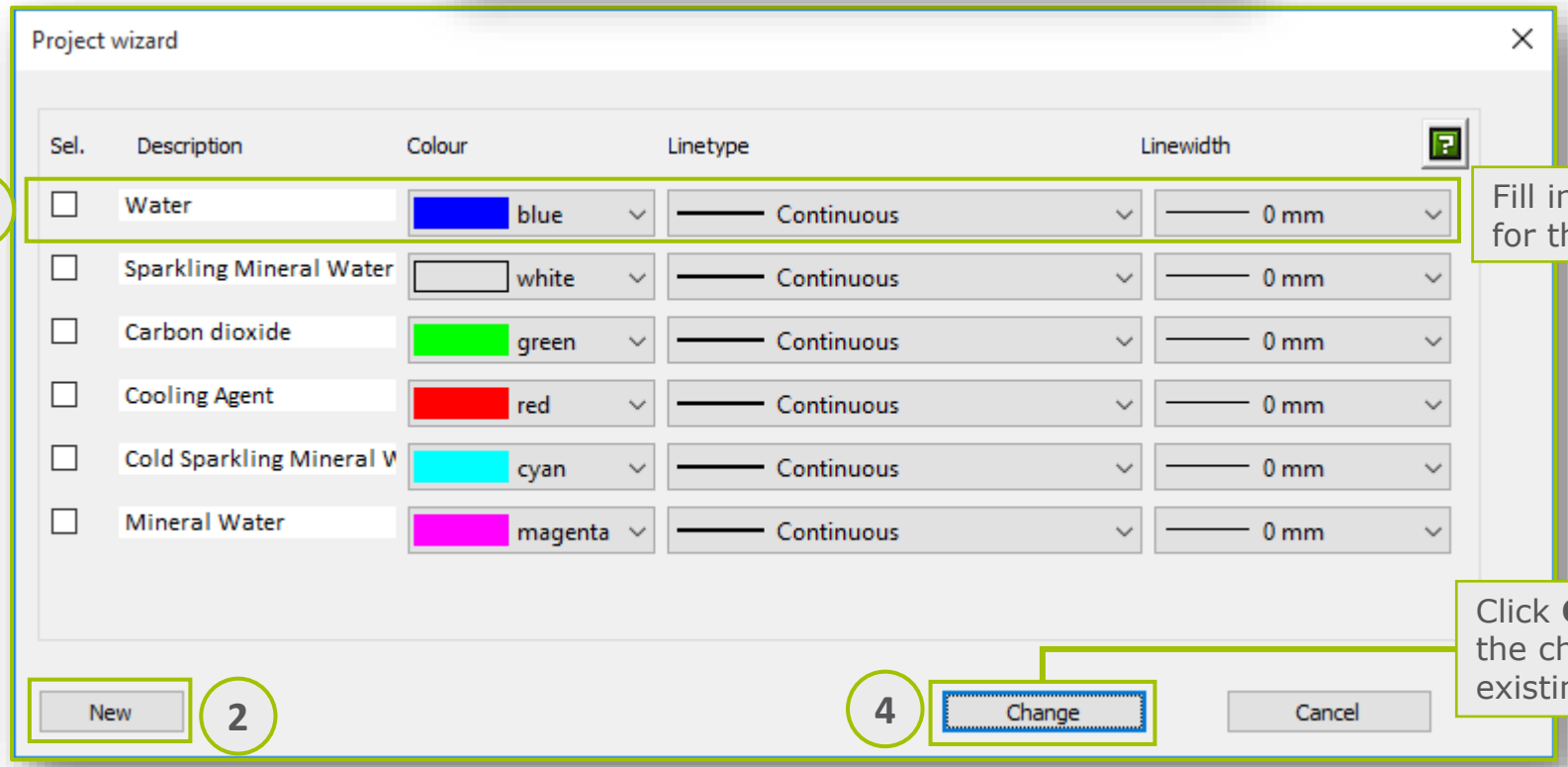
VPID intelligent objects.

Adding Media

Project Wizard allows you to add multiple media objects. It automatically creates respective media specification object.

