

That's me?



That's me.



Die ASING PlantConfig Pro.

Der Aufbau eines flexiblen Setups für AutoCAD P&ID und Plant 3D

Kapitel 1/6

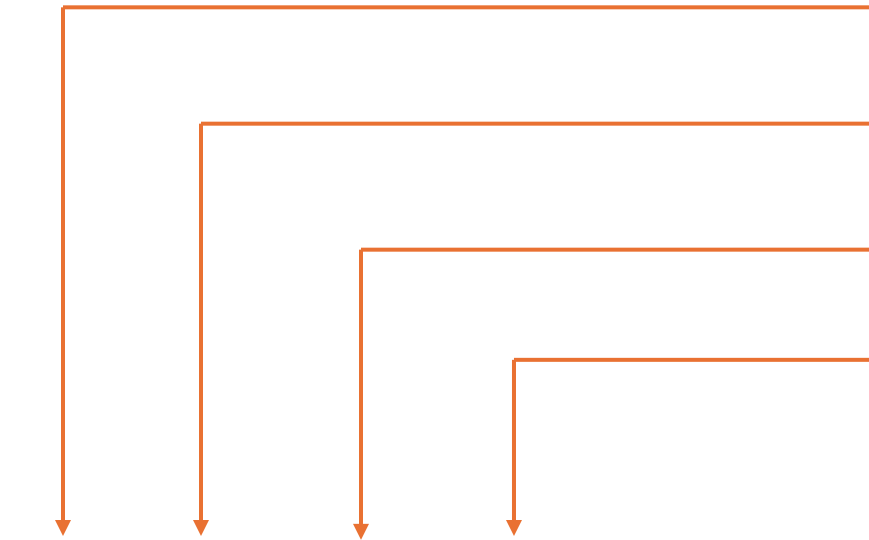
Die häufigsten Anforderungen.

ISO 10628.



Beispiel: P001 – Pumpe 1

AKS.

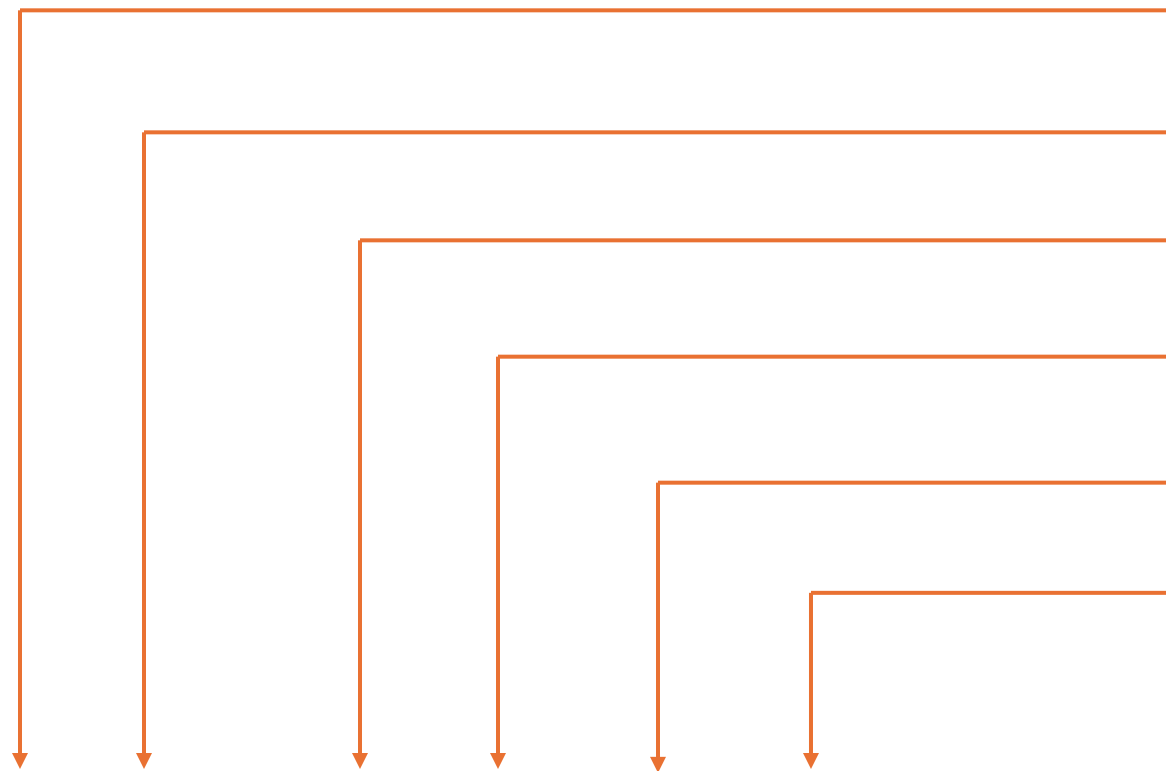


AANN ANNN

System
Nummer
Typ
Nummer

Beispiel: TH41 P001 - Nachkühlsystem 41 Pumpe 1

KKS.



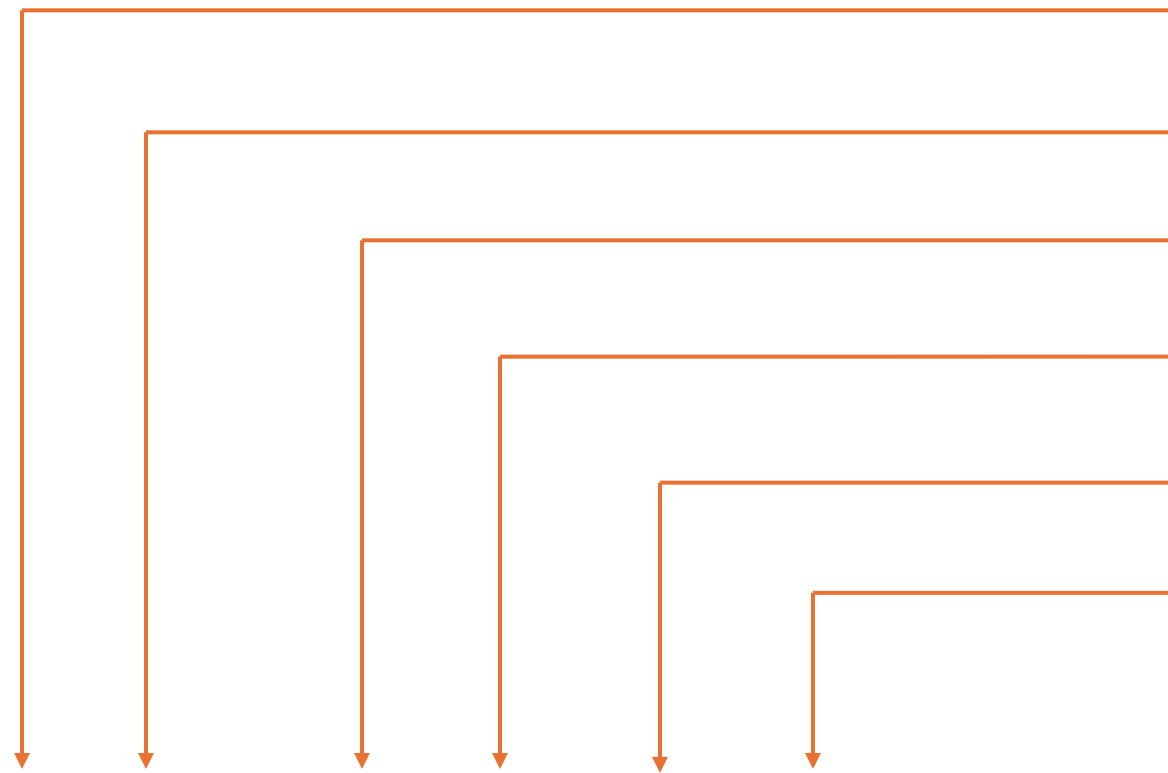
Anlage
Anlagenteil
System
Nummer
Typ
Nummer

