# PD5740 – AutoCAD® P&ID and AutoCAD® Plant 3D: Hidden Treasures in Your Databases

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### Class summary

#### You will learn:

- how AutoCAD® P&ID/Plant 3D uses databases
- what the difference between Table and View is
- what are relationship tables for
- how you create your own views
- how you get the result of a view into your drawing



### **Key learning objectives**

At the end of this class, you will be able to:

- Understand how AutoCAD P&ID software and AutoCAD Plant 3D software handle databases
- Learn where and how the data is stored in the database
- Learn how to create database views
- Discover ways to use the view's result for your work

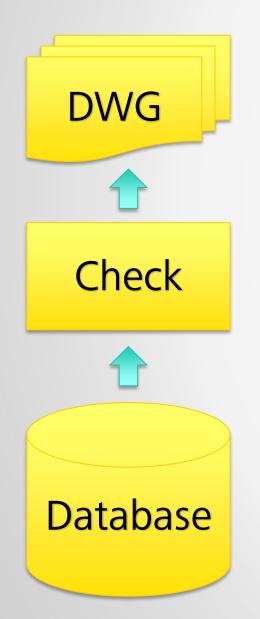


# How AutoCAD® P&ID/Plant 3D uses databases

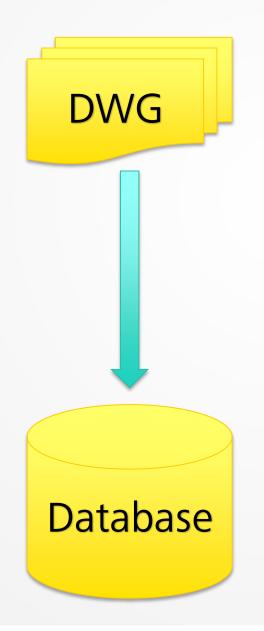


### How AutoCAD® P&ID/Plant 3D uses databases

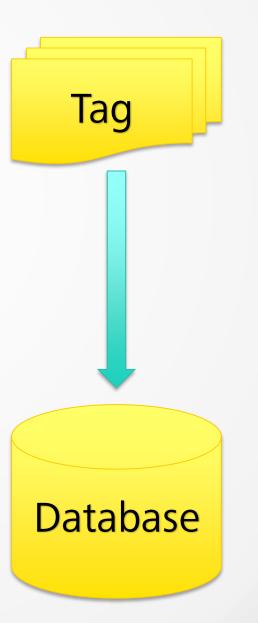
Open DWG



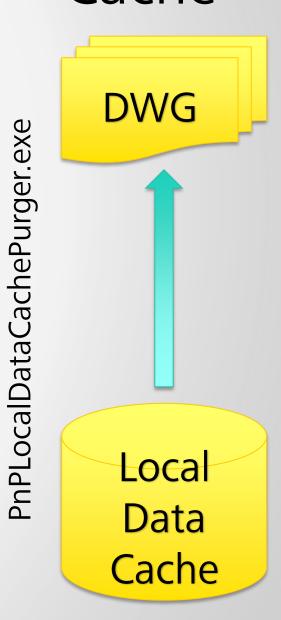
Save DWG



New Tag



Local Data Cache



# What is the difference between Table and View

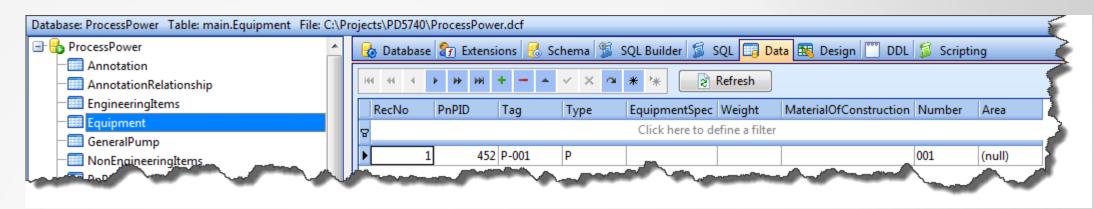


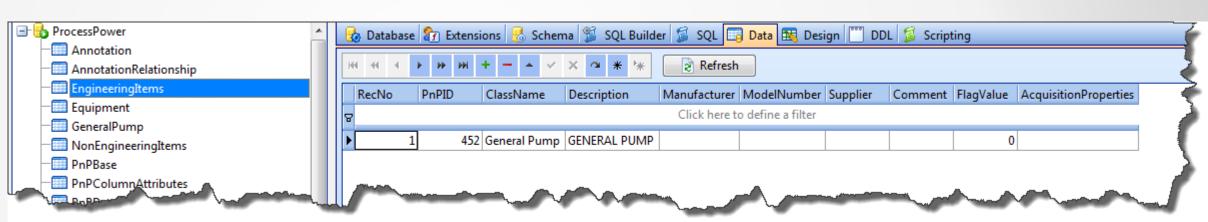
### What is the difference between Table and View