1 Select **PID File > Project Wizard.**





3 Fill in the specification for the media.

Click **New** to add a new media to the project. 2

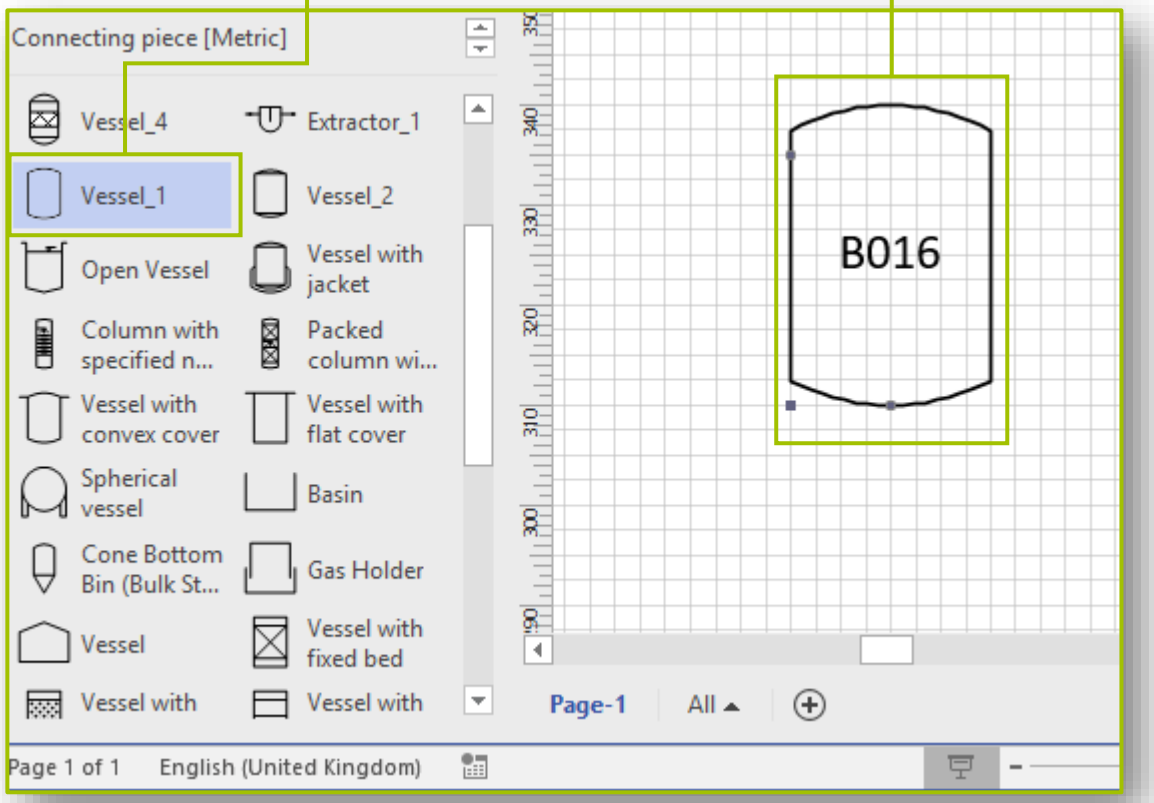
4 Click **Change** to save the changes for existing media