A*N* AAANN AANNN

Beispiel: 0330 10LAD60AC001 – Kraftwerk 0330 Block 10

Speisewasser Vorwärmung 60 HD-Vorwärmer 1

RDS-PP.



Hauptsystem

Nummer

Teilsystem

Nummer

Typ

Nummer

ANN AAANN AANNN

Beispiel: C01 MDY10 QA001 – Anlage C1 Turbine MDY 10 Bauteil QA 1

Kapitel 2/8

It all comes down to this.

It all comes down to this.

Wieviel Stellen hat das Tag-Format?

Kapitel 3/8

Die Einstellungen in der Konfig.

Die Einstellungen.

Project Setup

General Settings

- Database Setup
- Drawing Properties
- File Name Format
- Paths
- Project Details
- Reports
- Shared Plant Content

P&ID DWG Settings

- Display Settings
- Line Settings
- Export and Import Settings
- Data Manager Configuration

P&ID Class Definitions

- Engineering Items
 - Equipment
 - Inline Assets
 - Instrumentation
 - Lines
 - Nozzles
- Non Engineering Items
 - Pipe Line Group
 - Signal Line Group
- P&ID Painter Settings
- Pipe Specs in P&ID

Plant 3D DWG Settings

- Isometric DWG Settings
- Ortho DWG Settings

Class settings: Equipment

Symbol

No preview available

Add Symbols...

Edit Symbol...

Remove Symbol...

Edit Block...

Add to Tool Palette...

Properties

Property Name	Property Description	Display Name	Default Value	Property Type	Acquisition	Read Only	Visible
*ClassName	System property whic...	Class Name	Equipment	String	None	☒	☒
*Description		Description	EQUIPMENT	String	None	☐	☒
*Manufacturer		Manufacturer		String	None	☐	☒
*ModelNumber		Model Number		String	None	☐	☒
*Supplier		Supplier		String	None	☐	☒
*Comment		Comment		String	None	☐	☒
*Status	System property whic...	Status	New	List	None	☐	☒
*ParamOnLine		ParamOnLine		String	None	☐	☐
*Level01		Level01		String	None	☐	☒
*Level01List		Level01List		List	None	☐	☒
*Level02		Level02		String	None	☐	☒
*Level02List		Level02List		List	None	☐	☒
*Level03		Level03		String	None	☐	☒
*Level03List		Level03List		List	None	☐	☒

Add...

Map...

Edit...

Remove

Tag format

Equipment Tag [Level01-06]

Equipment Tag [Level02-06]

Equipment Tag [Level03-06]

Equipment Tag [Level04-06]

Equipment Tag [Level05-06]

New...

Modify...

Delete

Annotation

Equipment Tag

Add Annotation...

Edit Annotation...

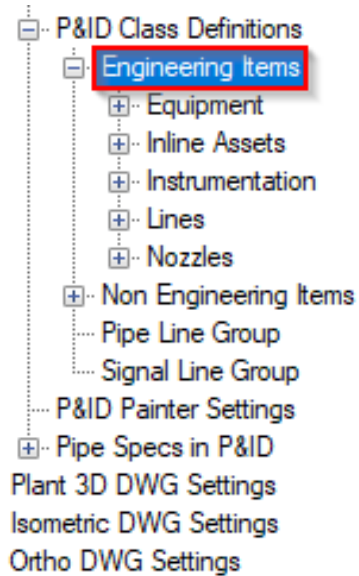
Remove Annotation...

Edit Block...

#<Equipment.Tag>

Apply OK Cancel Help

Die Einstellungen.



Property Name	Property Description	Display Name	Default Value	Property Type
Status	System property whic...	Status	New	List
ParamOnLine		ParamOnLine		String
Level01		Level01		String
Level01List		Level01List		List
Level02		Level02		String
Level02List		Level02List		List
Level03		Level03		String
Level03List		Level03List		List
Level04		Level04		String
Level04List		Level04List		List
Level05		Level05		String
Level05List		Level05List		List
Level06		Level06		String
AnnotationStyleName			Oval Tag Style	Annotation

Tag format Annotation

Die Einstellungen.

[-] P&ID Class Definitions
[-] Engineering Items
[-] Equipment
[-] Inline Assets
[-] Hand Valves
[-] Piping Fittings
[-] Piping Specialty Items
[-] Reducers
[-] Instrumentation
[-] Lines
[-] Pipe Line Segments
[-] Signal Line Segments
[-] Nozzles
[-] Non Engineering Items
Pipe Line Group
Signal Line Group
[-] P&ID Painter Settings
[-] Pipe Specs in P&ID
Plant 3D DWG Settings
Isometric DWG Settings
Ortho DWG Settings

Property Name	Property Description	Display Name	Default Value	Property Type	Acquisition
*Supplier		Supplier		String	None
*Comment		Comment		String	None
*Status	System pro...	Status	Acquisition	List	Pipe Line Segments.Status
*ParamOnLine		ParamOnLine		String	None
*Level01		Level01	Acquisition	String	Pipe Line Segments.Level01
*Level01List		Level01List	Acquisition	List	Pipe Line Segments.Level01List
*Level02		Level02	Acquisition	String	Pipe Line Segments.Level02
*Level02List		Level02List	Acquisition	List	Pipe Line Segments.Level02List
*Level03		Level03	Acquisition	String	Pipe Line Segments.Level03
*Level03List		Level03List	Acquisition	List	Pipe Line Segments.Level03List
*Level04		Level04	Acquisition	String	Pipe Line Segments.Level04
*Level04List		Level04List	Acquisition	List	Pipe Line Segments.Level04List
*Level05		Level05		String	None
*Level05List		Level05List		List	None
*Level06		Level06		String	None
*Size	System pro...	Size	Acquisition	List	Pipe Line Segments.Size

*Location		Location	Acquisition	String	Pipe Line Segments.Tag
-----------	--	----------	-------------	--------	------------------------

Die Einstellungen.

Tag format		Annotation	
Equipment Tag [Level01-06] Equipment Tag [Level02-06] Equipment Tag [Level03-06] Equipment Tag [Level04-06] Equipment Tag [Level05-06]	New...	Equipment Tag	Add Annotation...
	Modify...	#<Equipment.Tag>	Edit Annotation...
	Delete		Remove Annotation...
			Edit Block...

