



KEGA 038STU-4/2018

Konvergencia automatizácie a pokročilých IKT

Tecnomatix Process Designer

Obsah

- ▶ Tecnomatix
- ▶ Tecnomatix Process Designer

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Balík mnohých nástrojov:

- Plánovanie
- Designovanie
- Simulácia
- Optimalizácia



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- ▶ Plánovanie výroby
- ▶ Plánovanie a optimalizácia procesov
- ▶ Návrh montážnych liniek
- ▶ Predchádzanie kolíziám objektom v priestore
- ▶ Definovanie technických postupov plánovania montáže
- ▶ Vytváranie detailných štúdií ktoré sú importovateľné do Process Simulate pre simuláciu

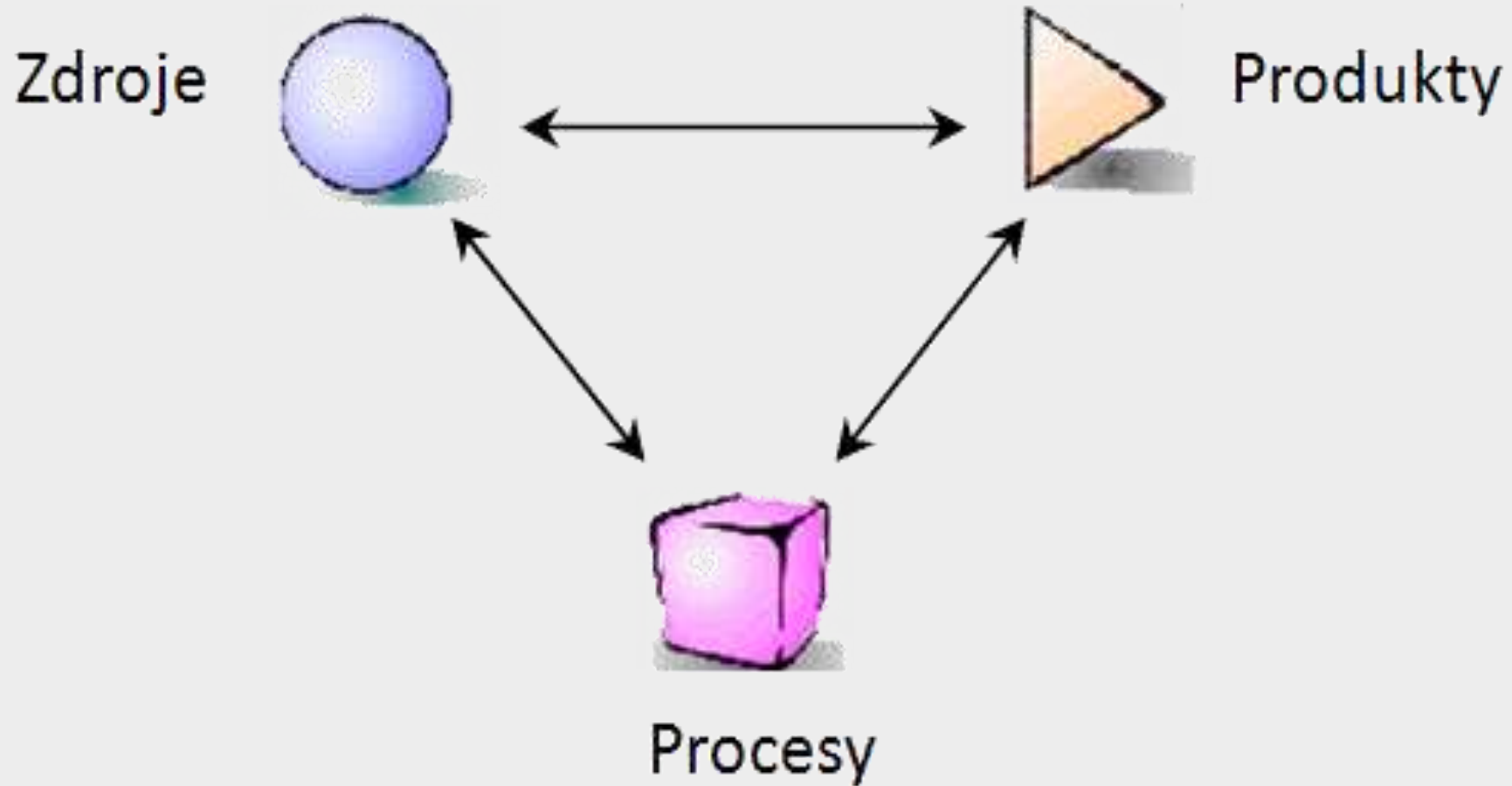
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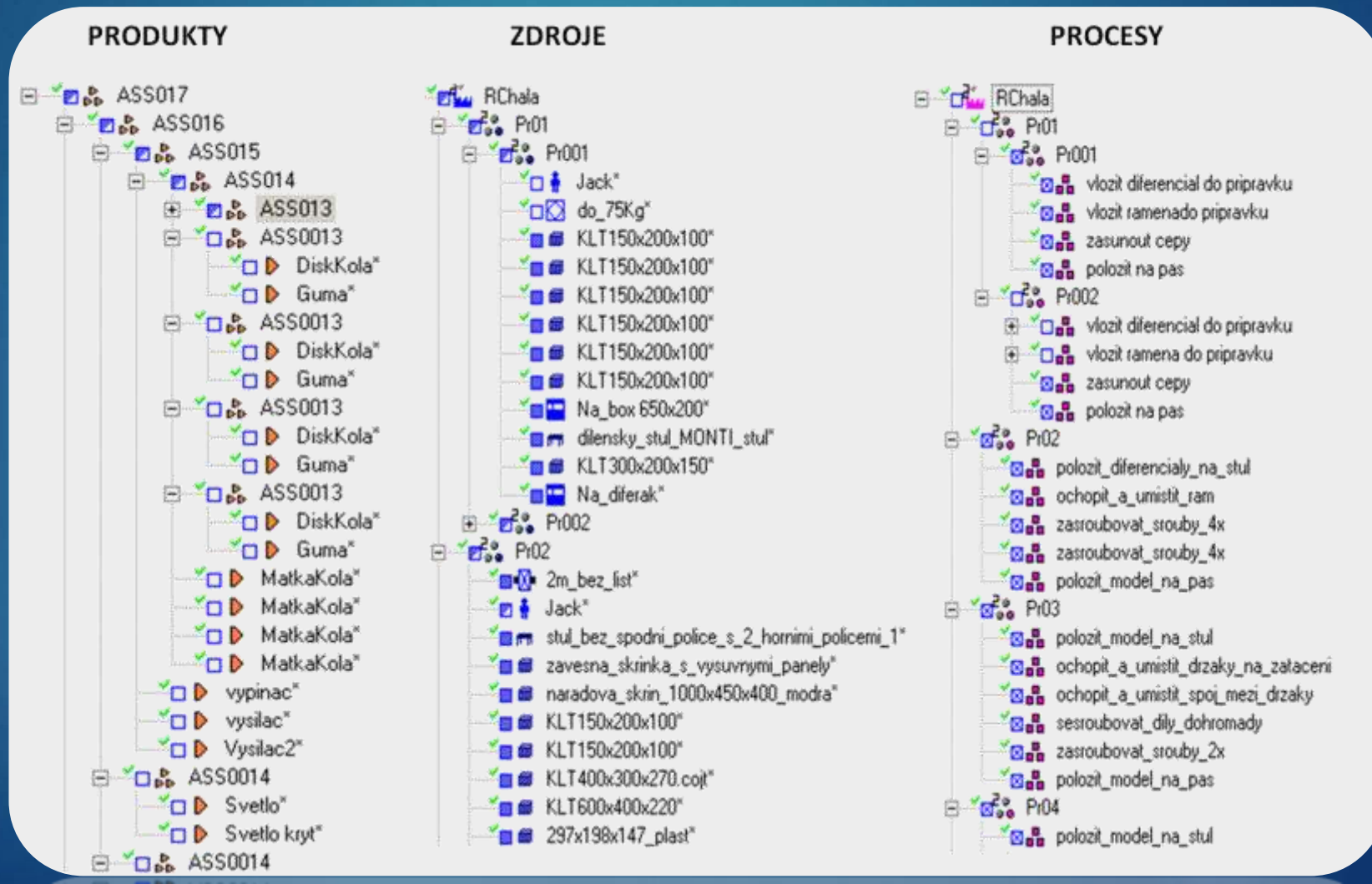
- ▶ PERT grafy a Ganttové diagramy
- ▶ MTM časové tabuľky
- ▶ 2D/3D spracovanie
- ▶ Importovanie z cad programov NX, CATIA, Pro-Engineer/Creo
- ▶ Podpora Check-in Check-out
- ▶ Odhad nákladov
- ▶ Jednoduché plánovanie