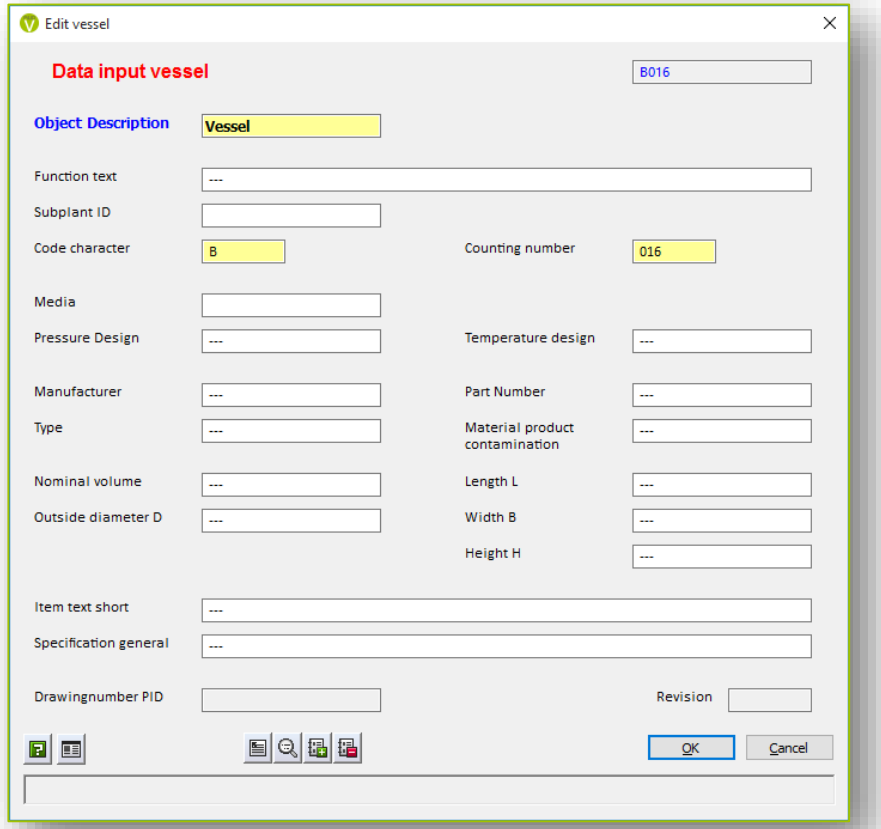
Placing Objects in the Drawing

1 Drag an object from the stencils

2 Drop the selected objects into the drawing area

3 Enter the object information and click **OK**.

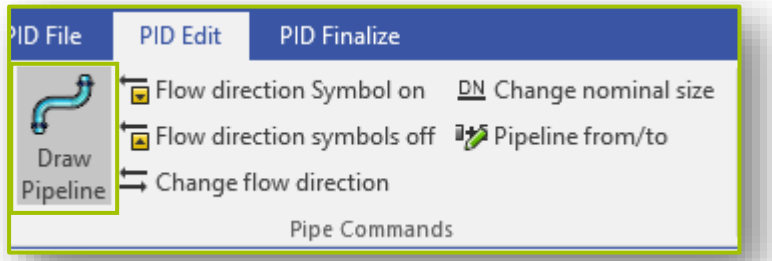




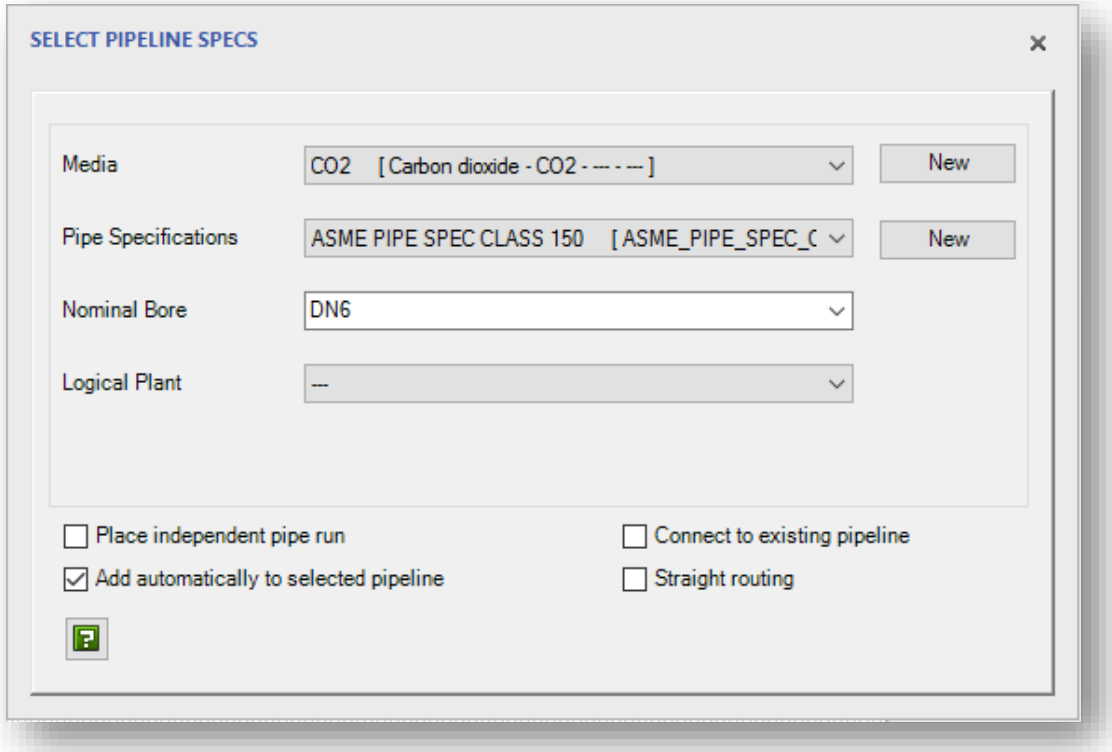
Note: Ensure you have selected the COM Add-Ins available in the developer tab. Failing to do so may make objects static when placing them in the drawing.