Die Einstellungen - Plant 3D.

Plant 3D DWG Settings

- Export and Import Settings
- Data Manager Configuration
- Layer and Color Settings
- Piping Connection Settings
- Pipe Bend Settings
- P&ID Object Mapping
- Plant 3D Class Definitions**
 - P3d Line Group**
 - Piping and Equipment
 - Pulled Pipe Bend
 - Steel Structure
- Spec Update Settings
- Isometric DWG Settings
- Ortho DWG Settings

Property Name	Property Description	Display Name	Default Value	Property Type	Acquisition	Re
Level01		Level01		String	None	
Level01List		Level01List		List	None	
Level02		Level02		String	None	
Level02List		Level02List		List	None	
Level03		Level03		String	None	
Level03List		Level03List		List	None	
Level04		Level04		String	None	
Level04List		Level04List		List	None	
Level05		Level05		String	None	
Level05List		Level05List		List	None	
TagFormatName			Line Number	Tag Format		

Tag format

- Line Number
- Level01-06 P3D
- Level02-06 P3D
- Level03-06 P3D
- Level04-06 P3D
- Level05-06 P3D

New...
Modify...
Delete

Ortho Annotation Setup

No preview available

Die Einstellungen - Plant 3D.

Project Setup

- General Settings
 - Database Setup
 - Drawing Properties
 - File Name Format
 - Paths
 - Project Details
 - Reports
 - Shared Plant Content
- P&ID DWG Settings
 - Plant 3D DWG Settings
 - Export and Import Settings
 - Data Manager Configuration
 - Layer and Color Settings
 - Piping Connection Settings
 - Pipe Bend Settings
 - P&ID Object Mapping
 - Plant 3D Class Definitions
 - P3d Line Group
 - Piping and Equipment
 - Pulled Pipe Bend
 - Steel Structure
 - Spec Update Settings
- Isometric DWG Settings
- Ortho DWG Settings

P&ID Object Mapping

P&ID Classes

- Engineering Items
- Non Engineering Items
- Pipe Line Group**
- Signal Line Group

Plant 3D Classes

Pipe Line Group

No Image

Plant 3D Class Mappings

P3d Line Group

Add... Edit... Delete

Property Mapping

P&ID Property	Plant 3D Property	Validate select all none
Line Number	Number	☐
Description	Description	☐
Service	Service	☒
Nominal Size	Nominal Size	☒
Nominal Spec	Nominal Spec	☒
Comment	Comment	☐
Status	no mapping	☐
Level01	Level01	☒
Level01List	Level01List	☒
Level02	Level02	☒
Level02List	Level02List	☒
Level03	Level03	☒
Level03List	Level03List	☒
Level04	Level04	☒
Level04List	Level04List	☒
Level05	Level05	☒
Level05List	Level05List	☒

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ISO.

ISO.

Properties							
Property Name	Property Description	Display Name	Default Value	Property Type	Acquisition	Read Only	Visible
Status	System property...	Status	New ▾	List	None	☐	☒
ParamOnLine		ParamOnLine		String	None	☐	☐
Level01		Level01		String	None	☐	☐
Level01List		Level01List	▾	List	None	☐	☐
Level02		Level02		String	None	☐	☐
Level02List		Level02List	▾	List	None	☐	☐
Level03		Level03		String	None	☐	☐
Level03List		Level03List	▾	List	None	☐	☐
Level04		Level04		String	None	☐	☐
Level04List		Level04List	▾	List	None	☐	☐
Level05		Typ		String	None	☐	☒
Level05List		Level05List	▾	List	None	☐	☐
Level06		Nummer		String	None	☐	☒

ISO.

AnnotationStyle...		Equipment Tag	Annotation		
Substitution		False	Boolean		
SupportedStan...		14	Bitwise Flag		
DisplayName		Equipment	String		
GraphicalStyleN...			Graphical		
TagFormatName		Equipment Tag [Level05-06]	Tag Format		

Tag format

Equipment Tag [Level01-06]
Equipment Tag [Level02-06]
Equipment Tag [Level03-06]
Equipment Tag [Level04-06]
Equipment Tag [Level05-06]

New...
Modify...
Delete

Annotation

Equipment Tag

#<Equipment.Tag>

Add Annotation...
Edit Annotation...
Remove Annotation...
Edit Block...

ISO.

The screenshot displays a software interface with a properties panel on the left and a P&ID diagram on the right.

Properties Panel (ACPPASSET):

- General:**
 - Color: ByLayer
 - Layer: Mechanical
 - Linetype: ByBlock
 - Linetype scale: 1
 - Plot style: ByColor
 - Lineweight: ByLayer
 - EntityTransparency: ByLayer
 - Hyperlink:
- P&ID:**
 - Class: Gate Valve
- Tag:**
 - Tag: V-001
- Styles:**
 - Graphical style: ISO Gate Valve
- General (Expanded):**
 - PnPGuid: 13f6bd31-0110-4d0e-bcfd-0ce8186b...
 - Description: GATE VALVE
 - Manufacturer:
 - Model Number:
 - Supplier:
 - Comment:
 - Status: New
 - Type: V
 - Nummer: 001
 - Size: 100
 - Spec: 10HS01
 - Location: 1001-DW-100
 - Valve Code:
 - Normally: NO
 - Failure:
 - End Connections: Unspecified

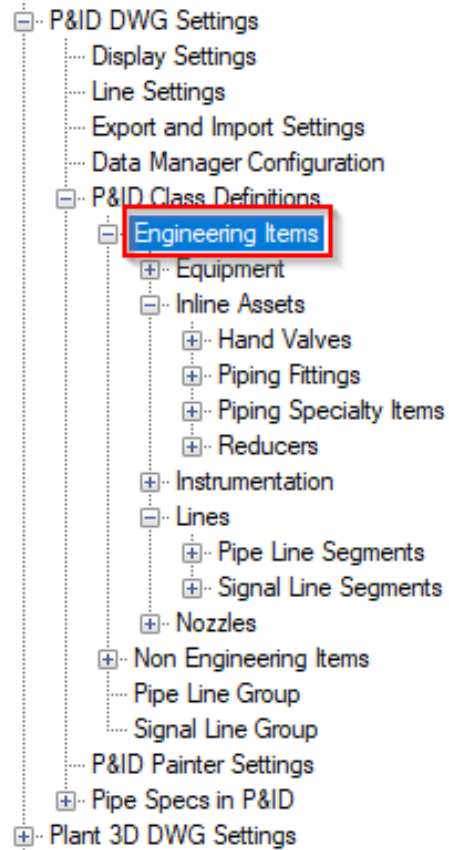
P&ID Diagram:

The diagram shows a process flow with a tank labeled B-001 connected to a valve labeled V-001. The pipe connecting them is labeled 1001-DW-100. The valve symbol is a blue butterfly valve with a blue square in the center.

Kapitel 5/8

Umstellen auf AKS.

