**Off-Page Connector (OPC) in AutoCAD Plant 3D (P&ID)**

An **Off-Page Connector (OPC)** in **AutoCAD Plant 3D (P&ID)** is used to **link pipelines** between different P&ID drawings. It ensures **continuity of process lines** across multiple sheets and maintains **data consistency** between connected pipelines.

**🔹 Why Use Off-Page Connectors?**

✅ Connects **piping lines across different P&ID drawings**.  
✅ Maintains **line number continuity** between sheets.  
✅ Ensures **data consistency** when generating reports (BOM, Line List).  
✅ Helps **identify missing or unlinked pipelines** in a project.

**🔹 How to Insert and Use Off-Page Connectors**

**1️⃣ Insert an Off-Page Connector in P&ID**

1. Open a **P&ID drawing** (.dwg).
2. Open the **P&ID Tool Palette** (CTRL + 3).
3. Select the **Off-Page Connector** from the **P&ID Common Symbols** tab.
4. Click to place it at the **end of a pipeline**.
5. In the **Off-Page Connector dialog**, enter:
   * **Line Number** (must match the destination).
   * **Connected Drawing Name** (optional but recommended).
   * **Pipe Specification & Size**.
6. Click **OK** to save the connection.

**2️⃣ Connect the Pipeline to Another Drawing**

1. Open the **destination P&ID drawing** where the pipe continues.
2. Insert another **Off-Page Connector** (PLANTP&IDOFFPAGE).
3. Enter the **same Line Number** as in the first drawing.
4. Select the **previously created connection** from the list.
5. Click **OK**, and the connection is established.

**3️⃣ Verify Off-Page Connections**

To check if all **piping connections are correctly linked**:

1. Open **Data Manager (PLANTDATAMANAGER)**.
2. Select **P&ID Piping Lines**.
3. Look for any **unconnected lines** in the Off-Page Connector column.
4. Correct any missing links by assigning the correct line number.