Connecting Objects with Pipes

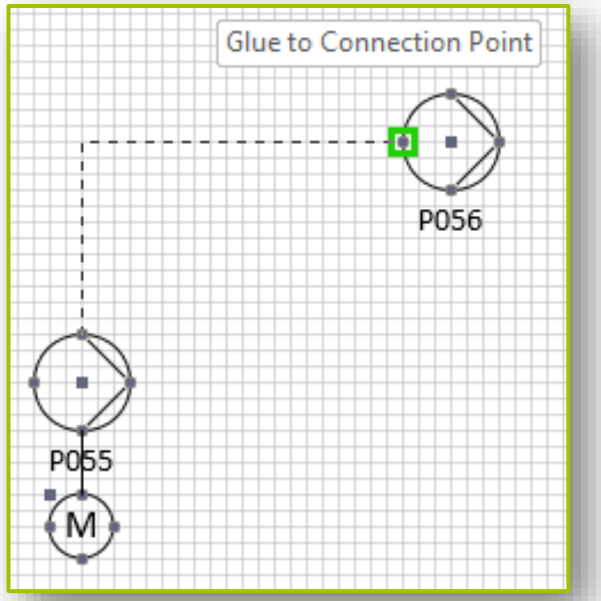
1. Select **PID Edit > Draw Pipeline.**



2. Select **Media, Pipe Specification, and Nominal Bore.**



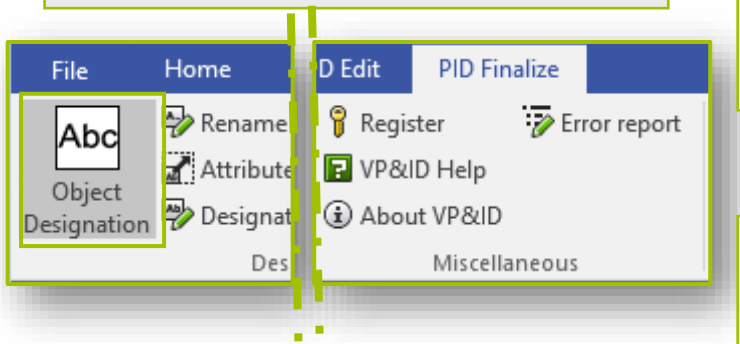
3. Select a connection point, drag the mouse-pointer to the next connection point and drop it.



Designating Objects

The **Object Designation** command allows you to configure your object labelling. You can control the appearance and placement of the label as well.

