

Migrate PSDS to OPM

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- Installation
- Find files/db – place them in current Dataset
 - Ams.lib
 - Ams_user.lib
 - Pltspace.mdb or SQL
 - Rimref.dat
- Set the connection to mdb in the .pcf-file
- Select data source

Installation Server

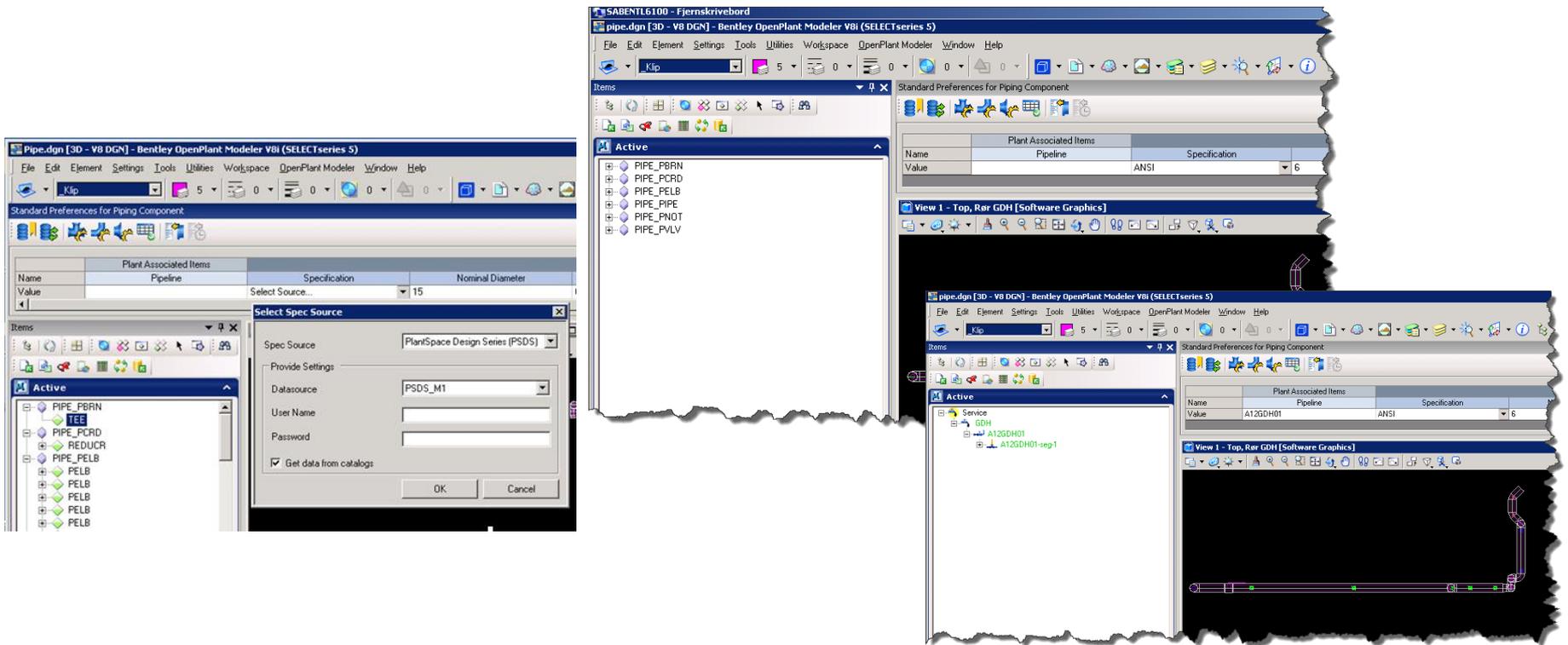
- Server
 - PW Integration Server
 - PW Orchestration framework
 - PW Automation Service
 - PW Administrator
 - OPM Server
 - OPM Administrator
 - Client software (to run test Migration on Server):
 - PW Explore
 - OPM