Umstellen auf AKS.



A screenshot of a 'Properties' table in a software interface. The table has columns: Property Name, Property Description, Display Name, Default Value, Property Type, Acquisition, Read Only, and Visible. The 'Display Name' and 'Visible' columns are highlighted with red boxes. The table contains 13 rows of data.

Property Name	Property Description	Display Name	Default Value	Property Type	Acquisition	Read Only	Visible
ParamOnLine		ParamOnLine		String	None	☐	☐
Level01		Level01		String	None	☐	☐
Level01List		Level01List		List	None	☐	☐
Level02		Level02		String	None	☐	☐
Level02List		Level02List		List	None	☐	☐
Level03		System		String	None	☐	☒
Level03List		Level03List		List	None	☐	☐
Level04		Systemnummer		String	None	☐	☒
Level04List		Level04List		List	None	☐	☐
Level05		Typ		String	None	☐	☒
Level05List		Level05List		List	None	☐	☐
Level06		Nummer		String	None	☐	☒

Umstellen auf AKS.

P&ID DWG Settings

- Display Settings
- Line Settings
- Export and Import Settings
- Data Manager Configuration
- P&ID Class Definitions**
 - Engineering Items**
 - Equipment**
 - Inline Assets
 - Hand Valves
 - Piping Fittings
 - Piping Specialty Items
 - Reducers
 - Instrumentation
 - Lines
 - Pipe Line Segments
 - Signal Line Segments
 - Nozzles
 - Non Engineering Items
 - Pipe Line Group
 - Signal Line Group
- P&ID Painter Settings

→

Area	Area	Acquisition	
AnnotationStyle...		Equipment Tag	Annotation
Substitution		False	Boolean
SupportedStand...		14	Bitwise Flag
DisplayName		Equipment	String
GraphicalStyleN...			Graphical
TagFormatName		Equipment Tag [Level05-06]	Tag Format

Tag format

- Equipment Tag [Level01-06]
- Equipment Tag [Level02-06]
- Equipment Tag [Level03-06]
- Equipment Tag [Level04-06]
- Equipment Tag [Level05-06]

Modify...
Delete...

Inkl. Trennzeichen im Tag-Format und Plant 3D Tags ebenfalls anpassen

10:30

LTE

04:18,98

Löschen



Weiter

Runde 1

04:18,98



Weltuhr



Wecker



Stoppuhr



Timer



CONTELOS-SEITZ
CONSULTING GMBH

Umstellen auf AKS.

ACPPASSET

General

- Color: ☐ ByLayer
- Layer: Mechanical
- Linetype: ByBlock
- Linetype scale: 1
- Plot style: ByColor
- Lineweight: ByLayer
- Entity/Transparency: ByLayer
- Hyperlink:

P&ID

- Class: Gate Valve

Tag

- Tag: CH01 V001

Styles

- Graphical style: ISO Gate Valve

General

- PnPGuid: ce2f8d54-db65-44f2-857b-8c47504d...
- Description: GATE VALVE
- Manufacturer:
- Model Number:
- Supplier:
- Comment:
- Status: New
- System: CH
- Systemnummer: 01
- Typ: V
- Nummer: 001
- Size: 100
- Spec: 10HS01
- Location: CH01 RL001 FW 100
- Valve Code:
- Normally: NO
- Failure:
- End Connections: Unspecified

Diagram:

CH01 B001

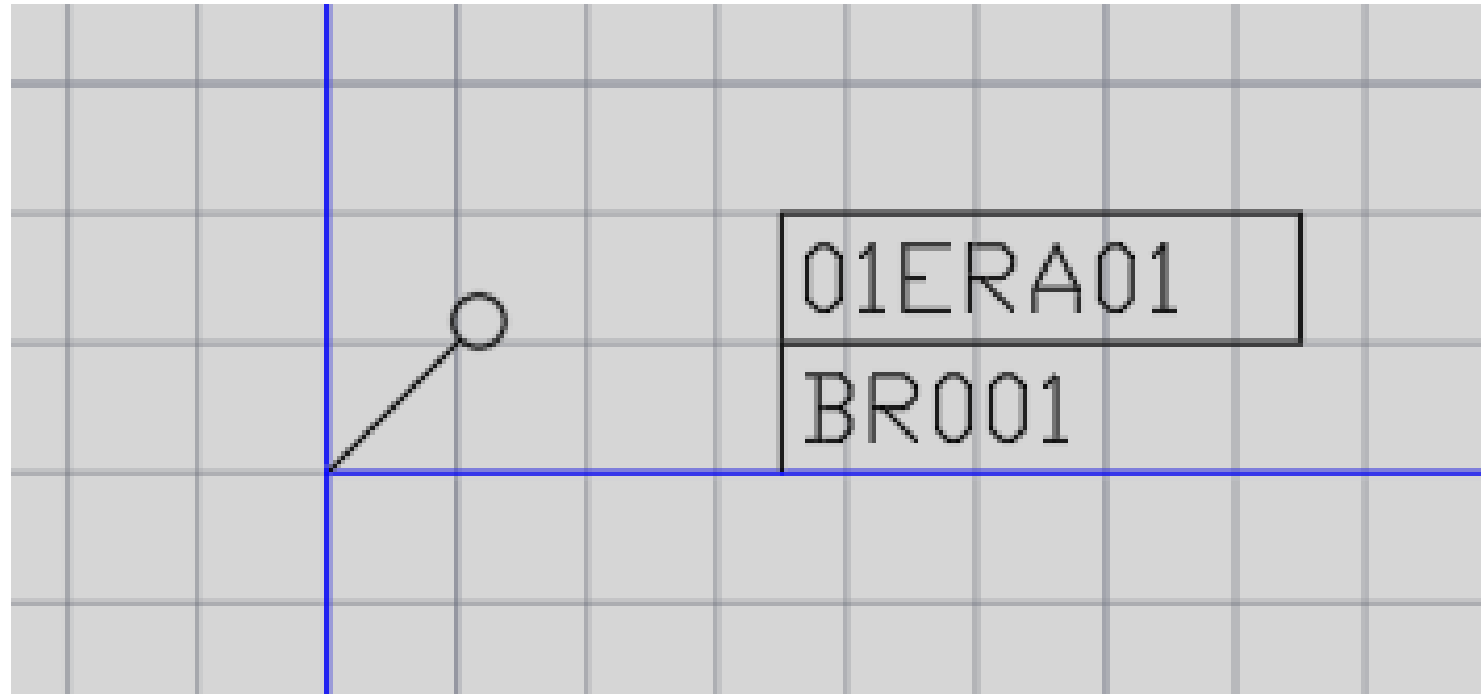
CH01 RL001 FW 100

CH01 V001

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Spezielles.

Spezielles.