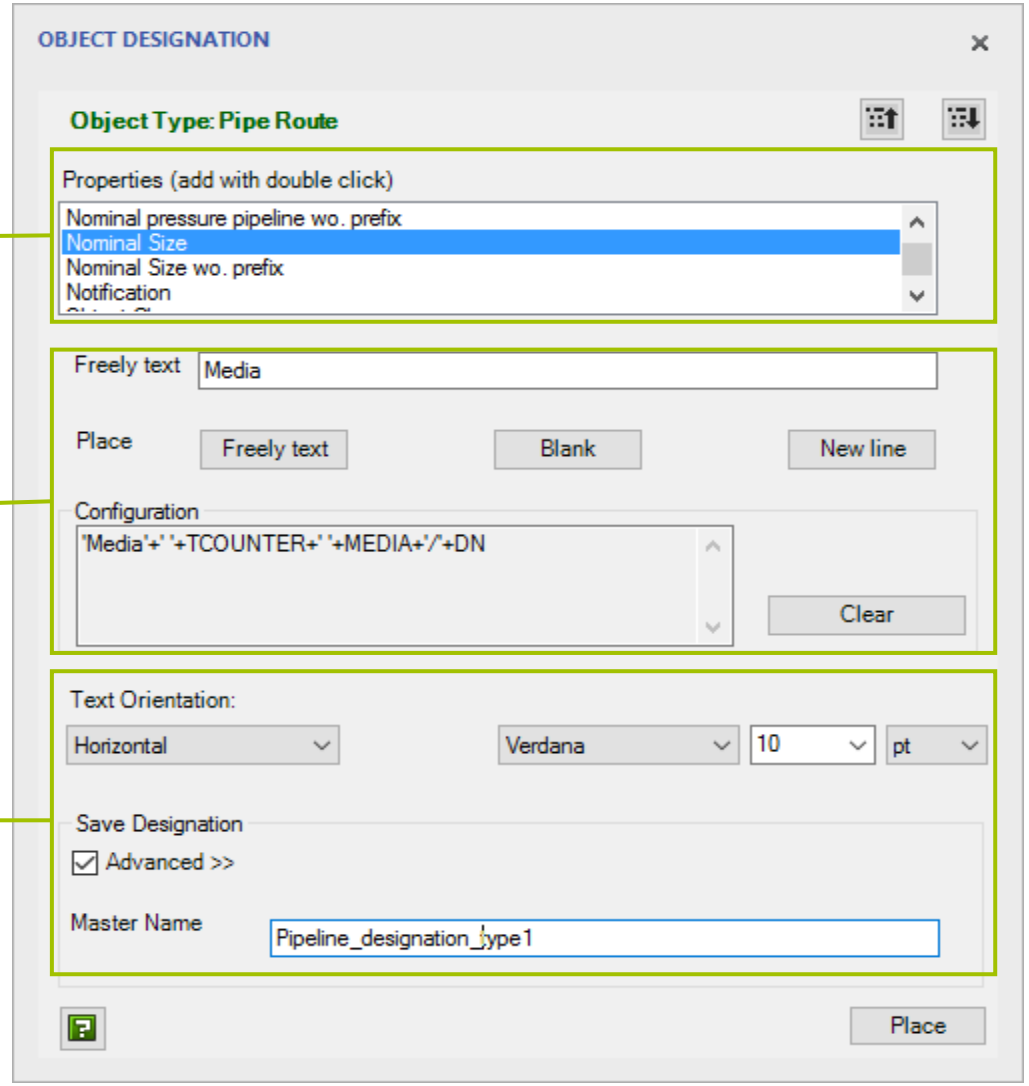
1 Select **PID Finalize> Object Designation.**



2 Double-click to select the object property which you want to display in the label

Configure the label with free text, blank spaces, new line etc.

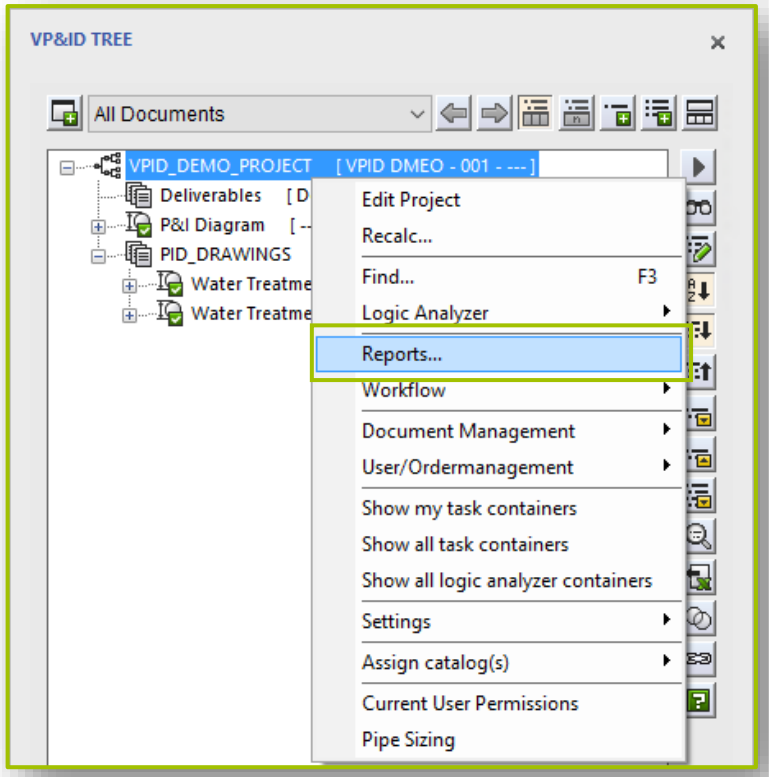
Using advanced settings, you can save this label as a stencil for multiple usage. Drag and place the saved label stencil whenever you require.