Installation Client

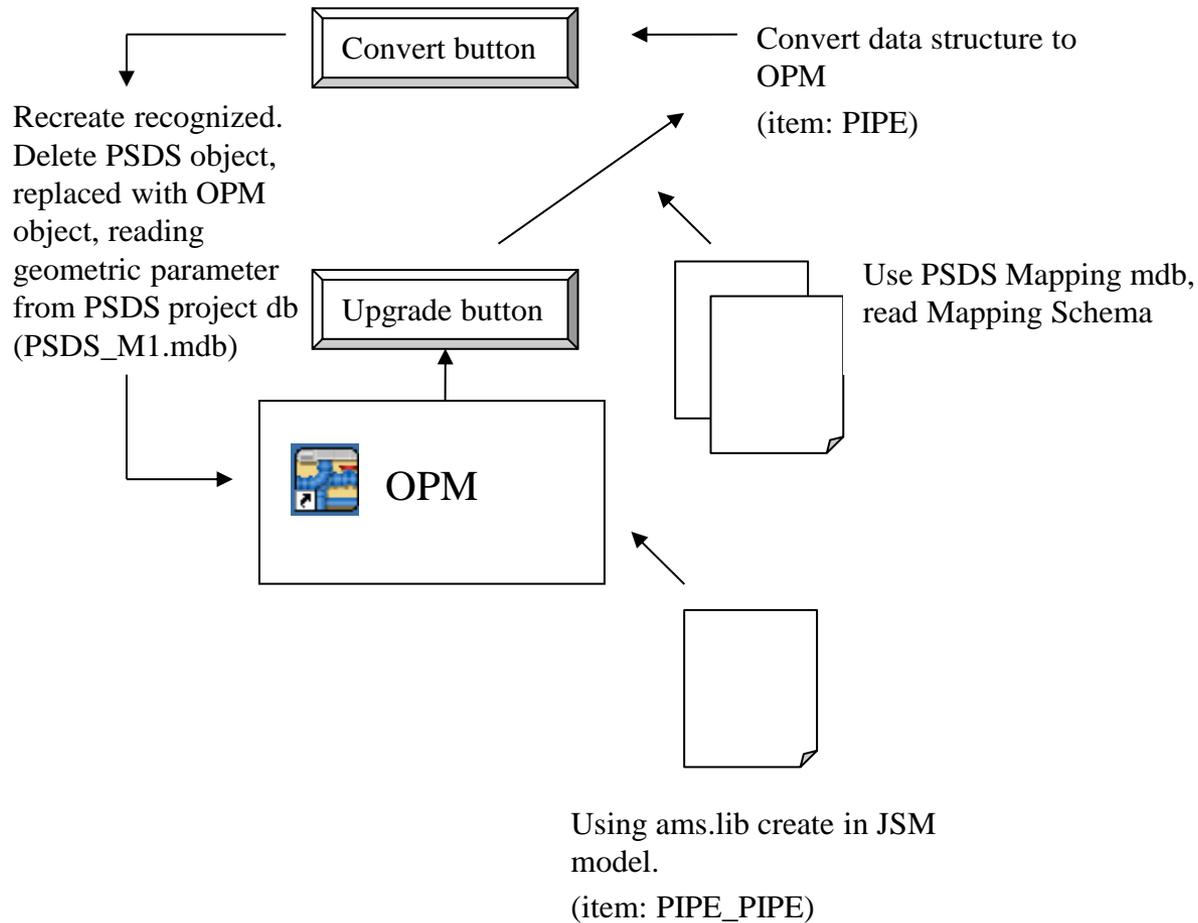
- Client
 - PW Explore
 - PW Administrator
 - PW Automation Service
 - OPM
 - OPM Administrator