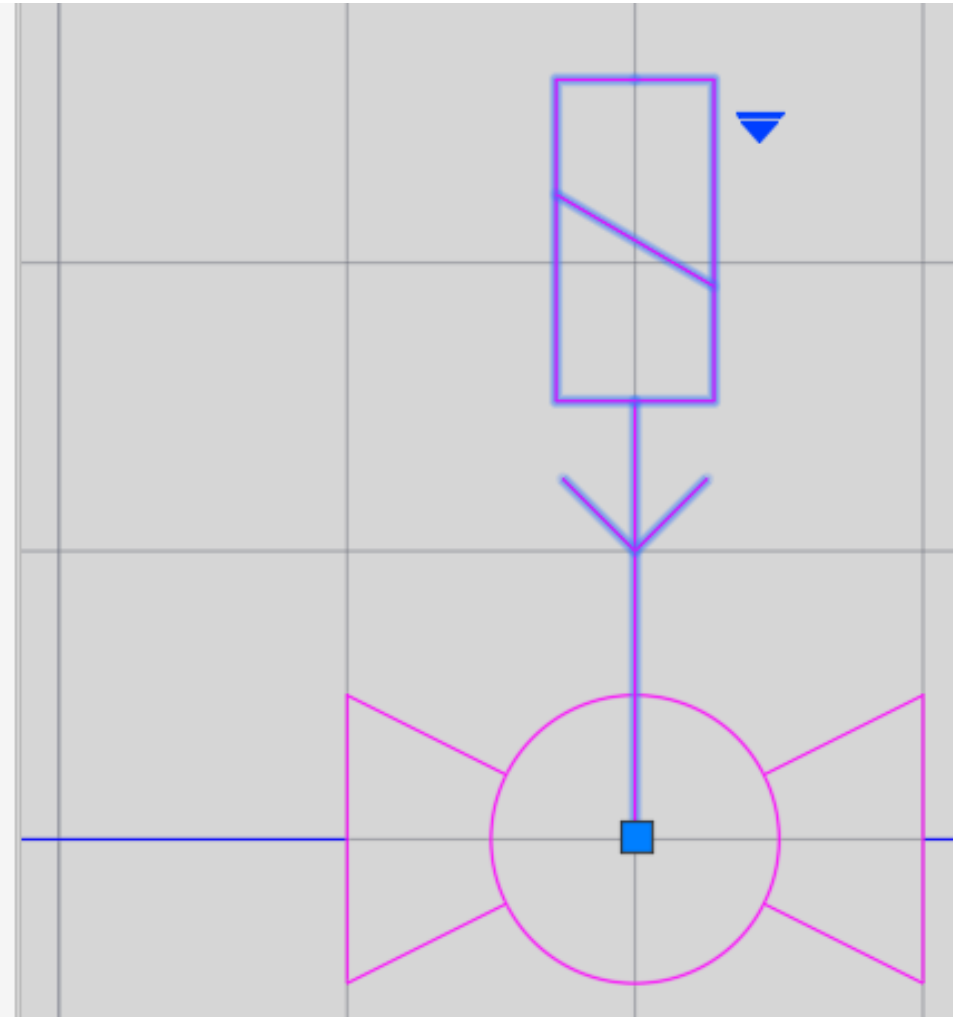


Spezielles.

01ERA01	01ERA01
BB001	BB001

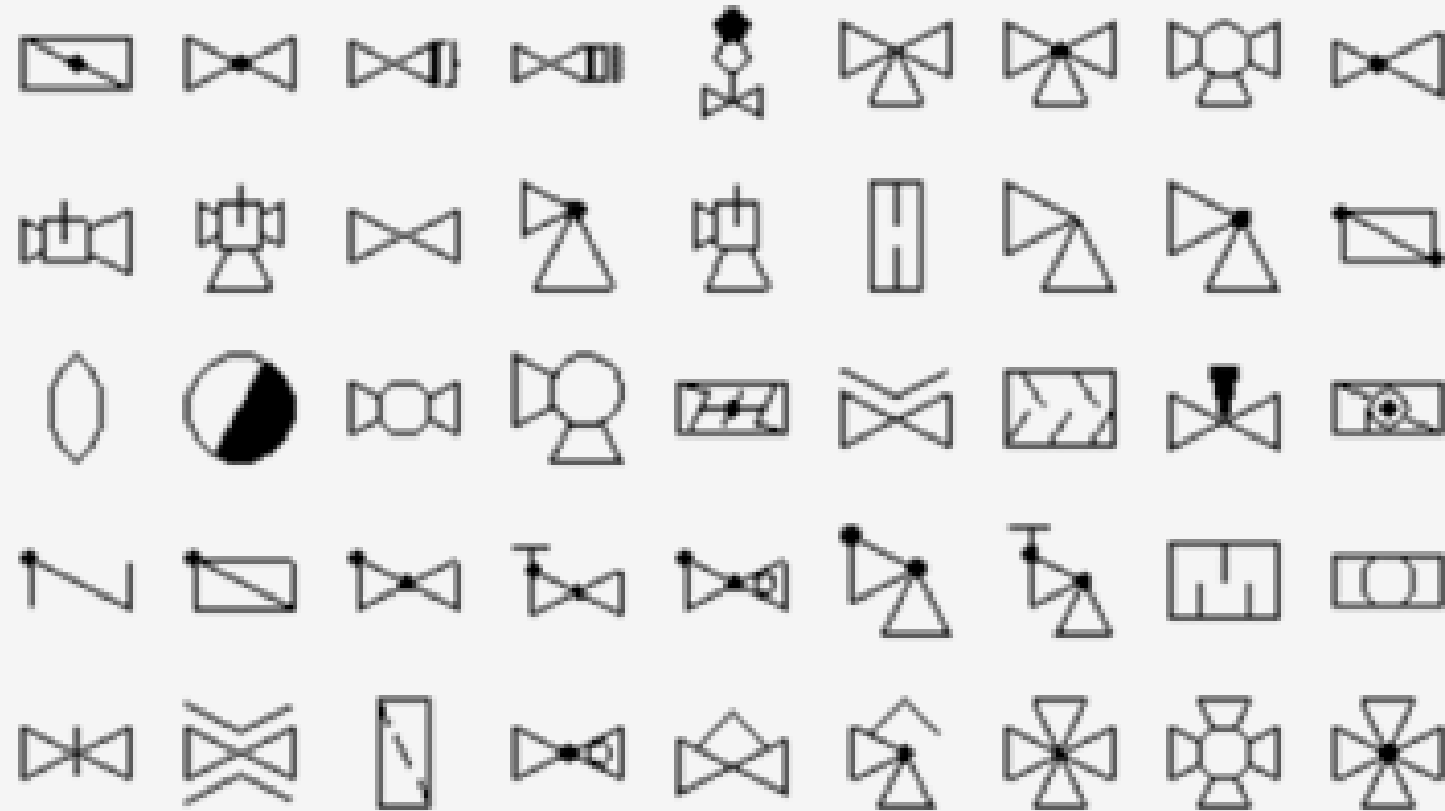
Spezielles.