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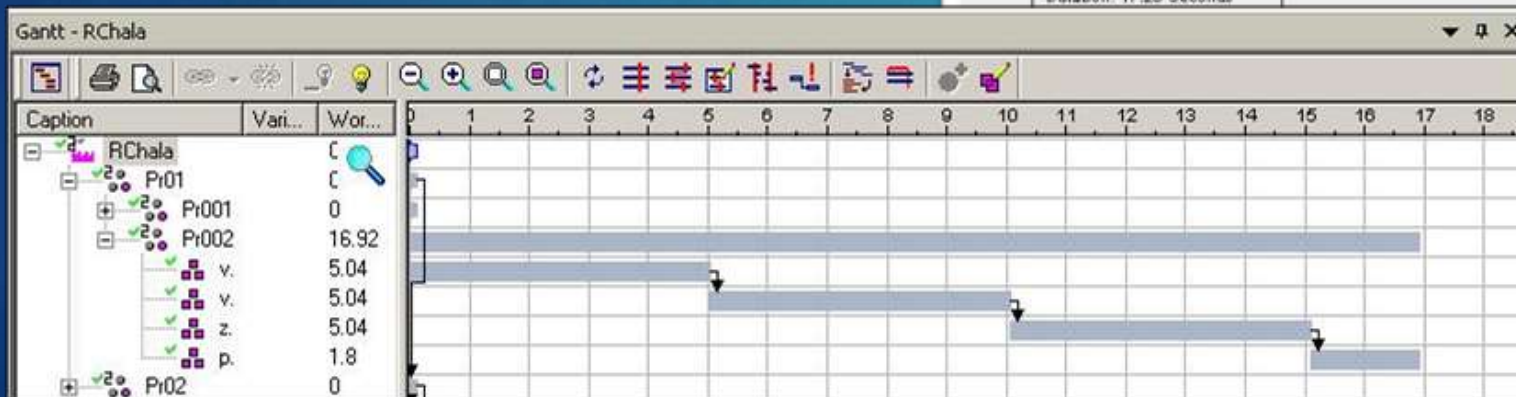
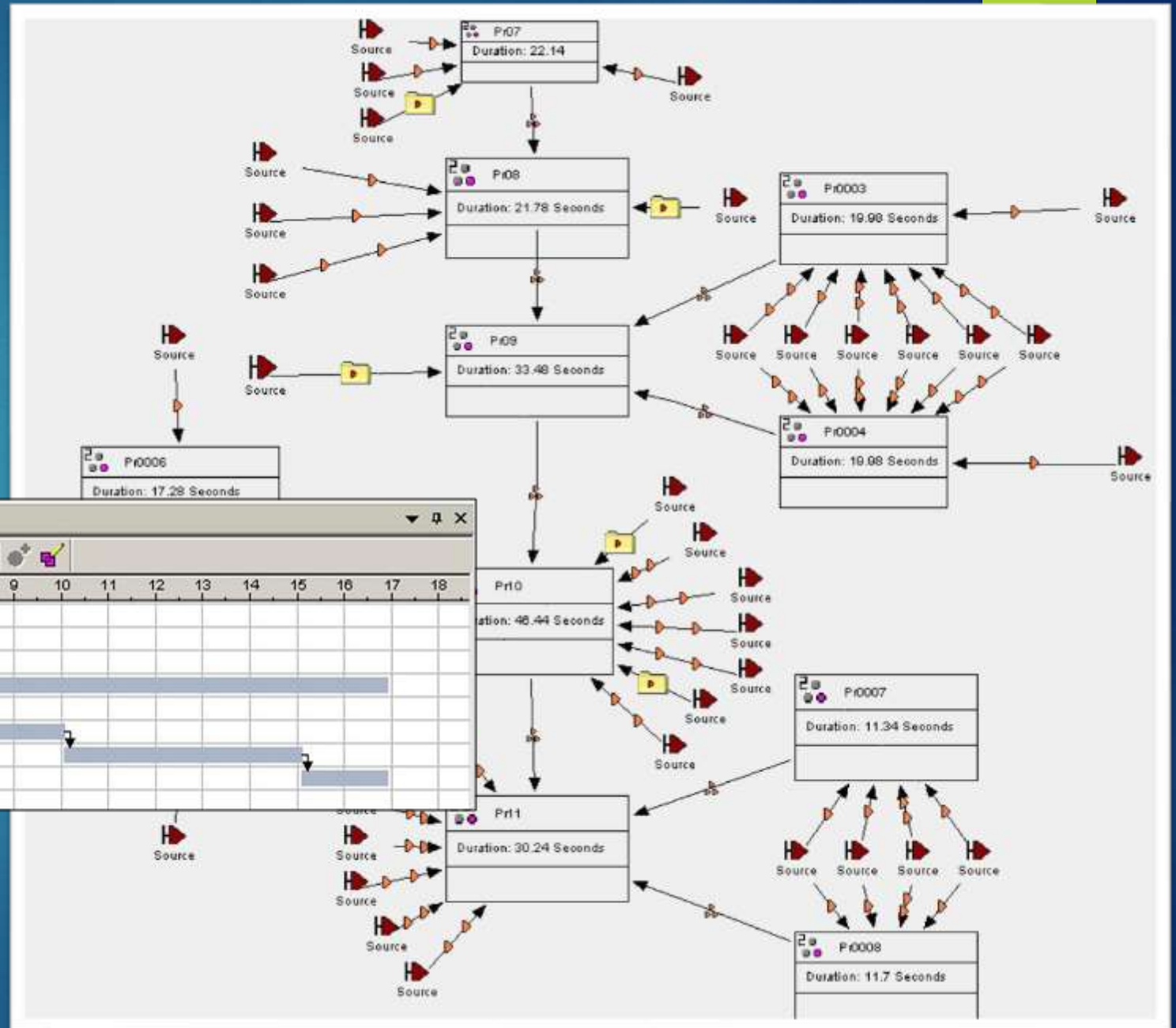
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Get and place			DT	1	2	3
			Code	TMU		
<= 1 daN	Easy	aprox.	AA	20	35	50
		loose	AB	30	45	60
		tight	AC	40	55	70
	Difficult	aprox.	AD	20	45	60
		loose	AE	30	55	70
		tight	AF	40	65	80
	Handful	aprox.	AG	40	65	80
		loose	AH	25	45	55
		tight	AJ	40	65	75
> 1 to <= 8 daN		loose	AK	50	75	85
		aprox.	AL	80	105	115
		loose	AM	95	120	130
> 8 to <= 22 daN		tight	AN	120	145	160
Place			Code	1	2	3
approximate			PA	10	20	25
loose			PB	20	30	35
tight			PC	30	40	45

General
Times
Cost & Resp...
Products
Resources
Mfg Featu...
Pa

Allocated Time: 3.96 Copy from...

VA Time: 0 NVA: 0

Verified Time: 3.96 MTM

Calculated Time: 0 Calculate

Data Card

Basic Time: 55 TMU

Time Including Allowance: 55

Code: 3000AC2....5

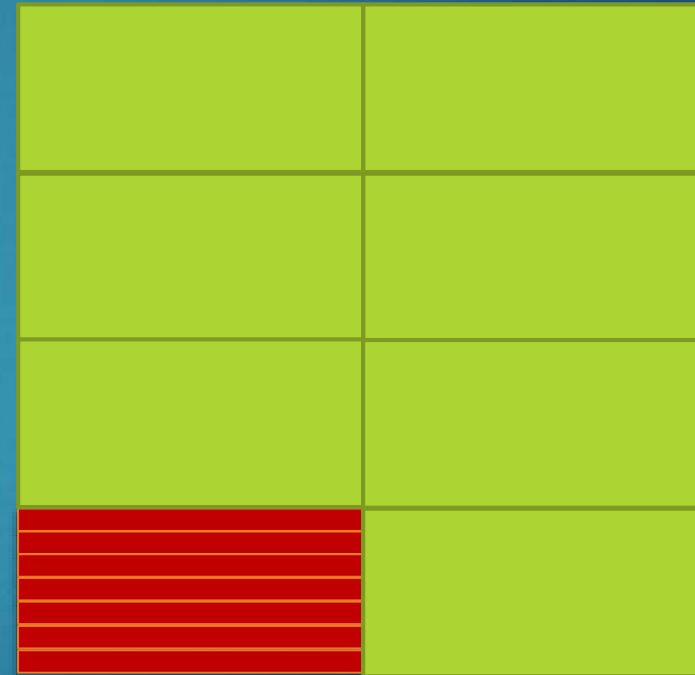
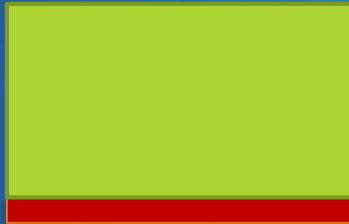
Description: Pick up and place, <= 1 daN, easy, close, <=50cm