Testing the first Model Conversion

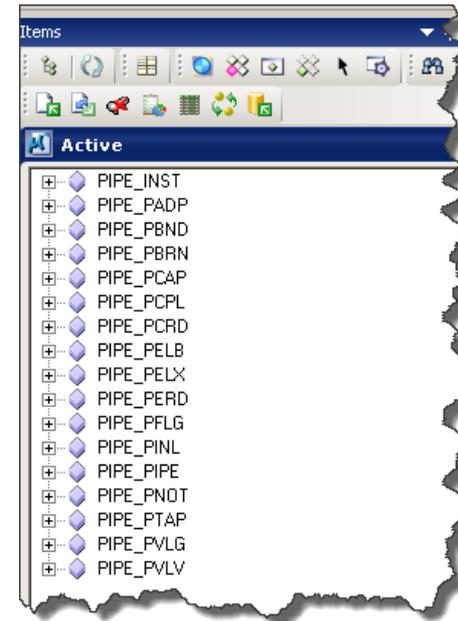
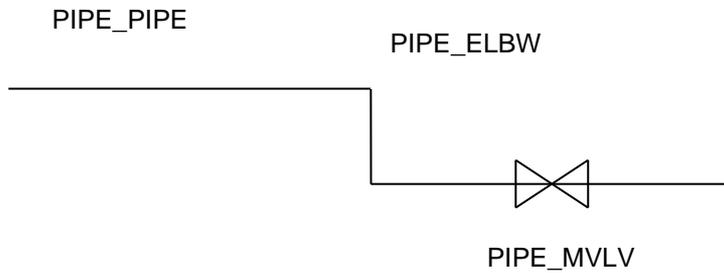
- Clean up a PSDS.dgn file (NOT in OPM)
- Then open file in OPM. First time, select source
- Run Upgrade and Convert



What's happening



Configure Mapping



Schema

- OpenPlant_3D.01.04.ecschema.xml
- Supplement scheme: BentleyBase.01.00.ecschema.xml, OpenPlant_3D_Supplemental_Mapping_PSDS.01.04.ecschema.xml

The screenshot displays the Bentley OpenPlant 3D software interface, showing the configuration of schema classes for valves and regulators. The main window is titled "OpenPlant_3D.01.04Valve" and shows a tree view of the class hierarchy on the left, a properties table in the center, and a category definition at the bottom. A secondary window on the right shows the configuration for "OpenPlant_01.04VFlud_Regulator".

OpenPlant_3D.01.04Valve Properties Table:

Name	Display Label	Type
DESIGNER	Designer	string
DEVICE_TYPE_CODE	Device Type Code	string
DIRECTION	Direction	string
DISTANCE_FROM_DOWNSTREAM_GIRTH_WELD	Distance From Downstream Grth Weld	double
DISTANCE_FROM_UPSTREAM_GIRTH_WELD	Distance From Upstream Grth Weld	double
DRY_WEIGHT	Dry Weight	double

PSDS Catalogue Property Map (from DEVICE_TYPE_CODE of VALVE in OpenPlant_3D...):

PropertyName	VLV_ID
IsValueToBeMapped	
ValueMapName	
ECEExpression	

OpenPlant_01.04VFlud_Regulator Properties Table:

Name	Display Label	Type	Priority	Default
LOWER_LIMIT_DESIGN_TEMPERATURE	Lower Limit Design Temperature	double		
MANUFACTURER	Manufacturer	string	97	op.DEVI
MATERIAL	Material	string	98	op.DEVI
MODEL	Model	string	96	op.DEVI
NAME	Tag Number	string	100	
NOMINAL_DIAMETER	Nominal Diameter	double		op.PIP

Category (from NAME of FLUID_REGULATOR in OpenPlant_Supplemental_Tagging.01.04):

Standard	0
Name	GENERAL
DisplayLabel	General Info
Description	General Properties
Priority	1
Expand	

Calculated ECEProperty Specification (from NAME of FLUID_REGULATOR in OpenPlant_Su...):

ECEExpression	this.DEVICE_TYPE_CODE & this.NUMBER
Failure value	Valve
Failure regular expression	"{?DEVICE_TYPE_CODE>.*}{?NUMBER>.*}{?NUMBER>.*}"
Is calculated as default value only	False
Use the last valid value on failure	True
Required ECEExpression Symbols	

Items Window:

SPDDL_NO	1
SRC_CODE	AMSRUL
STNDRD	EDS
SYSTEM	FDL
TAG	AA021
TMATRIX	
V_REIHE	
VLV_TYPE	
VLV_ID	AA
VLV_MTL	
VLV_NO	Z1
VLV_PATT	
VLV_TRN	
VLV_TYPE	BALL

Succes?

- Check object into OPMS
- Run an iso
- Job done!