Plotstil	VonFarbe
Linienstärke	—— VonLayer
EntityTransparency	VonLayer
Hyperlink	
P&ID	
Klasse	Solenoid
Stile	
Grafikstil	ISO Solenoid Actuator
Allgemein	
PnPGuid	cdf7d23f-0f18-4408-82d9-c95bcc72c6eb
Beschreibung	SOLENOID
Kommentar	
Sicherheitsstellung	schließend
Geometrie	
Position X	öffnend
Position Y	ohne
Position Z	schließend
Faktor X	schnell_öffnend
Faktor Y	schnell_schließend
Faktor Z	verbleibend
	verbleibend_öffnend
	verbleibend_schließend
Sonstiges	
Symbolname	Solenoid-schliessend



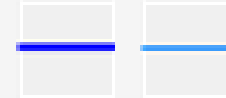
Spezielles.

Handventile

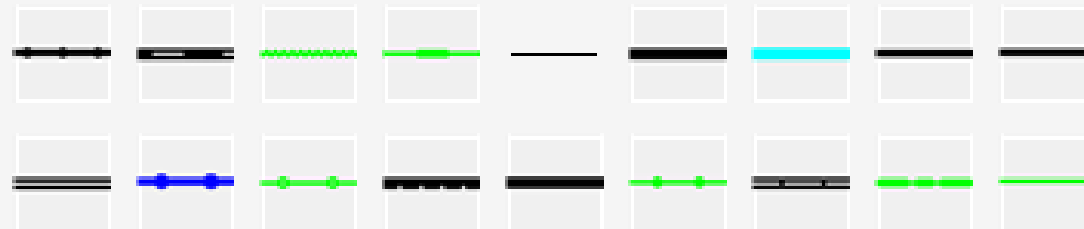


Spezielles.

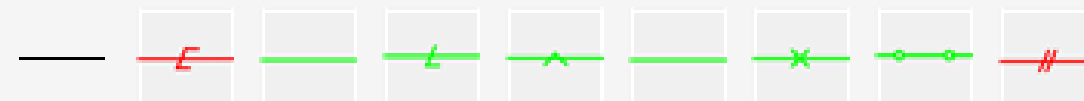
Primäre und sekundäre Leitungen



Rohrleitungssegmente



Signalleitungssegmente



Spezielles.

ACPPDYNAMICASSET

Allgemein

Farbe

VonLayer

Layer

Beschriftung

Linientyp

VonBlock

Linientypfaktor

1

Plotstil

VonFarbe

Linienstärke

VonLayer

EntityTransparency

VonLayer

Hyperlink

P&ID

Klasse

Schriftkopf

Stile

Grafikstil

Schriftkopf 1

Allgemein

PnPGuid

9c543053-6af5-4bb2-b8fb-b9a3cd6ae8a9

Beschreibung

Schriftkopf2

Kommentar

Geometrie

Position X

830.2063

Position Y

9.2063

Position Z

0

Faktor X

1

Faktor Y

1

Faktor Z

1

0	Ersterstellung	Heute	MN
Rev.	Änderung	Datum	Name
Projektnummer	A. Seitz Ingenieur GmbH Eckenheimer Landstr. 427 D-60435 Frankfurt am Main Tel.: 069-94507250, Fax: 069-945072510 www.seitz-ingenieure.de support@seitz-ingenieure.de		
Auftraggeber	A. Seitz Ingenieur GmbH		
Anlagenbezeichnung	Anlagenbezeichnung		
Anlagenbereich	Bereich	Projektname	AKZ_ASING_Plant_Vorlage
Zeichnungsnummer	0501	Projektbeschreibung	Zeile 2
Maßstab	none		
	Datum	Name	Zeichnungsname
	0815-RI-0501		
erstellt	Heute	Neugebauer	Beschreibung
geprüft	Morgen	Seitz	Beschreibung 2
Der Autor übernimmt keinerlei Gewähr für die Aktualität, Richtigkeit und Vollständigkeit der bereitgestellten Informationen. Haftungsansprüche gegen den Autor, welche sich auf Schäden materieller oder ideeller Art beziehen, die durch die Nutzung oder Nichtnutzung der gargebotenen Informationen bzw. durch die Nutzung fehlerhafter oder unvollständiger Informationen verursacht wurden, sind grundsätzlich ausgeschlossen, sofern seitens des Autors kein nachweislich vorsätzliches oder grob fahrlässiges Verschulden vorliegt.			
13	14	15	16

Befehl eingeben

Befehl eingeben

Befehl eingeben

Befehl eingeben

Befehl eingeben

Befehl eingeben

Befehl eingeben

Befehl eingeben

Befehl eingeben

Befehl eingeben

Befehl eingeben

Befehl eingeben

Befehl eingeben

Befehl eingeben

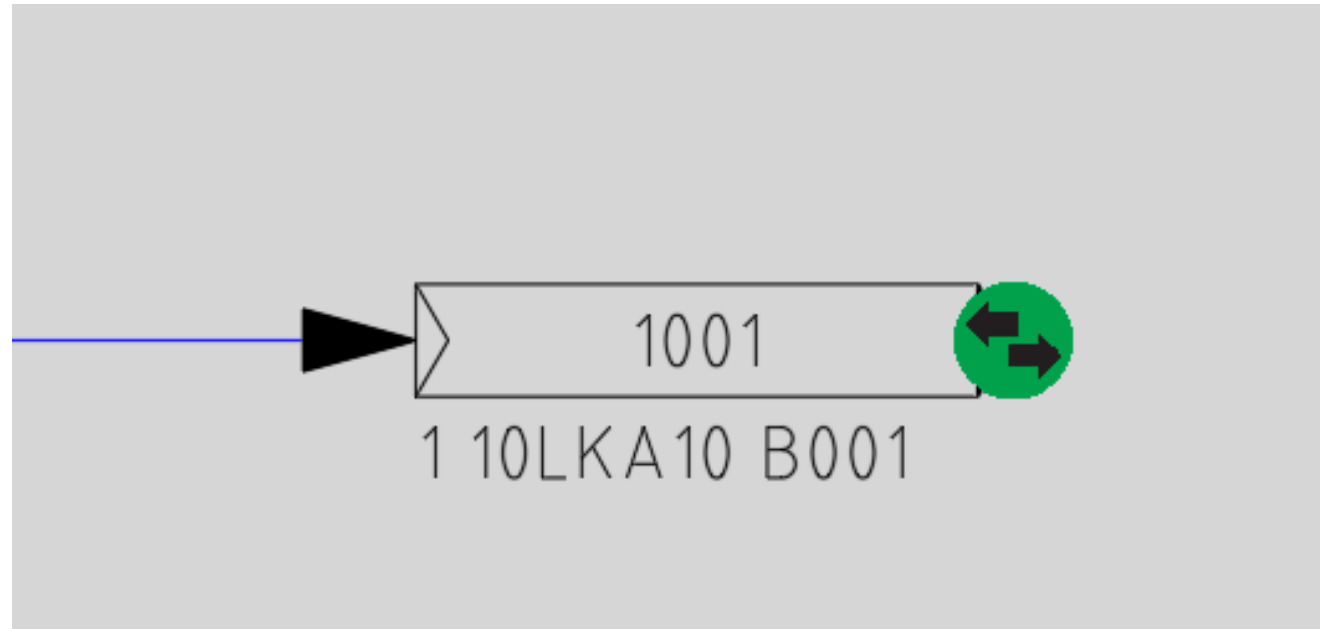
Befehl eingeben

Befehl eingeben

Befehl eingeben

Befehl eingeben

Spezielles.



