



3D SymbolDesigner

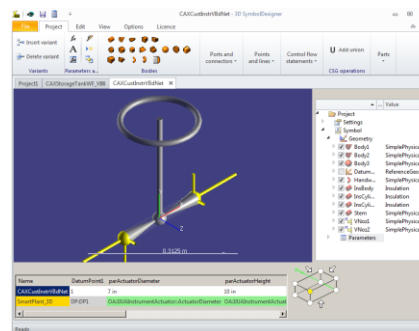
Use Case 1: Create piping symbols (on-the-fly instruments)

CHALLENGE

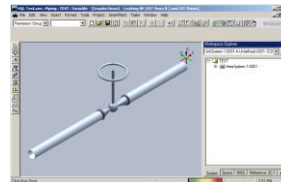
Creation of a piping symbol that cannot be found in the available piping symbols delivered with the standard Intergraph installation of Smart 3D

WORKFLOW STEPS

1. Arrange objects in GUI



2. Parameterise objects
3. Export symbol
4. Load/distribute exported data
5. Place symbol



SOLUTION

- Simple creation of parametric piping symbols using different object types (bodies, ports and connectors, parameters)
- Extraction of all necessary data including symbol definition (Visual Basic B6 or VB .Net), bulkload file (requires some modifications for piping symbols), documentation, symbol icon (snapshot of **3D SymbolDesigner** graphic)
- The part using the symbol definition can be placed after some standard procedures (publish symbol on symbol share, load bulkload file with Intergraph bulkload utility)

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Contact & information:

CAXperts GmbH
P.: +49 89 96 97 72 0

Carl-Zeiss-Ring 4
85737 Ismaning – Germany

www.caxperts.com/3dsd
info@caxperts.com

