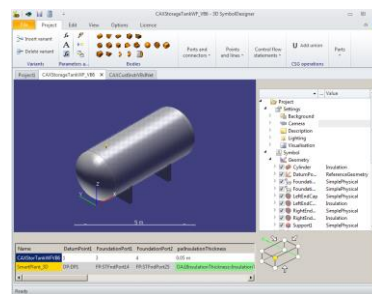# 3D SymbolDesigner
Use Case 2: Create equipment symbols with user defined forms
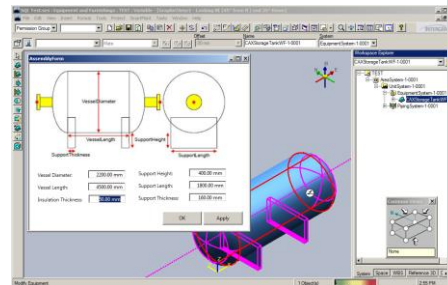
CHALLENGE

Creation of an equipment symbol with user defined form.

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 equipment symbol by using of different object types (bodies, ports and connectors, parameters)
- Extraction of all necessary data including symbol definition (VB6 or VB.Net), template for the user defined form, bulkload file (adapt attribute FormDefinition to assign the user defined form), documentation, symbol icon (snapshot of **3D SymbolDesigner** graphic)
- The equipment using the symbol definition can be placed after some standard procedures (publish symbol definition and user defined form on symbol share, load bulkload file with Intergraph Bulkload utility)

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