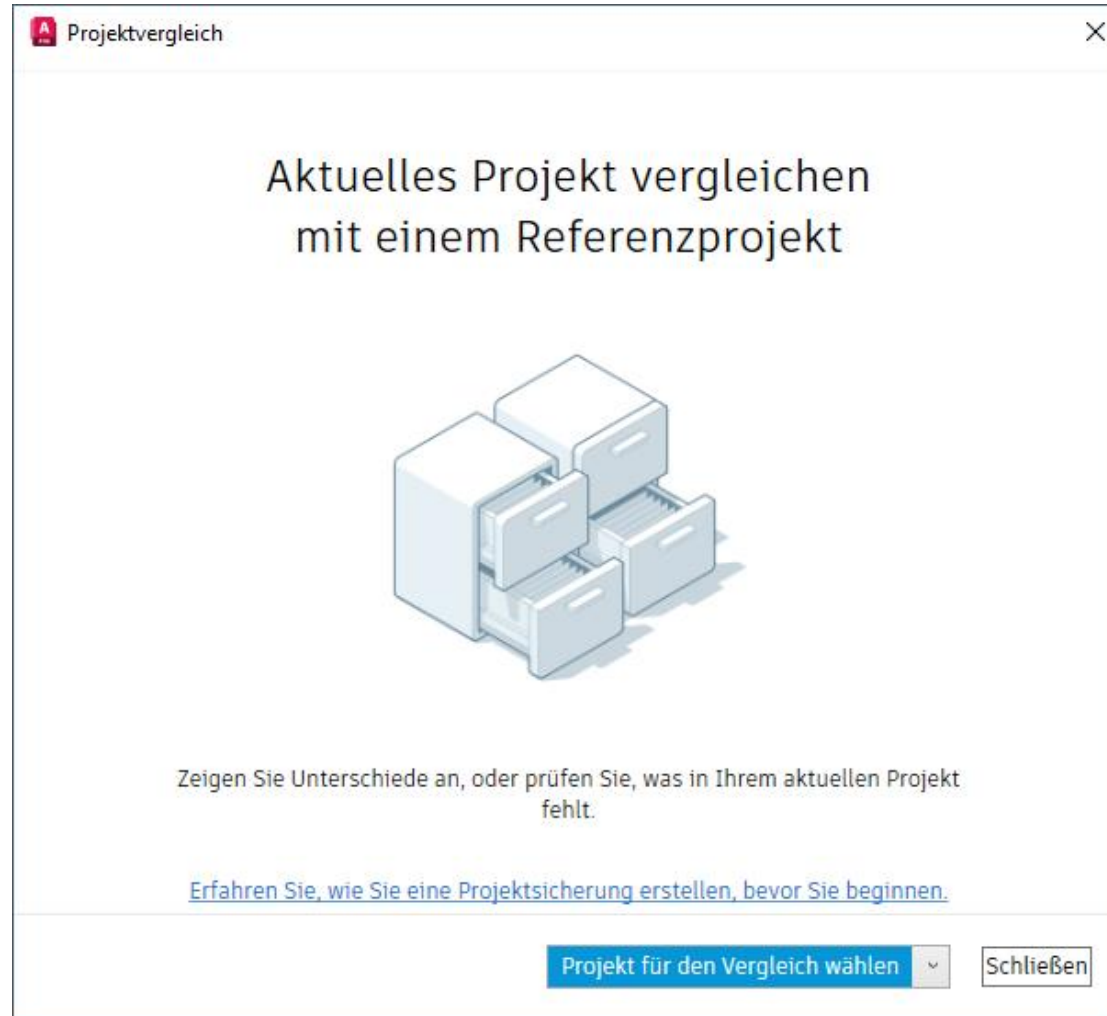
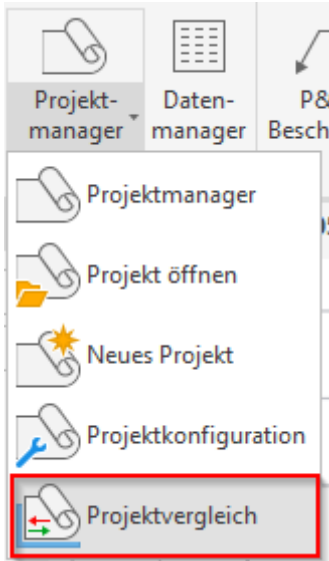
Spezielles.

- ASING_PlantConfig_Pro_Eng
- ASING_PlantConfig_Pro_Eng_AKS
- ASING_PlantConfig_Pro_Eng_KKS
- ASING_PlantConfig_Pro_Eng_RDS-PP
- ASING_Vorlage_Aktuatoren_Sicherheitsstellung
- ASING_Vorlage_Armaturen_Apparate
- ASING_Vorlage_Rohrleitungssegmente
- ASING_Vorlage_Schriftkopf_n_technisch