Frequency: 2

Assign... Reset

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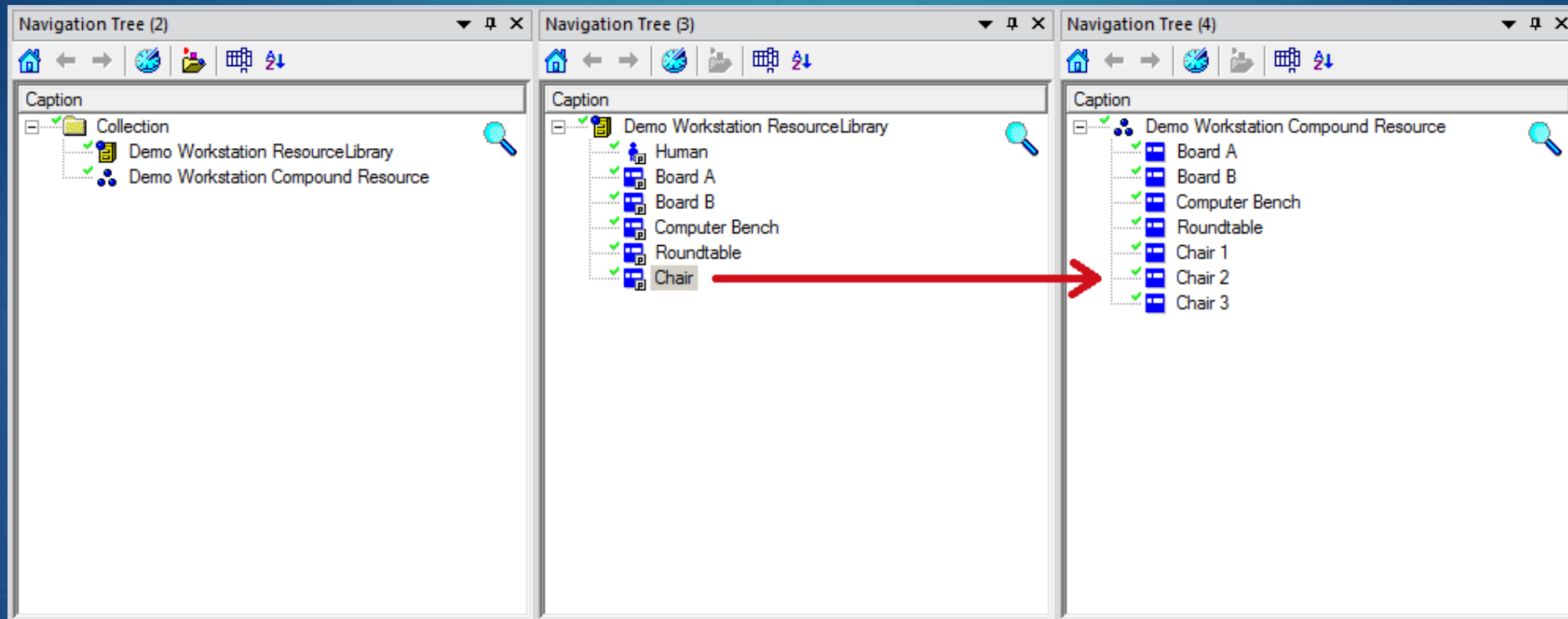
Process Designer

Knižnice:

- ▶ Použitie zdrojov, produktov a procesov
- ▶ Preprava informácií medzi projektmi
- ▶ Importovateľnosť
- ▶ 2D a 3D reprezentácie objektov

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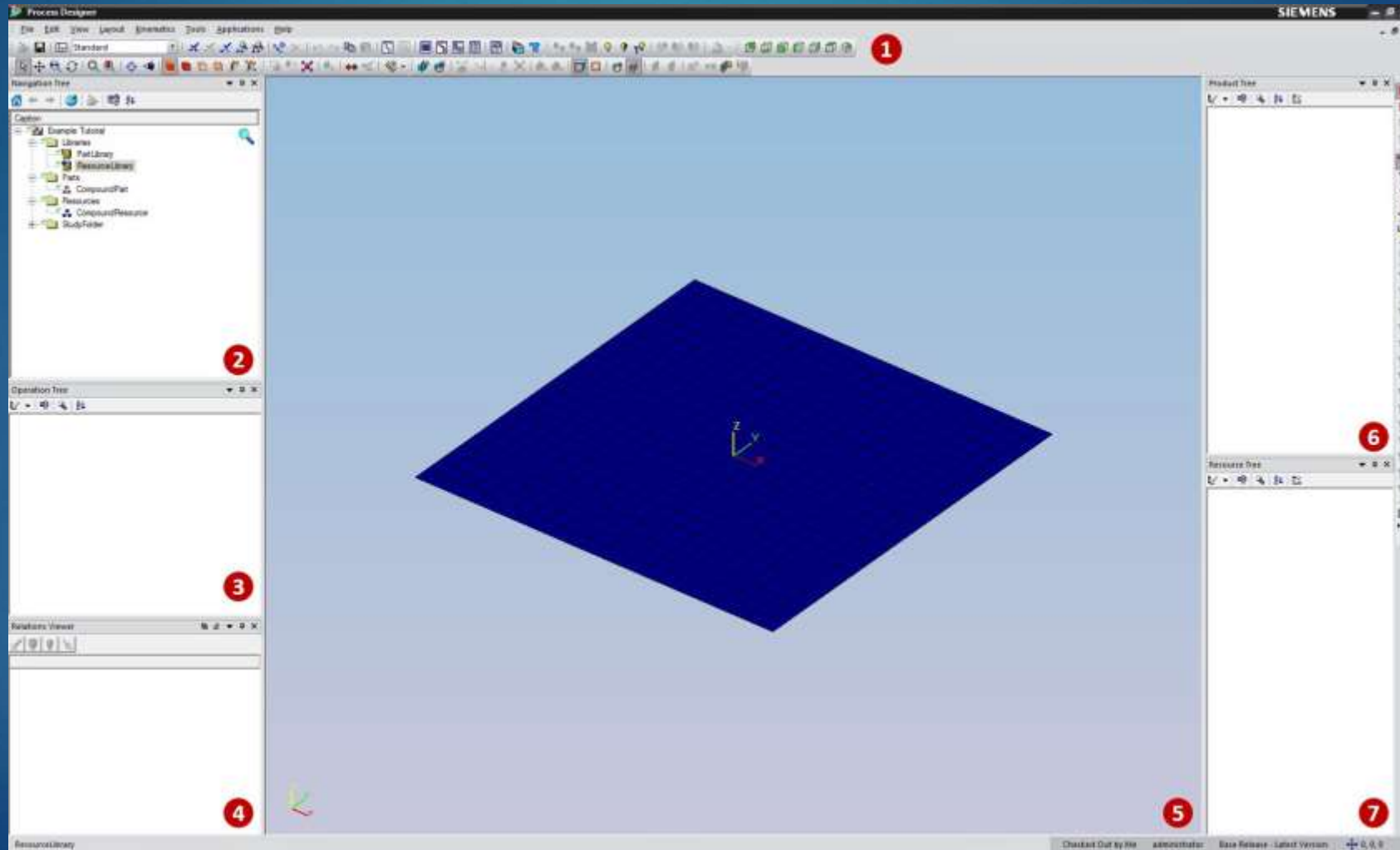