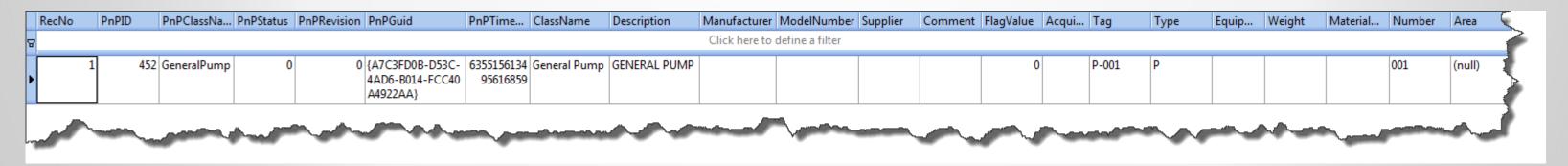
Equipment Table

EngineeringItems Table

Equipment\_PNP View







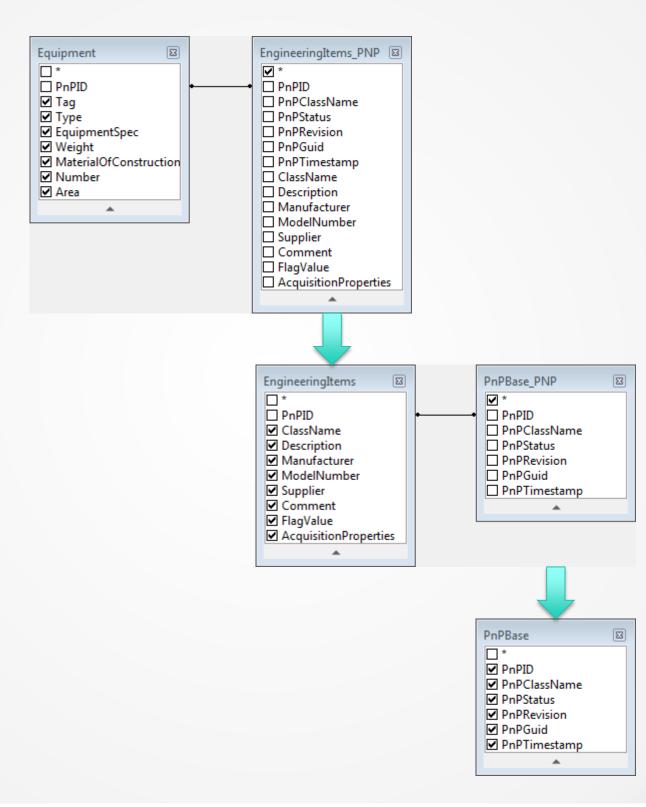


### What is the difference between