

CAXperts

Plant IT-Solutions

CopyMoveRotate for PDS®

Features:

- Automated copy, translation and rotation of models and drawings
- Editing of piping and EQP attributes via Excel
- Consideration of non-PDS-models during translation and rotation; preservation of FrameWorks views
- Search and replace in dgn files
- Extensive reporting

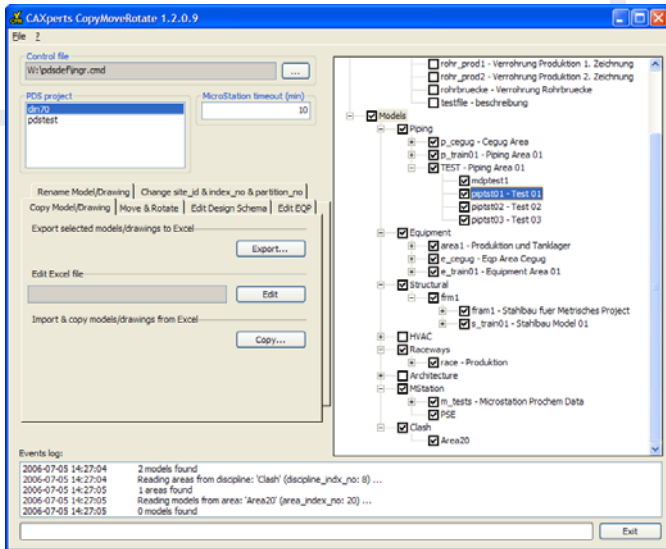
Benefits:

- Fast duplication of whole design areas and sub-projects
- Trouble-free translation of whole projects to a new location
- Simple consolidation of all piping and EQP attributes
- Easy handling of large projects by a concise tree view
- Significant saving of time by a high level of automation



CopyMoveRotate Copy with Excel

CopyMoveRotate makes it possible to swiftly copy PDS models and drawings. Out of a user-friendly GUI even very large projects can be handled in a concise way.



Source				Destination						
Discipline name	Area name	Area description	Model name	Model description	Sheet	Area name	Area description	Model name	Model description	Sheet
Equipment	a_cogug	Cog Area Cogug	a_cogug	ESF Cogug Model		a_cogug	Cog Area Cogug	a_cogug	ESF Cogug Model	
Piping	Clash_Test	CopyMove Rotate	a_cogug	xxxxxx		Clash_Test	CopyMove Rotate	a_cogug	xxxxxx	
Piping	Clash01	Testarea Clash PDS ig_clash01	Clashmodel 3 PDS CLASSIC	Clash01		Testarea Clash PDS ig_clash01	Clashmodel 3 PDS CLASSIC	Clash01	Testarea Clash PDS ig_clash01	
Piping	Clash02	Testarea Clash PDS ig_clash02	Clashmodel 4 PDS CLASSIC	Clash02		Testarea Clash PDS ig_clash02	Clashmodel 4 PDS CLASSIC	Clash02	Testarea Clash PDS ig_clash02	
Piping	Clash03	Testarea for Clashing ig_clash03	Clash03			Testarea for Clashing ig_clash03	Clash03		Testarea for Clashing ig_clash03	
Piping	Clash04	Testarea for Clashing ig_clash04	Clash04			Testarea for Clashing ig_clash04	Clash04		Testarea for Clashing ig_clash04	
Piping	TEST	Test Area	midtest1			TEST	Test Area	midtest1		
Piping	TEST	Test Area	a_clash1	Testmodel Clash		TEST	Test Area	a_clash1	Testmodel Clash	
Piping	TEST	Test Area	a_clash2	Testmodel 2 Clash		TEST	Test Area	a_clash2	Testmodel 2 Clash	
Piping	TEST	Test Area	page01	Test 01		TEST	Test Area	page01	Test 01	
Piping	TEST	Test Area	page02	Test 02		TEST	Test Area	page02	Test 02	
Piping	TEST	Test Area	page03	Test 03		TEST	Test Area	page03	Test 03	

CopyMoveRotate PDS stays in the Background

For the translation solely distances have to be defined and for the rotation only a pivot point and angle is needed. All selected models will be moved to the desired location. In addition to an extensive reporting the processed models will be colour tagged. In case of an access problem (locked or broken model) the model will be skipped and reported after the selected time-out period has elapsed.

CopyMoveRotate Functionality endures

When FrameWorks models are moved or rotated not only the graphics of the model is moved but also the views will be adjusted according to the new coordinates. In case of moving PDS drawings a good portion of manual rework will be

System attributes - do NOT change!										User attributes	
Area	Area description	Model	Model description	partition_no	system_unique_no	insulation_purpose	insulation_thick	line_id	line_seqe		
p_cogug	Cogug Area	p_cogug	Piping for COGUG	10	0242001			0	0	UC2001-A 001	
p_cogug	Cogug Area	p_cogug	Piping for COGUG	10	0242002			0	0	UC2002-A 002	
p_cogug	Cogug Area	p_cogug	Piping for COGUG	10	0242002			1	1	UC1001-A0002	
p_cogug	Cogug Area	p_cogug	Piping for COGUG	10	0242003			1	1	UC1001-A0001	
p_cogug	Cogug Area	p_cogug	Piping for COGUG	10	0242002			1	1	UC1002-A0002	
p_cogug	Cogug Area	p_cogug	Piping for COGUG	10	0242002			1	1	UC1003-A0003	
p_cogug	Cogug Area	p_cogug	Piping for COGUG	10	0242002			1	1	UC1004-A0004	
p_cogug	Cogug Area	p_cogug	Piping for COGUG	10	0242002			2	2	UC1003-Y 001	
p_cogug	Cogug Area	p_cogug	Piping for COGUG	10	0242002			2	2	UC1003-Y 002	
p_cogug	Cogug Area	p_cogug	Piping for COGUG	10	0242002			2	2	UC1003-Y 003	
p_cogug	Cogug Area	p_cogug	Piping for COGUG	10	0242002			2	2	UC1003-Y 004	
p_cogug	Cogug Area	p_cogug	Piping for COGUG	10	0242002			2	2	UC1003-Y 009	

CopyMoveRotate Consolidation of main attributes

Copied models mostly need a change of attributes (Line_ID, EQP Name,...). For Piping, a set of attributes of the data to change can be freely defined and exported to Excel. In Excel, the attributes can be changed and reloaded into the project. In the same manner the attributes of every equipment in the design files can be verified and — if applicable — changed, a feature that can save a lot of time.

CopyMoveRotate Move & Rotate of Non-PDS models

CopyMoveRotate can translate MicroStation models which are not included in a PDS project. These models can be loaded into a list by drag & drop.

Contact & information

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