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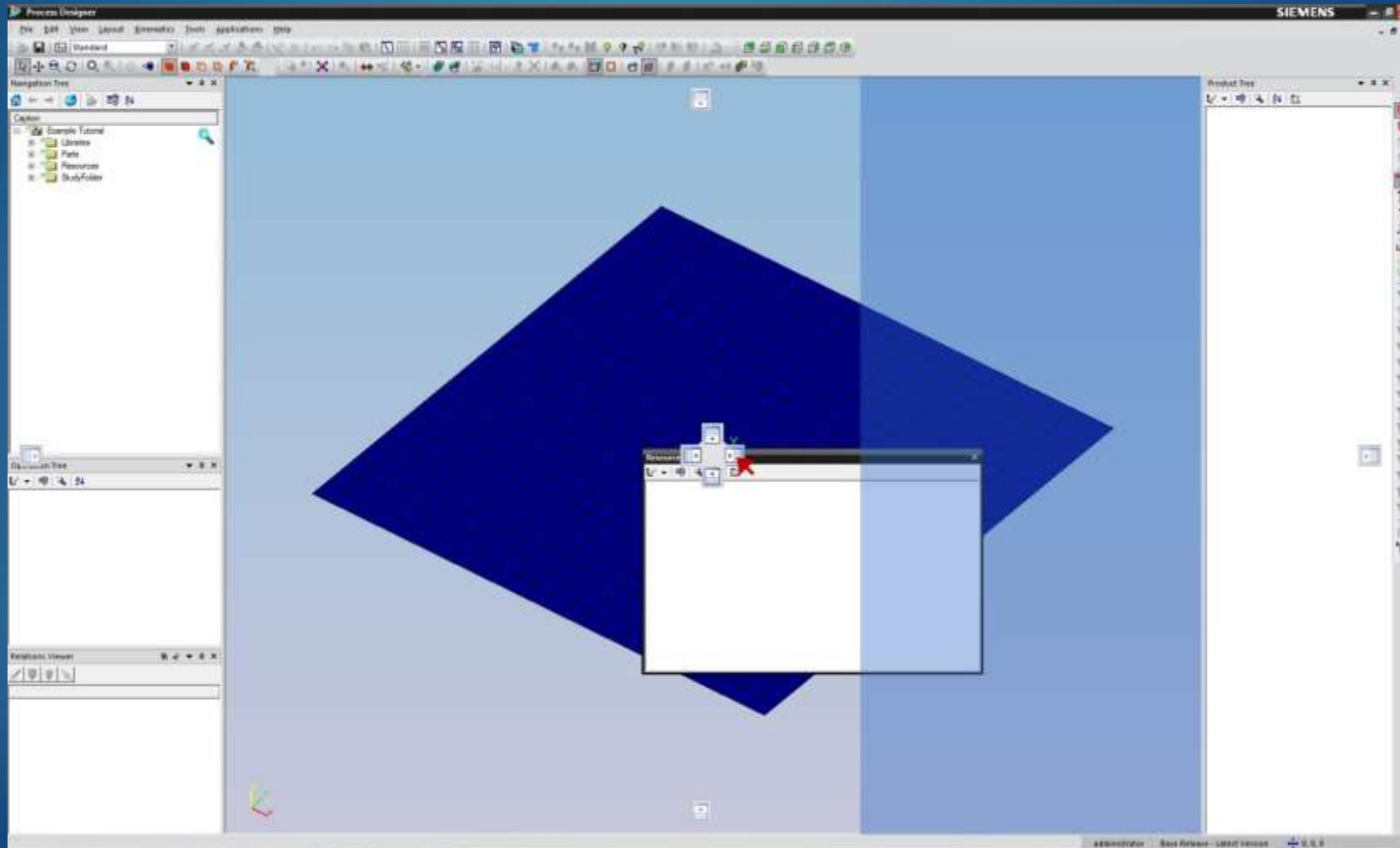
Process Designer

Icon	Name	Function
	PrLine	An object of resource type representing a Line. When it is created, an operation of type Line is also created (PrLineProcess)
	Process Resource	An object of resource type representing a Plan. When it is created, an operation of type Plant is also created (Process)
	PrPlant	An object of resource type representing a Plant. When it is created, an operation of type Plant is also created (PrPlantProcess)
	PrStation	An object of resource type representing a Station. When it is created, an operation of type Station is also created (PrStationProcess)
	PrZone	An object of resource type representing a Zone. When it is created, an operation of type Zone is also created (PrZoneProcess)

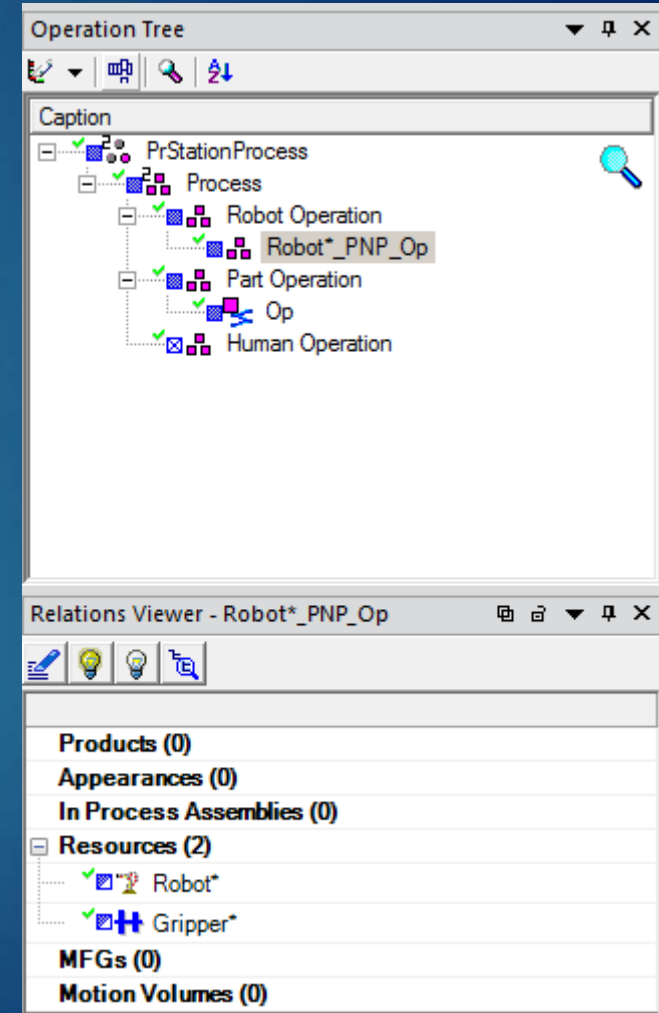
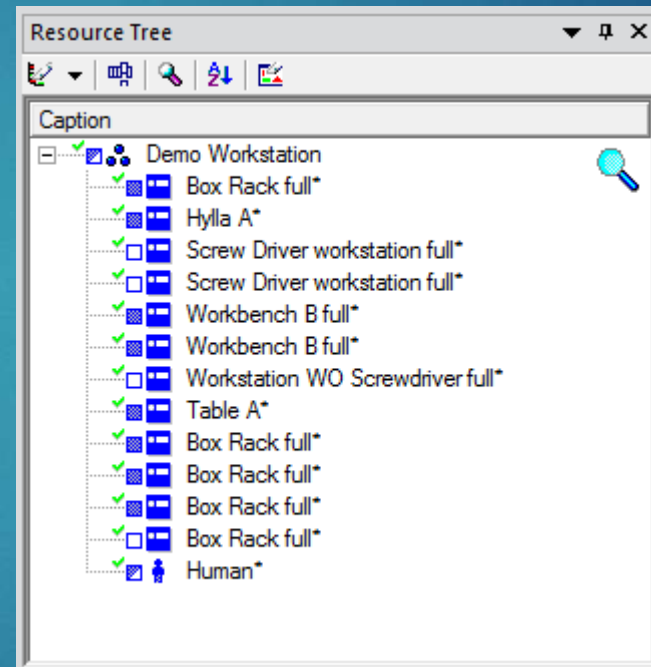
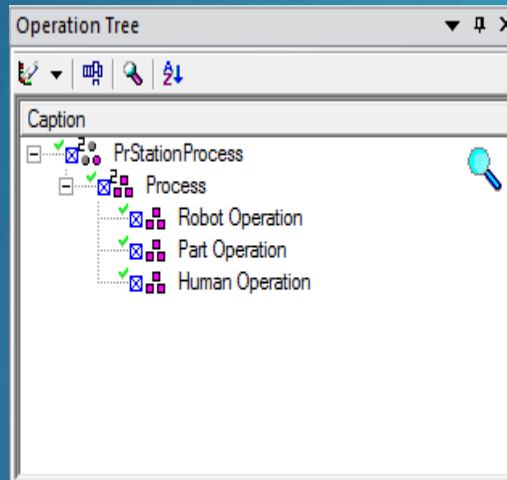
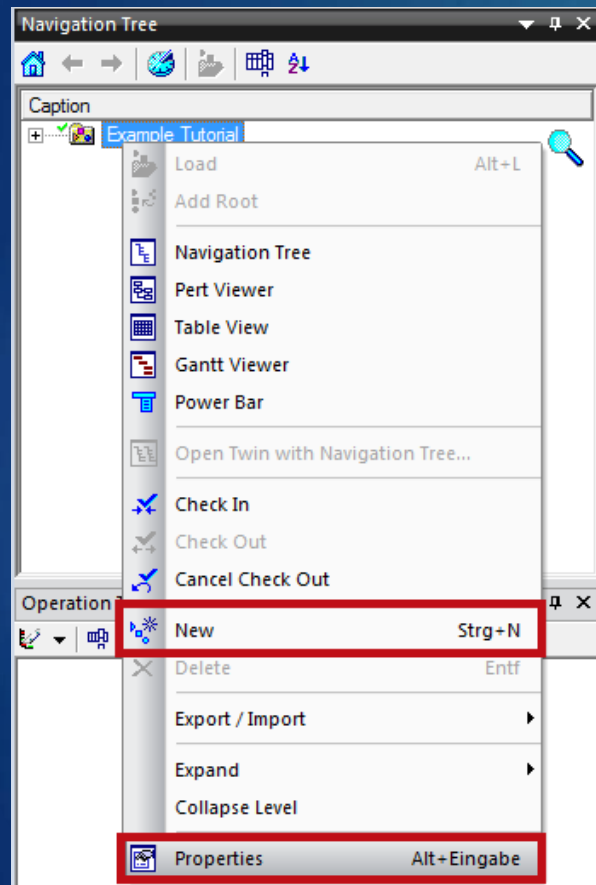
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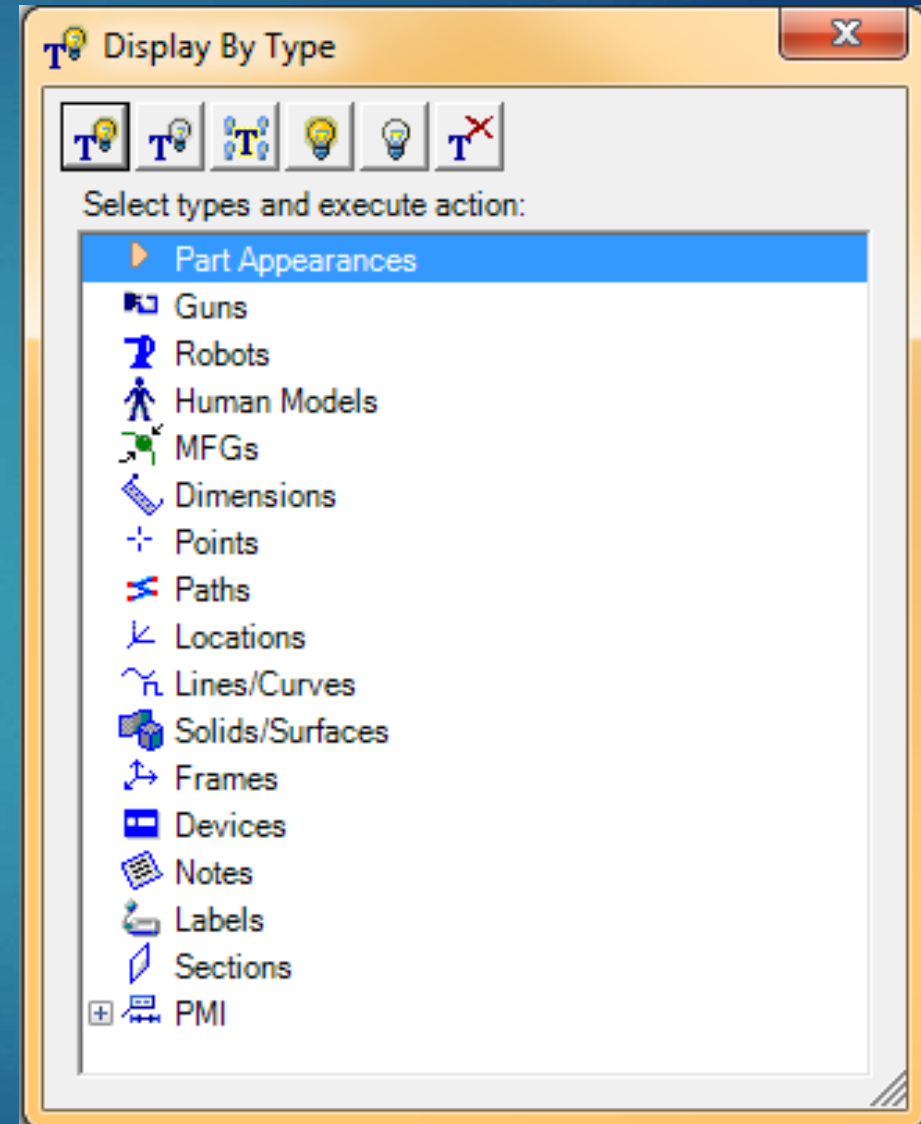
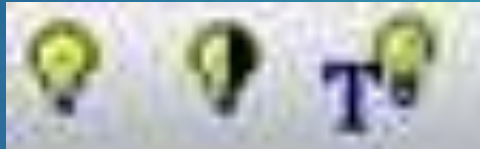
Process Designer