Table and View

Equipment\_PNP View

EngineeringItems\_PnP View

PnPBase\_PNP View





# What are relationship tables for



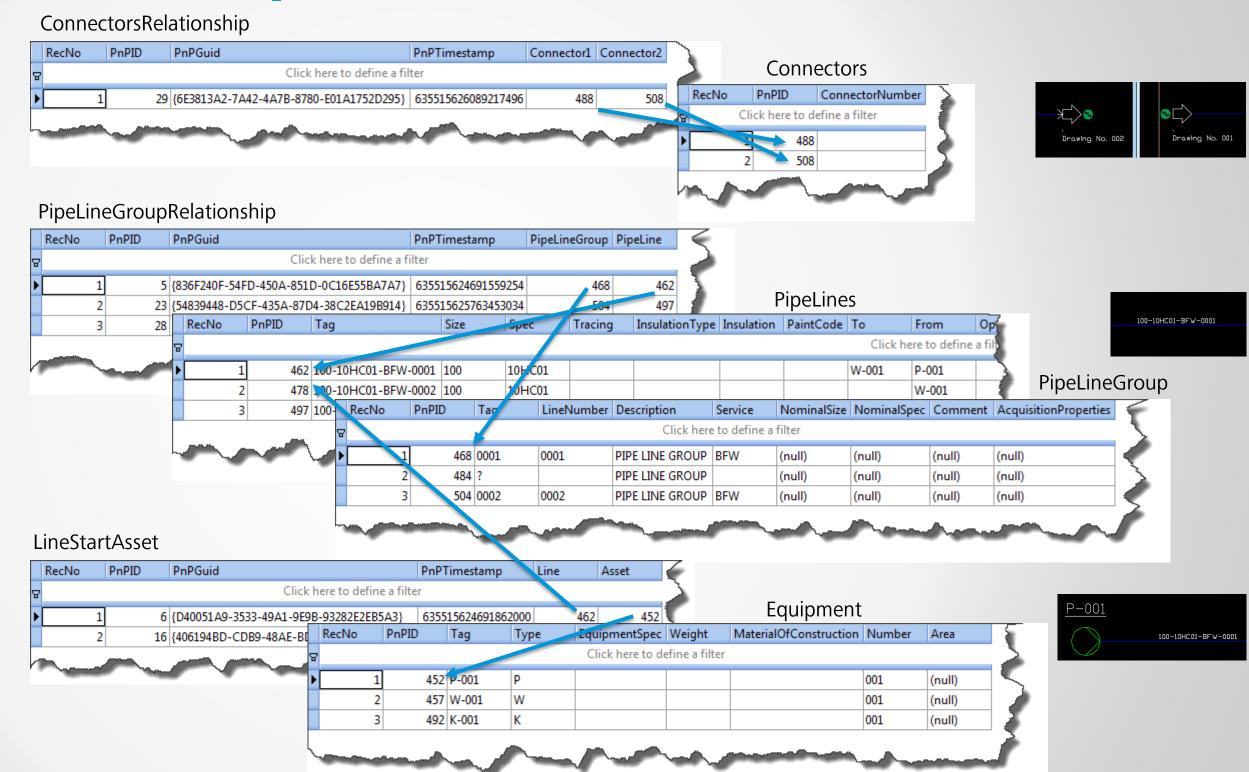