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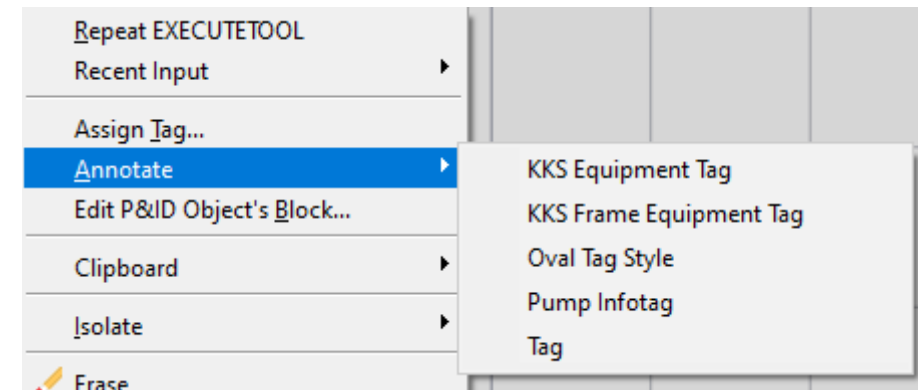
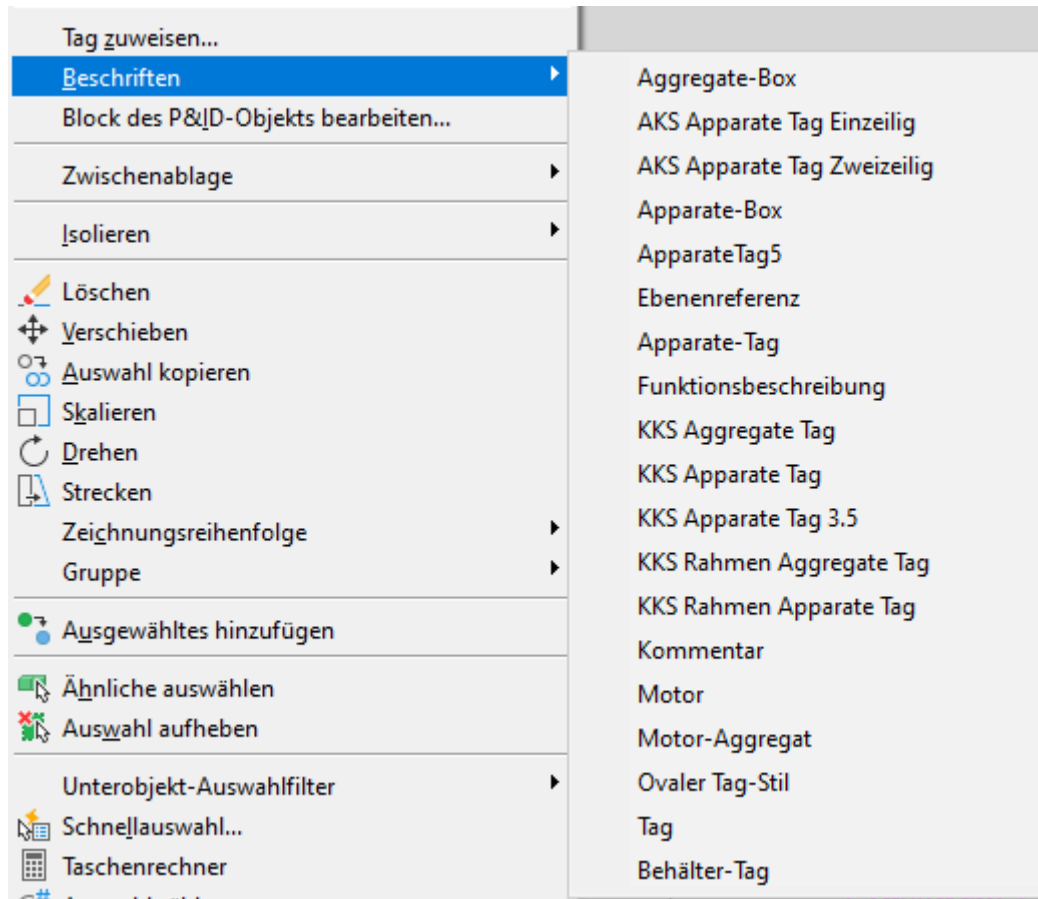
Projektvergleich.

Projektvergleich.



Projektvergleich.

Reduziert auf das wesentliche.



Projektvergleich.

Neue Projektkonfiguration ohne alte Lasten.

Relevante Klassen nicht neu erstellen, gezielt übertragen.

Projektvergleich.

Project Compare

Current Project:
ASING_Konfig_Eng

Compared to:
ASING_Konfig_Eng_KKS

Compare Summary

- Project
- P&ID
 - Blocks
 - Classes**
 - Support Files
- Piping(3D)
 - Classes
- Isometrics
- Orthos
- Pipe Specs

P&ID Classes

> Three Way Ball Valve	Hand Valves	✓	✓
> Three Way Globe Valve	Hand Valves	✓	✓
> Three Way Valve	Hand Valves	✓	✓
> General Instrument Symbols	Instrumentation	✓	✓
> Inline Instruments	Instrumentation	✓	✓
> Pipe Line Segments	Lines	✓	✓
> General Signal	Signal Line Segments	✓	✓
Not in Current Project			✓
Classes do not exist in the current project.			
> Instrument Acquisition	Signal Line Segments		✓
> KKS Flag	Flag		✓

Sync Review **Close**

Kapitel 8/8

Plant 3D.

Rohrklassen Plant 3D.

Über 50 verschiedene Rohrklassen.

Stahl & Edelstahl

- PN6 – PN40
- Vorschweißflansch
- Losflansch
- Glattflansch
- ASME-Flansche

PE und PP

- PN6 & PN10

Emaille DIN 2873

- PN10 & PN16

Steckscheiben

- Alle gängigen Steckscheiben

S&W Rohrsysteme

- Spannring Verbindung
- Alle Nennweiten

Geberit Mapress

- Alle Nennweiten

Aseptik

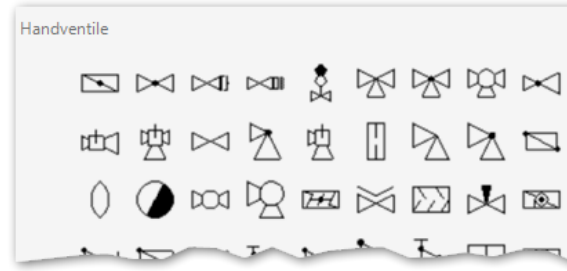
- PN10
- Hastelloy C22 - 2.4602

Armaturenkatalog

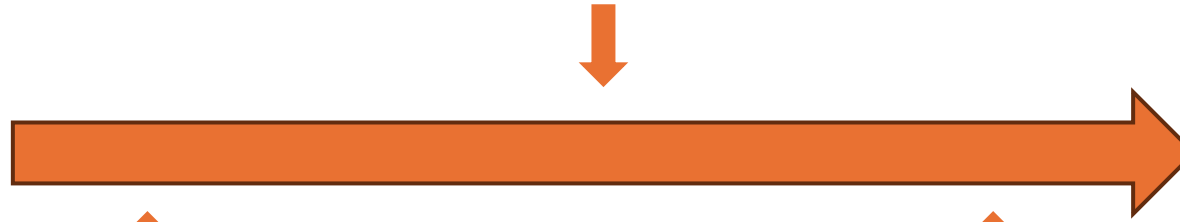
- Nach DIN EN 558
- Standardarmaturen mit unterschiedlichen Körpern

Fazit.

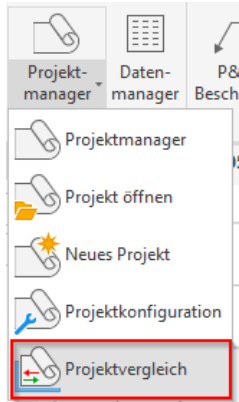
Ihr altes Projekt



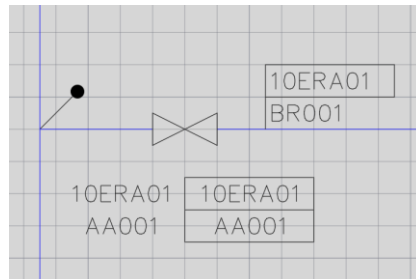
ASING PlantConfig Pro



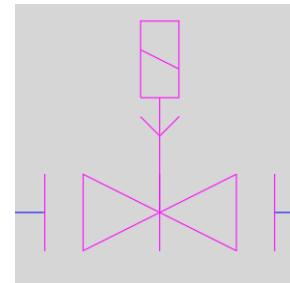
Ihr neues Projekt



ASING_Konfig_Eng_KKS



ASING_Vorlage_Aktuatoren_Sicherheitsstellung



ASING_Vorlage_Rohrleitungssegmente



Über 50 ASING Rohrklassen

drink
more
water!