- ▶ Select
- ▶ Pan
- ▶ Zoom
- ▶ Rotate
- ▶ Zoom to fit
- ▶ Zoom to selection
- ▶ View center



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- ▶ Display all
- ▶ Toggle display
- ▶ Display by type



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Process Designer

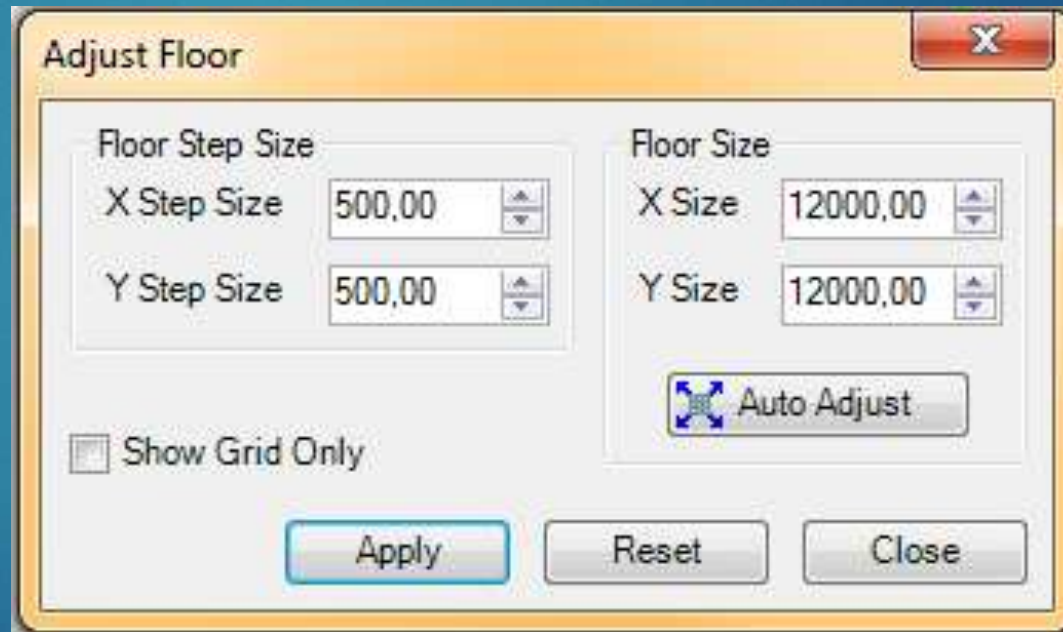
- ▶ Zadná časť
- ▶ Spodná časť
- ▶ Predná časť
- ▶ Ľavý bok
- ▶ Pravý bok
- ▶ Vrchná časť
- ▶ Q4 (priestorovo)



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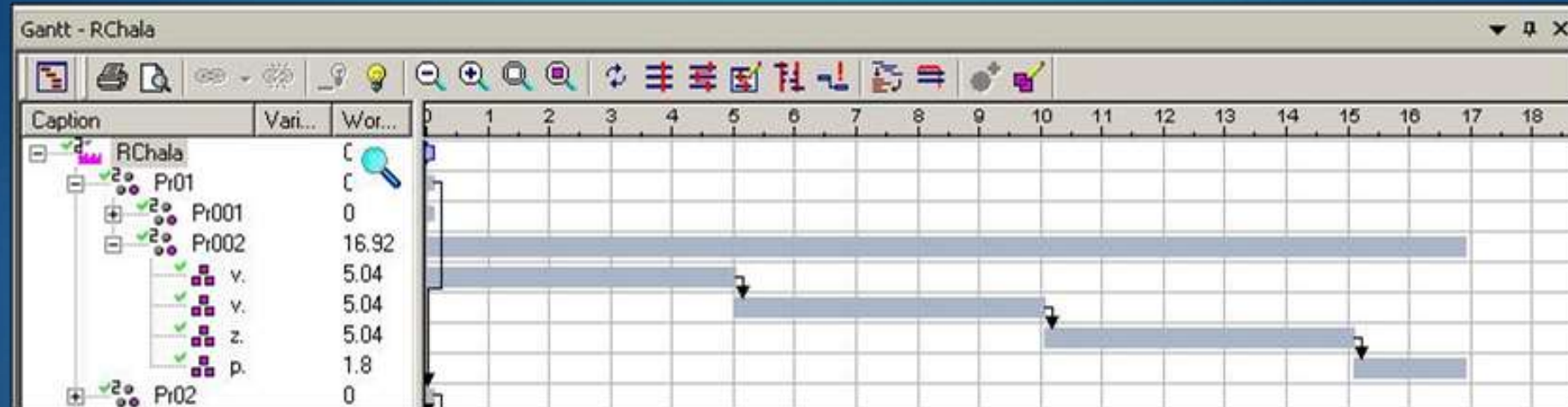
Process Designer