### What are relationship tables for

Off-Page Connector

PipeLineGroup & PipeLineSegements

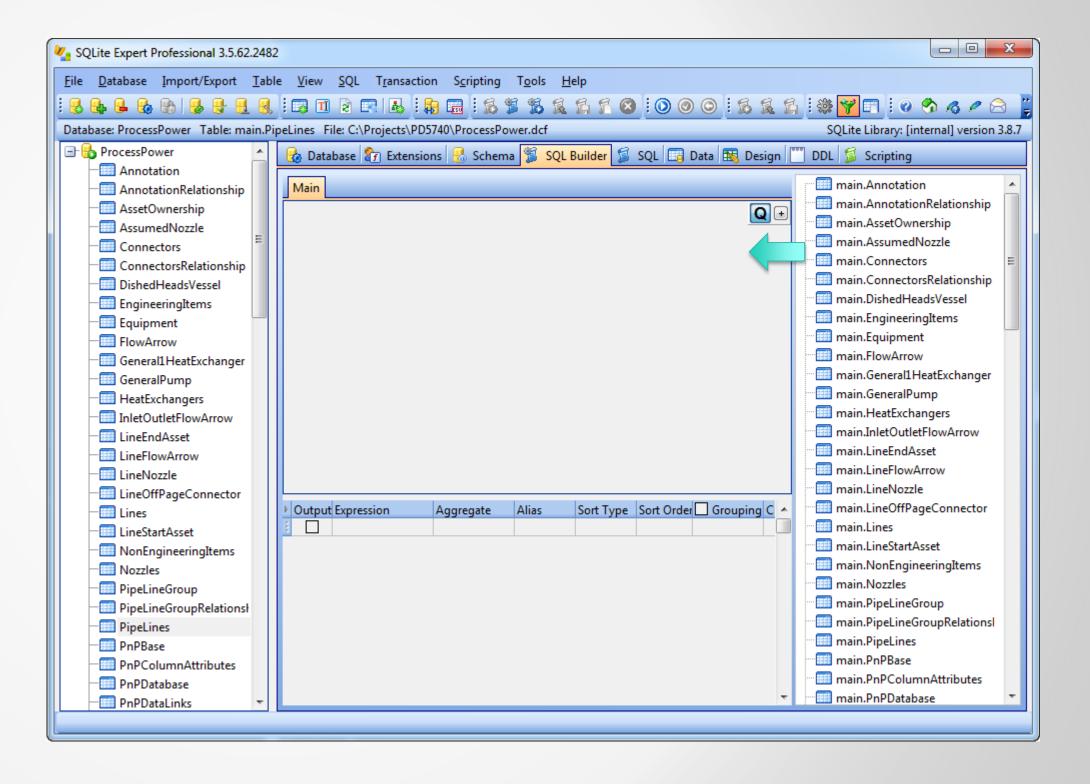
LineStartAsset & LeinEndAsset





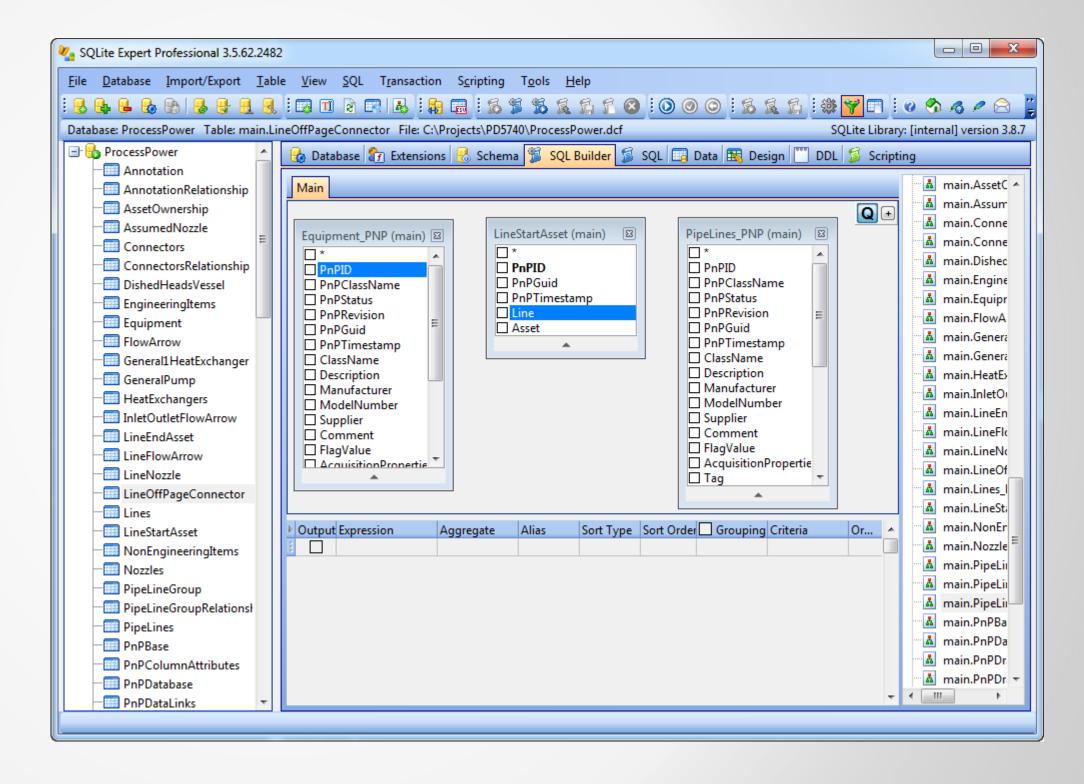


