



SpecXpert

Use Case 1: Extract bulkload files from Smart 3D catalogue

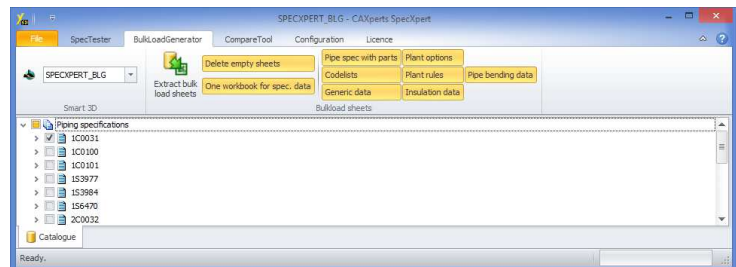
CHALLENGE

The piping bulkload files are missing but the Smart 3D piping catalogue data has to be examined and modified because of piping data revisions (pipe spec, piping parts, generic data, plant rules ...)

Reuse of existing Intergraph Smart 3D piping catalogue data in another Smart 3D catalogues or reuse as the basis for As-Built modifications without changing the data in the internal material management system (e.g. valve operator dimensions in SmartPlant ReferenceData).

WORKFLOW STEPS

1. Select a Smart 3D Project



2. Select a spec
3. Select the options
4. Press Extract button

SOLUTION

- Extraction of piping bulkload files out of the Intergraph Smart 3D catalogue
- Getting the real content of the Smart 3D catalogue
- Getting loadable bulkload files
- In addition:
 - Extract for different Smart 3D versions
 - All sheets with a correct formatting

About CAXperts

Our mission is to improve the productivity of our clients by simplifying key tasks and processes. To achieve this we use our detailed knowledge of engineering systems and work processes to deliver engineered efficiency. Learn more at www.caxperts.com

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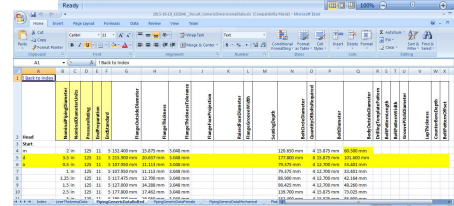
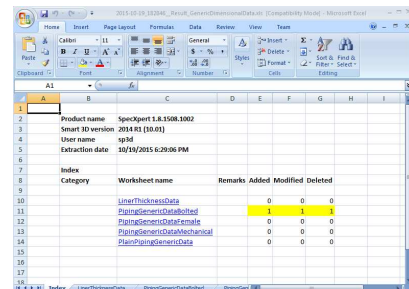
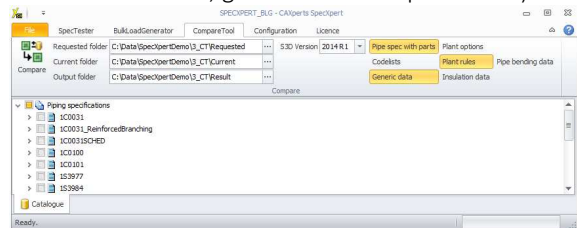
Use Case 2: Create delta bulkload files by comparison of bulkload files from various sources

CHALLENGE

Synchronise piping catalogue data in an existing Smart 3D catalogue with bulkload files delivered by an internal piping material management system (e.g. first synchronisation between standard Intergraph Smart 3D catalogue (CatalogDB.dat/.dmp) and first export out of SmartPlant ReferenceData for codelists, generic data and plant rules).

WORKFLOW STEPS

1. Select folders
2. Select Smart 3D version
3. Select the options
4. Press Compare button



SOLUTION

- Use two existing sets (current and requested status) of bulkload files from various sources (manually written, exported from SmartPlant Reference Data, exported from in-house material management systems or extracted from the Smart 3D catalogue using SpecXpert, etc.)
- The result of the comparison is/are delta-bulkload file(s) that can be used to synchronise the Smart 3D catalogues: the delta-bulkload file contains A-M-D (add, modify, delete) rows and can be loaded by the Intergraph Bulkload Utility

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