



SpecXpert

SpecXpert is a collection of tools to handle piping catalogue data in Intergraph Smart 3D.

It contains functions to re-create bulkload files from an existing catalogue, to compare bulkload files from different sources or different versions of sources. Additionally a placement test tool (SpecTester) is included.

FOR USE WITH

Intergraph

- Smart™ 3D
- Smart™ 3D with SmartPlant Reference Data

Microsoft

- Excel®

CAXperts SpecXpert

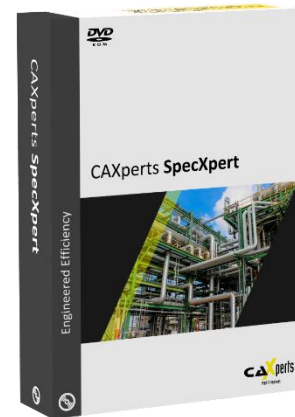
GENERATION OF BULKLOAD FILES

Extraction of all piping related bulkload files directly from the Smart 3D catalogue database to Microsoft Excel®.

COMPARISON OF BULKLOAD DATA & CATALOGUE DATA

Comparison of different versions of bulkload files or Smart 3D catalogues.

Creation of delta-bulkload-files which can be used for the synchronisation of Smart 3D catalogue(s).



PIPE SPEC VALIDATION

Placement of all components of one or more pipe specs in a selected Smart 3D plant.

Head Start	SpecName	ShortCode	OptionCode	FirstSizeFrom	FirstSizeTo	FirstSizeUnits	SecondSizeFrom	SecondSizeTo	SecondSizeUnits	MultisizeOption	Comments	SelectionBasis	FluidCode	JacketedPipingBasis	MaximumTemperature	MinimumTemperature	EngineeringTag	CommodityCode	FabricationCategoryOverride	SupplyResponsibilityOverride	FirstSizeSchedule	SecondSizeSchedule	ReportableCommodityCode	QuantityOfReportableParts	AssociatedCommodityCode
	1C0031 Piping		1	0.5	0.5 in							1						PAAZZBPZZABAABSAAZZUS							
	1C0031 Piping		1	0.8	1.5 in							1						PAAZZBPZZABAABSAAZZUS			S-XS				
	1C0031 Piping		1	2	24 in							1						PAAZZBZZABAABOAAZZUS			S-STD				
	1C0031 Piping		1	26	36 in							1						PAAZZBZZABAABOAAZZUS			ASME B31.3				
	1C0031 Paddle Blind		1	14	24 in							1						MADAHAZZABPAEHYUS							
	1C0031 Paddle Blind		1	30	36 in							1						MADAHAZZADYAEHYUM							

BENEFITS

- **Simple to use**
Just a few clicks to create or compare bulkload files and to place parts of selected pipe spec(s) in a Smart 3D plant.
- **Pipe spec accuracy**
100% data consistency between extracted bulkload files and Smart 3D catalogue.
- **Pipe spec quality check**
Comprehensive quality assurance check for all parts of Smart 3D pipe specs.
- **Pipe spec data reuse**
Reuse of exported and modified bulkload files. Flexible transfer of pipe specs to other Smart 3D catalogues or to partners and suppliers.

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