SQL Builder



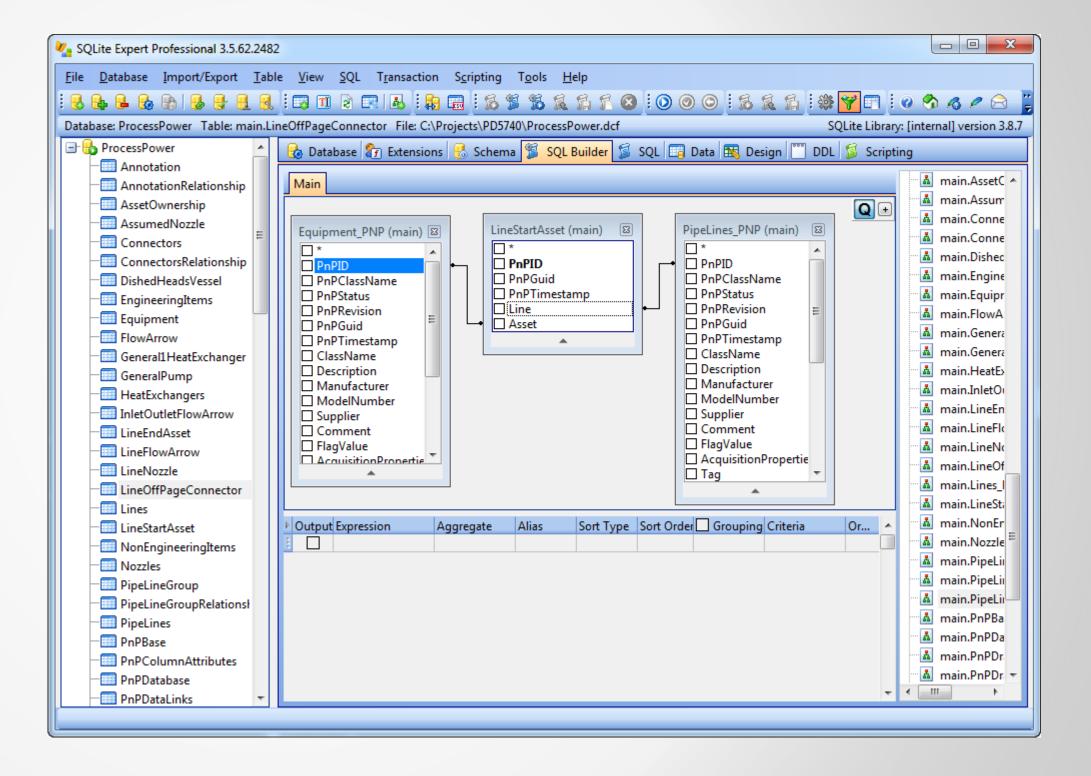


# Select Tables or Views



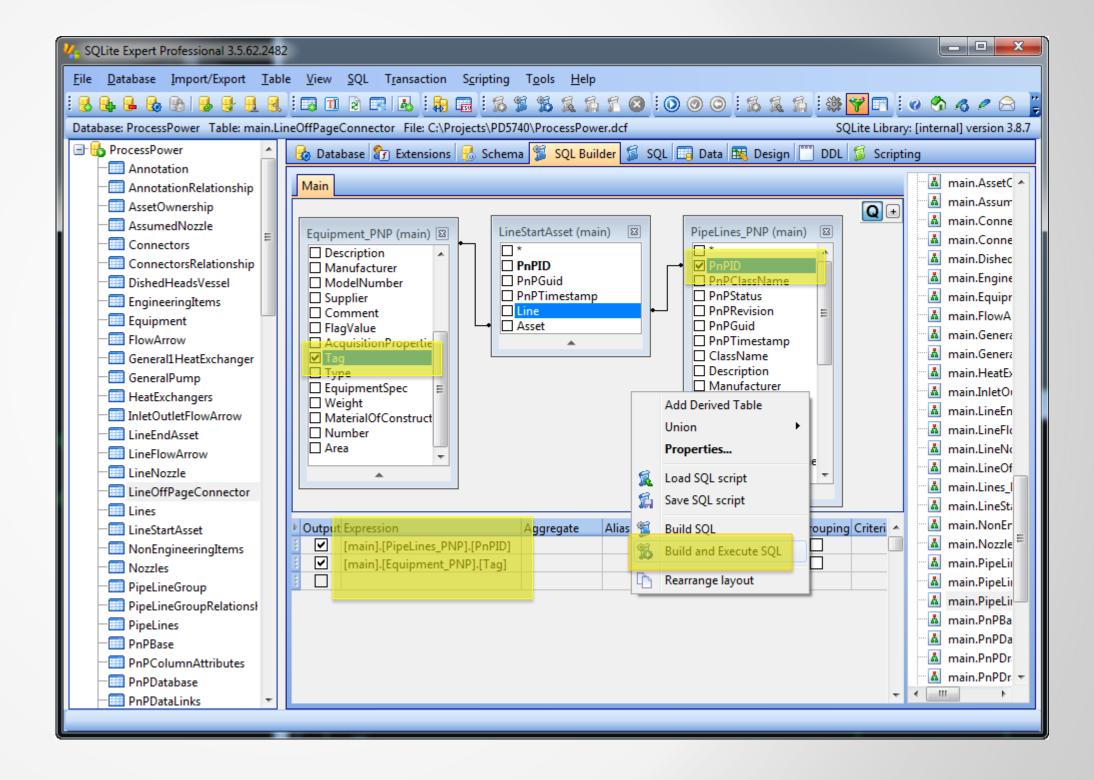


### Set relationships