Zmena veľkosti pracovnej plochy



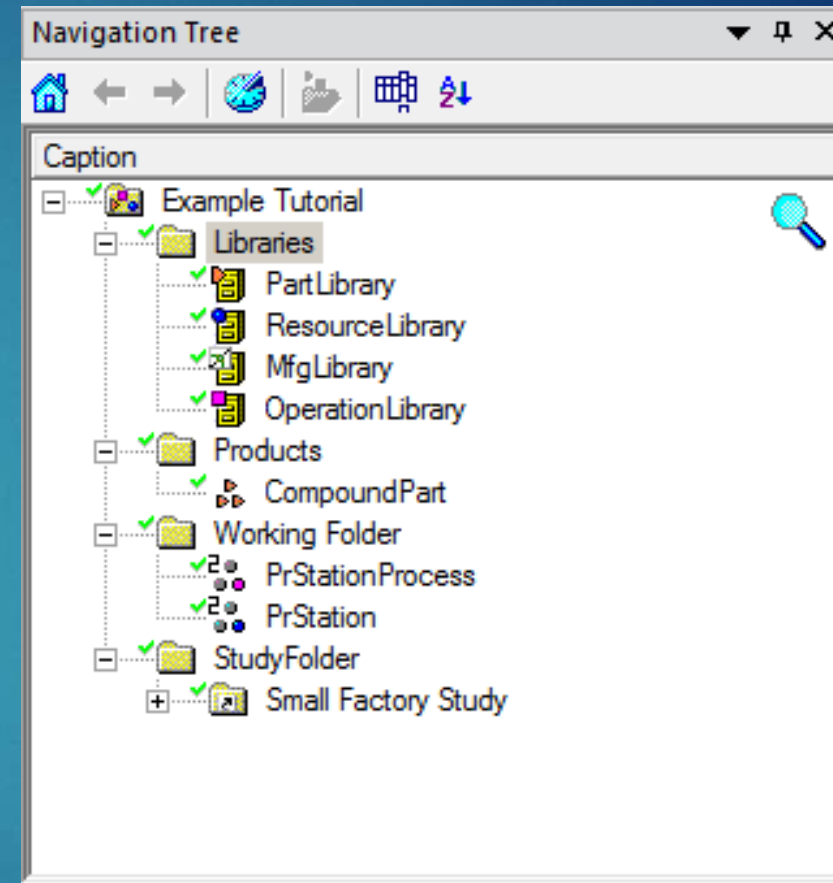
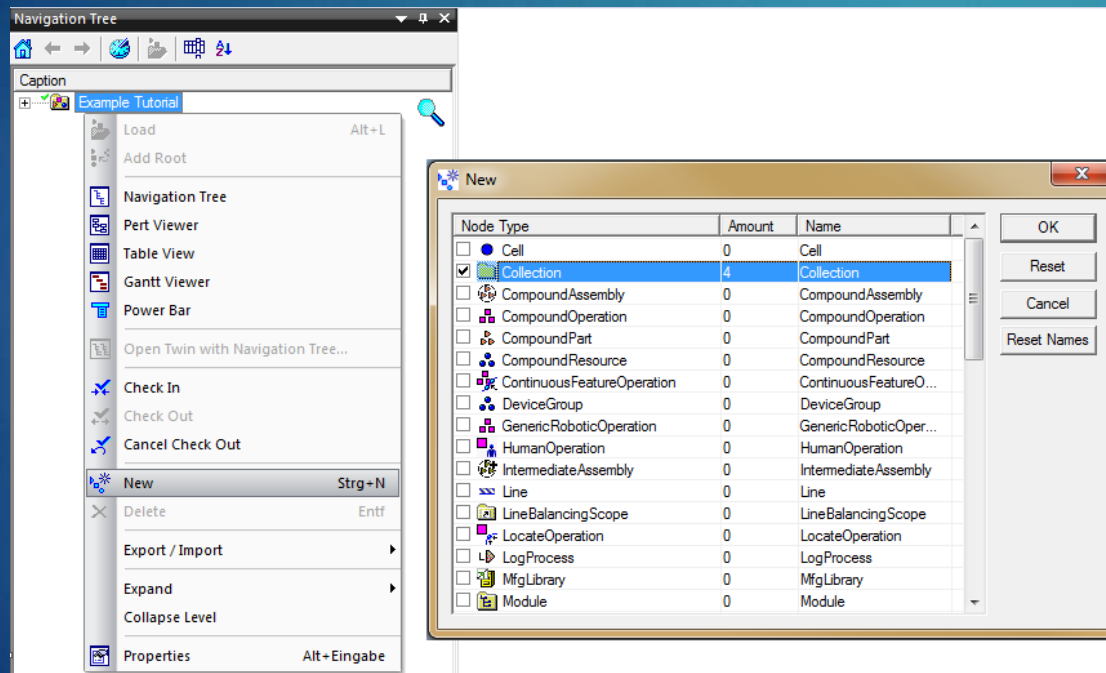
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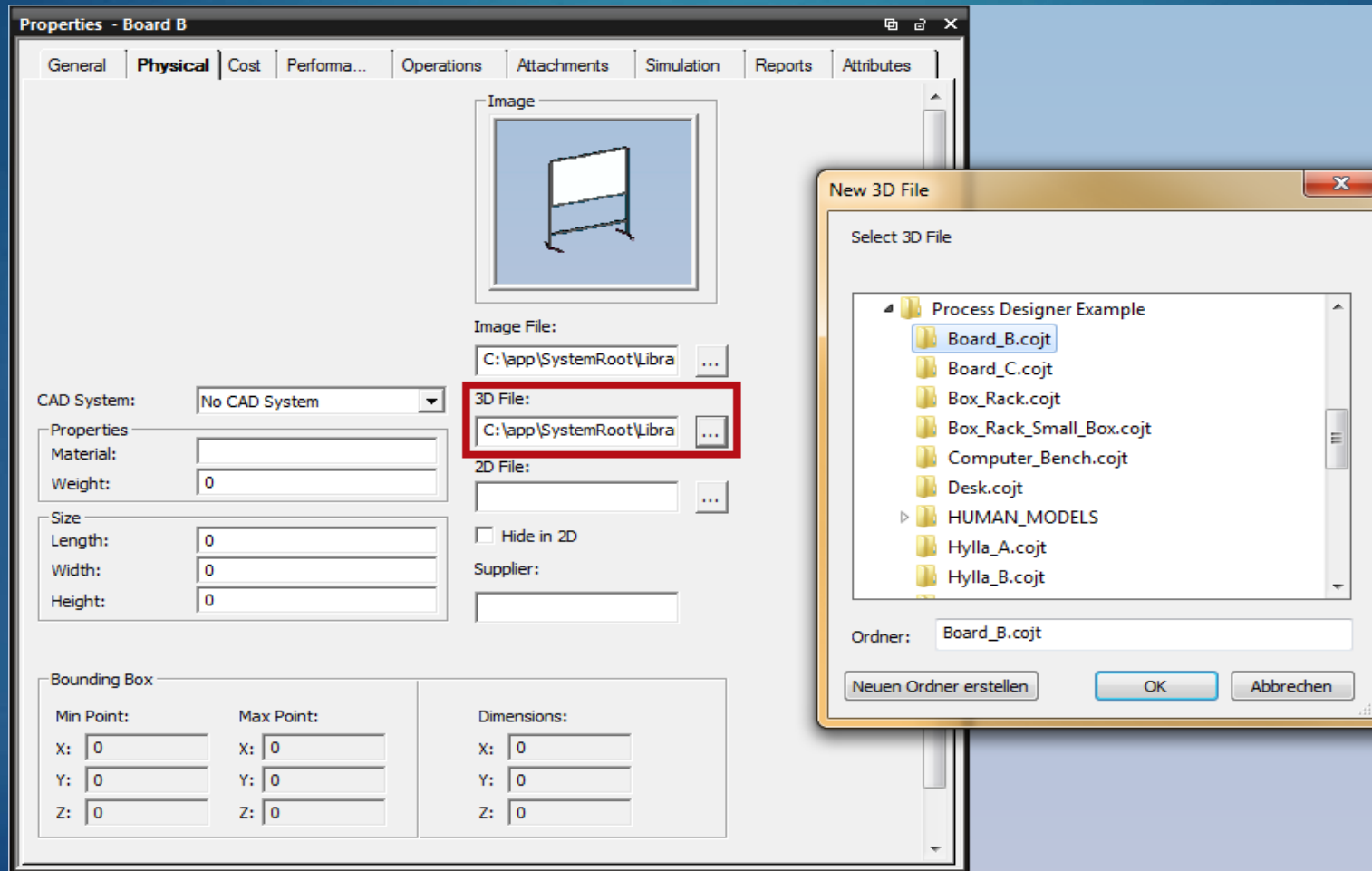
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- ▶ Vytvorenie projektu
- ▶ Vytváranie objektov