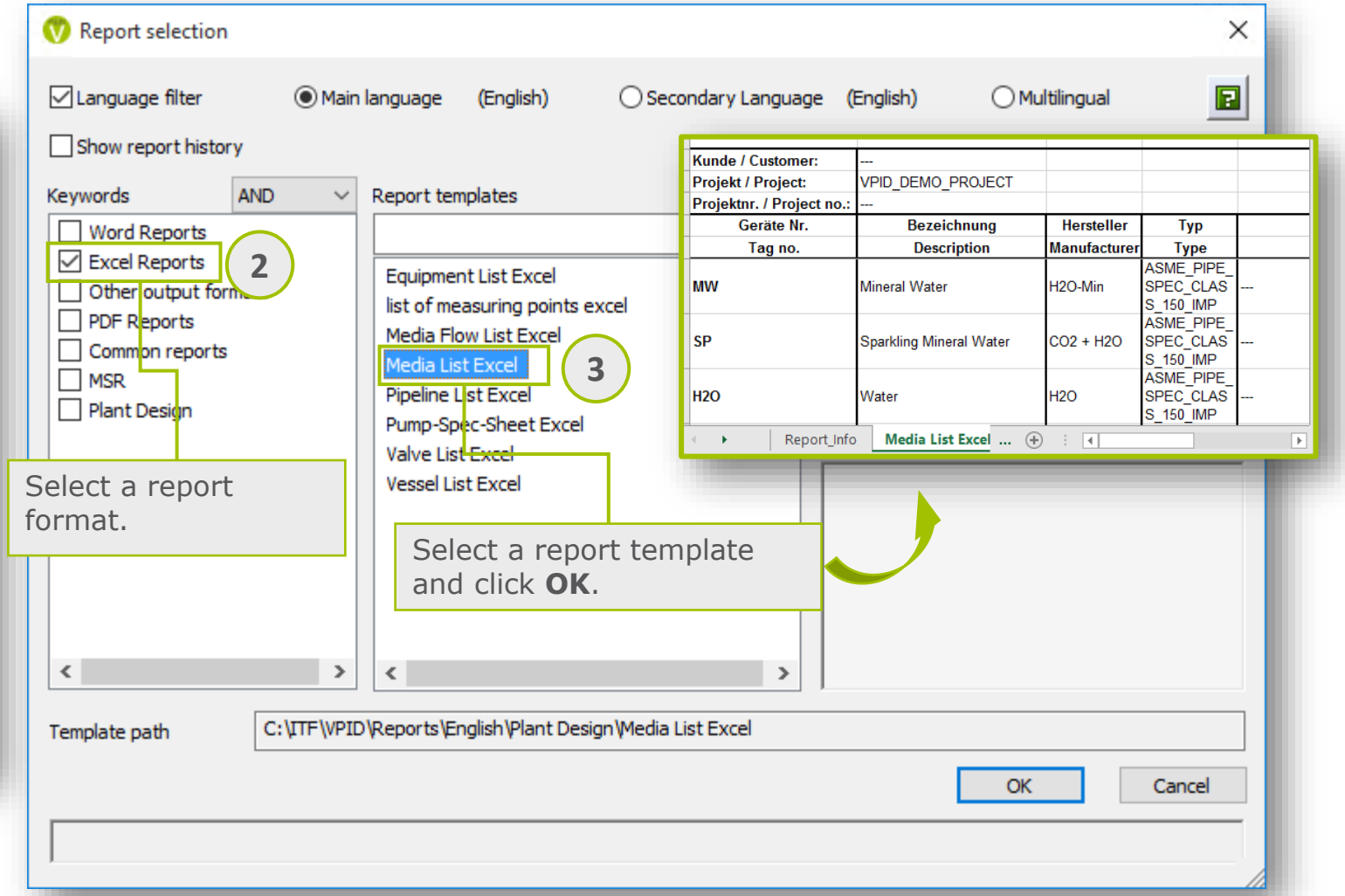


Generating Reports

You can generate reports consisting of material list and export it in various formats using the available templates.