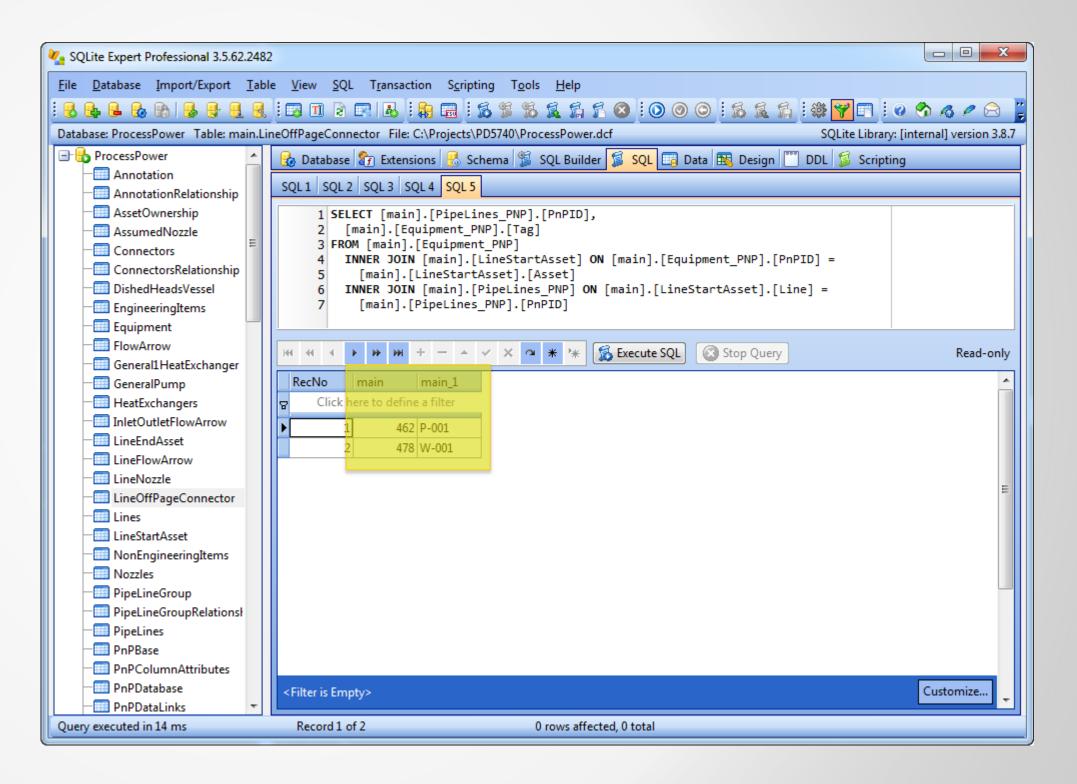


Set fields and execute



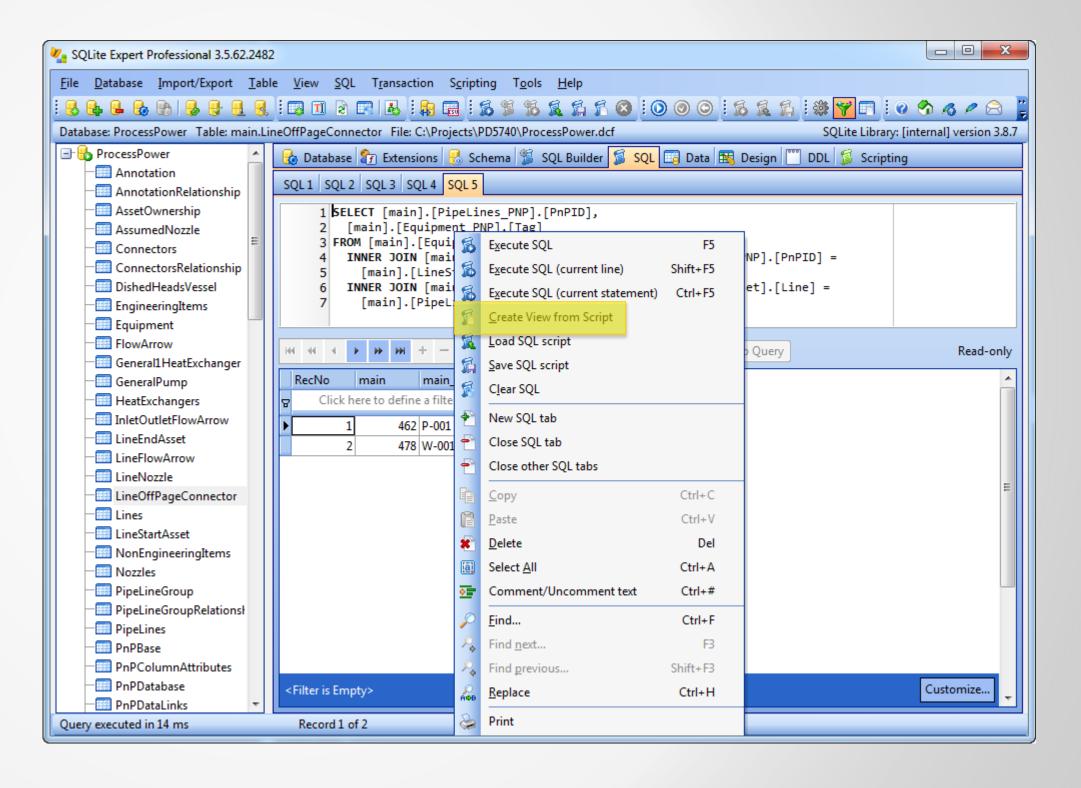


### Check result



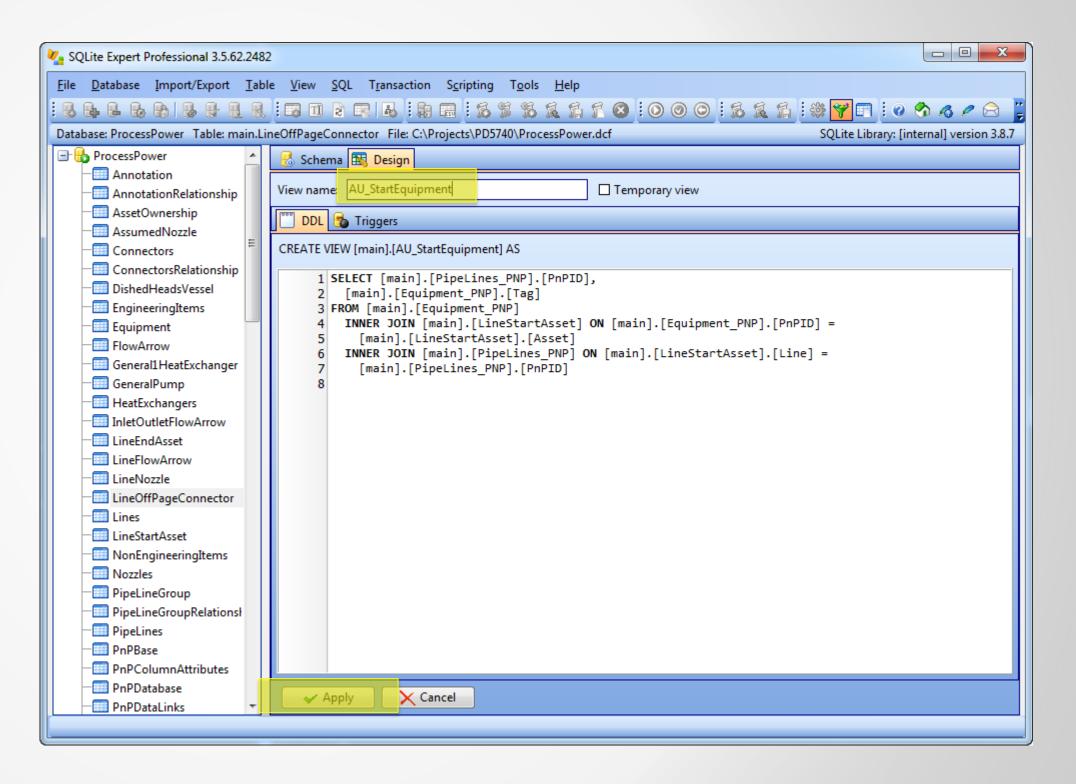


### Check result





Save View