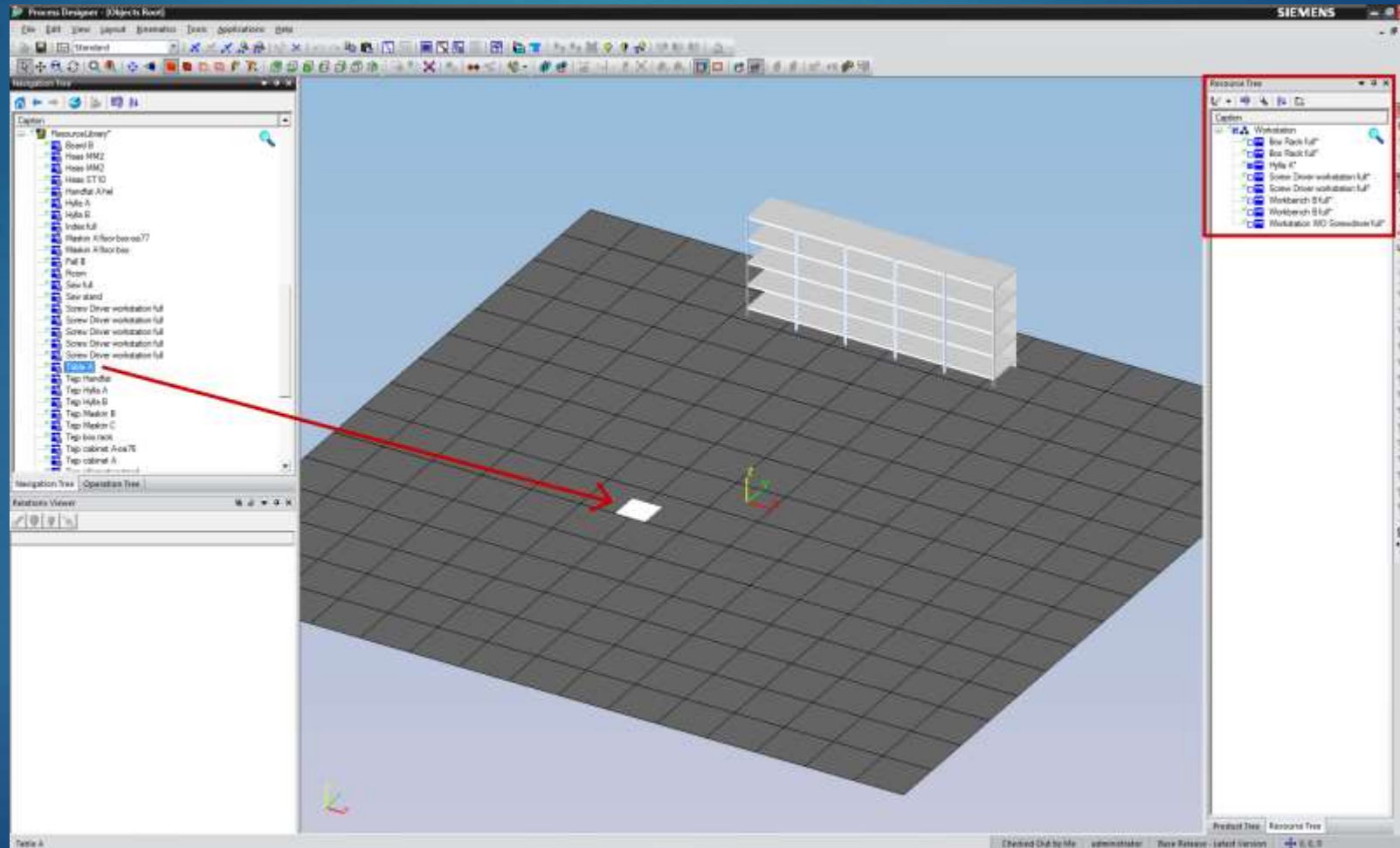


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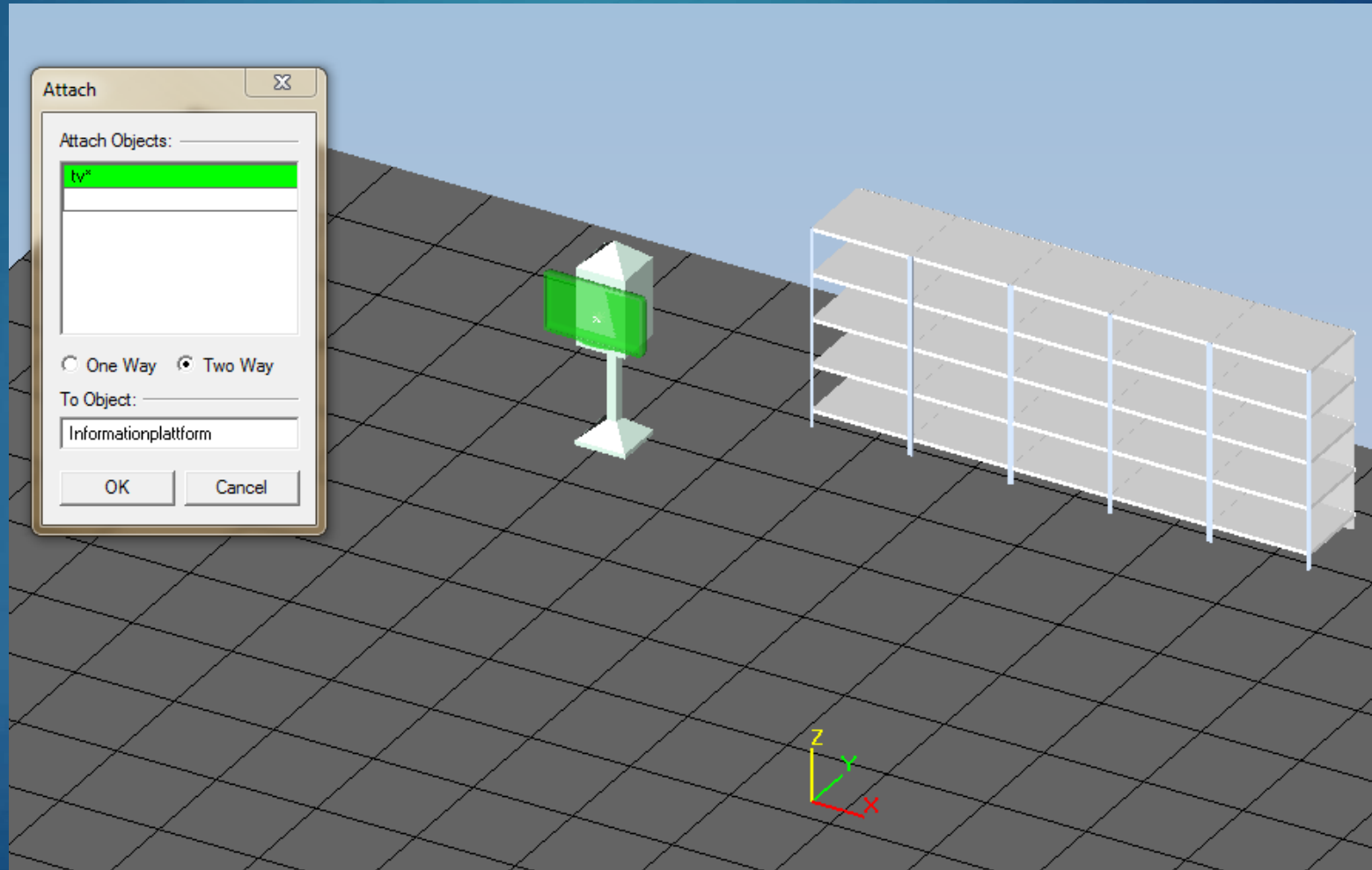