1 In **VPID** Tree, right-click the Project node and select **Reports.**

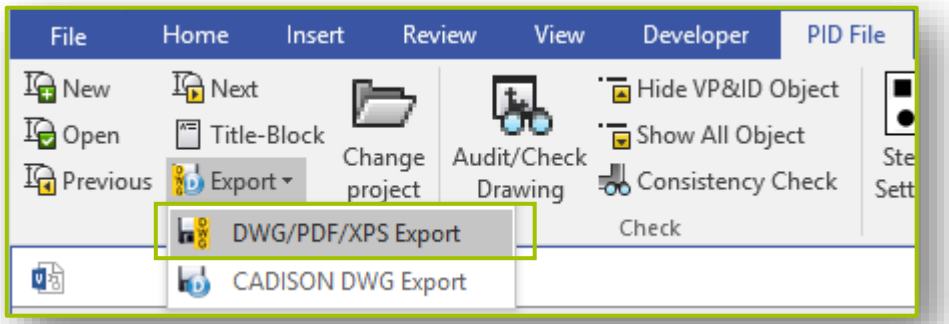


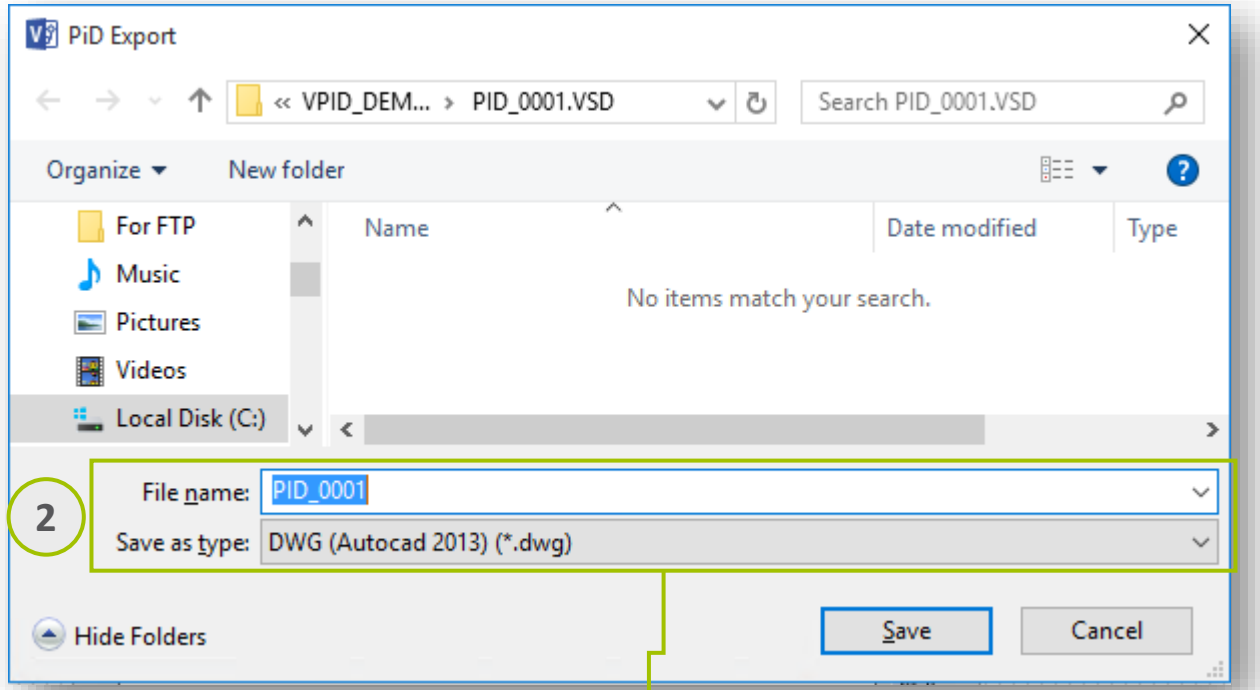


Exporting Drawings

VPID allows you to export your drawings in **.dwg, PDF, .VSD and .VDSX** format, which allows you to share your drawing.

1 Select **PID File > Export > DWG/PDF/XPS Export.**





Enter a **File name**, select a **Save** as Type and click **Save**.

Note: To export drawings as CADISON DWG, you will need to contact your **VPID** support.

Thank You!

We would like to hear from you!

You can email us at info@visiopid.com and we will reach to you in one business day.

If you need any technical assistance, visit our support centre at http://www.visiopid.com/ostic/open.php.