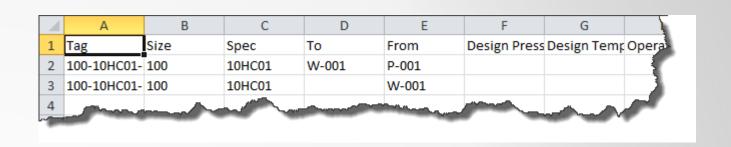
# How to get the result of your view into your drawing

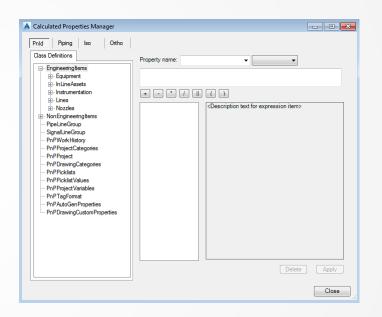


## How to get the result of your view into your drawing

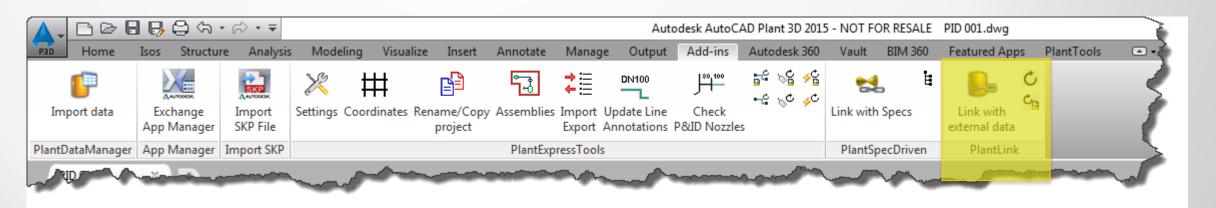
Excel Ex-/Import + Copy & Paste







PlantLink





## How to get the result of your view into your drawing