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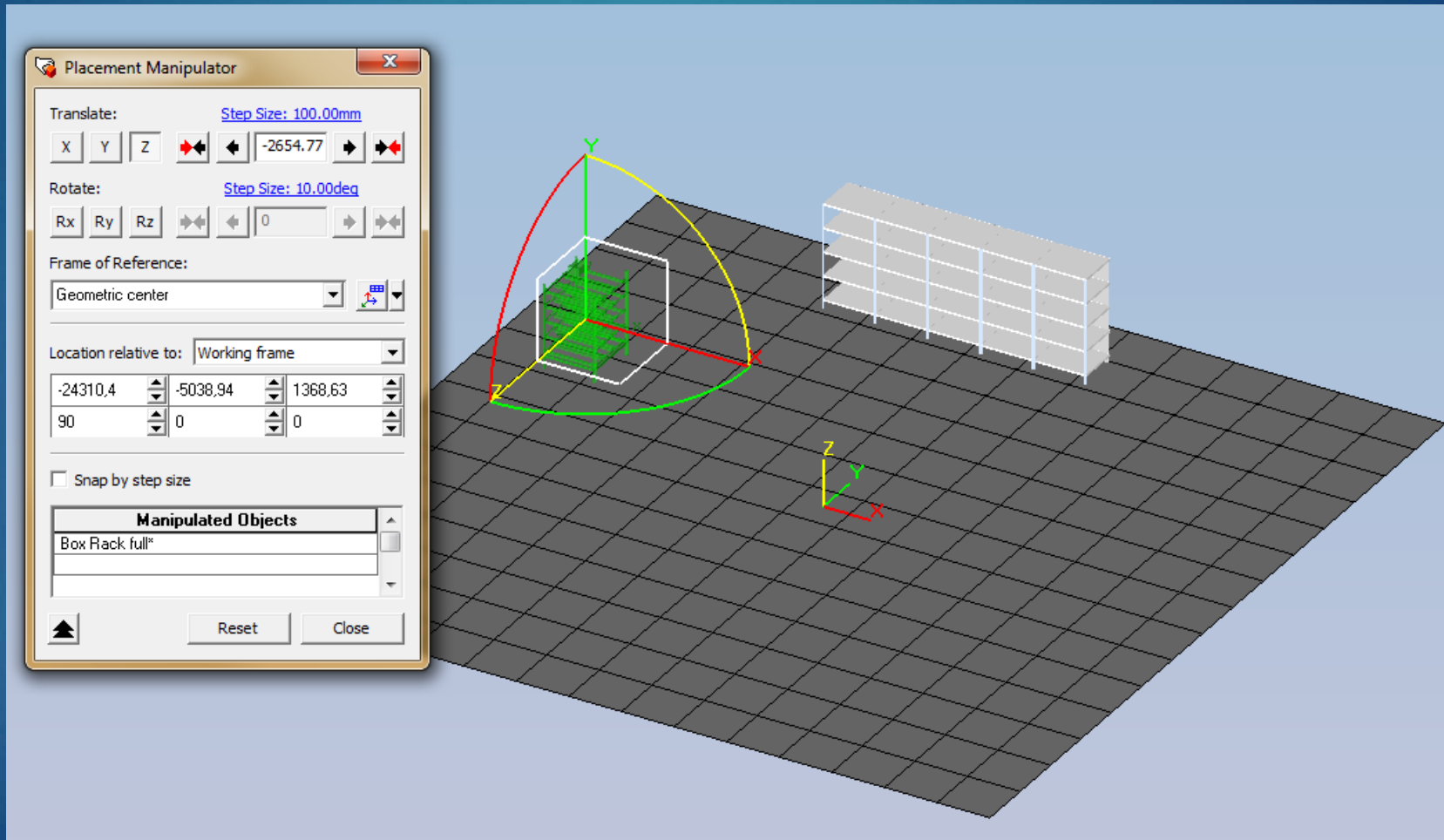
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Process Designer



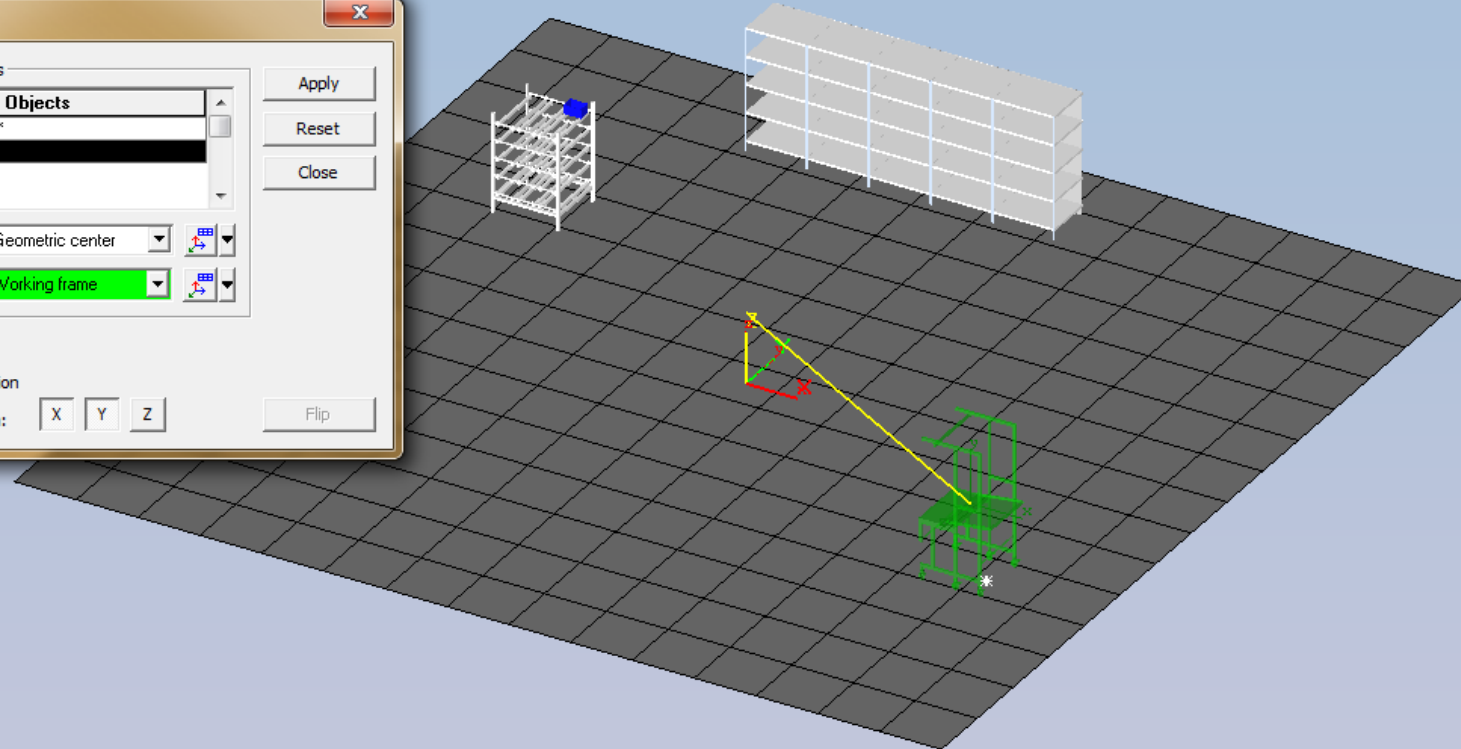
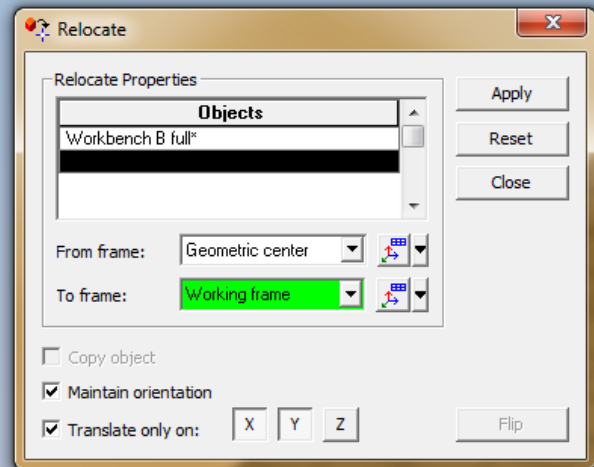
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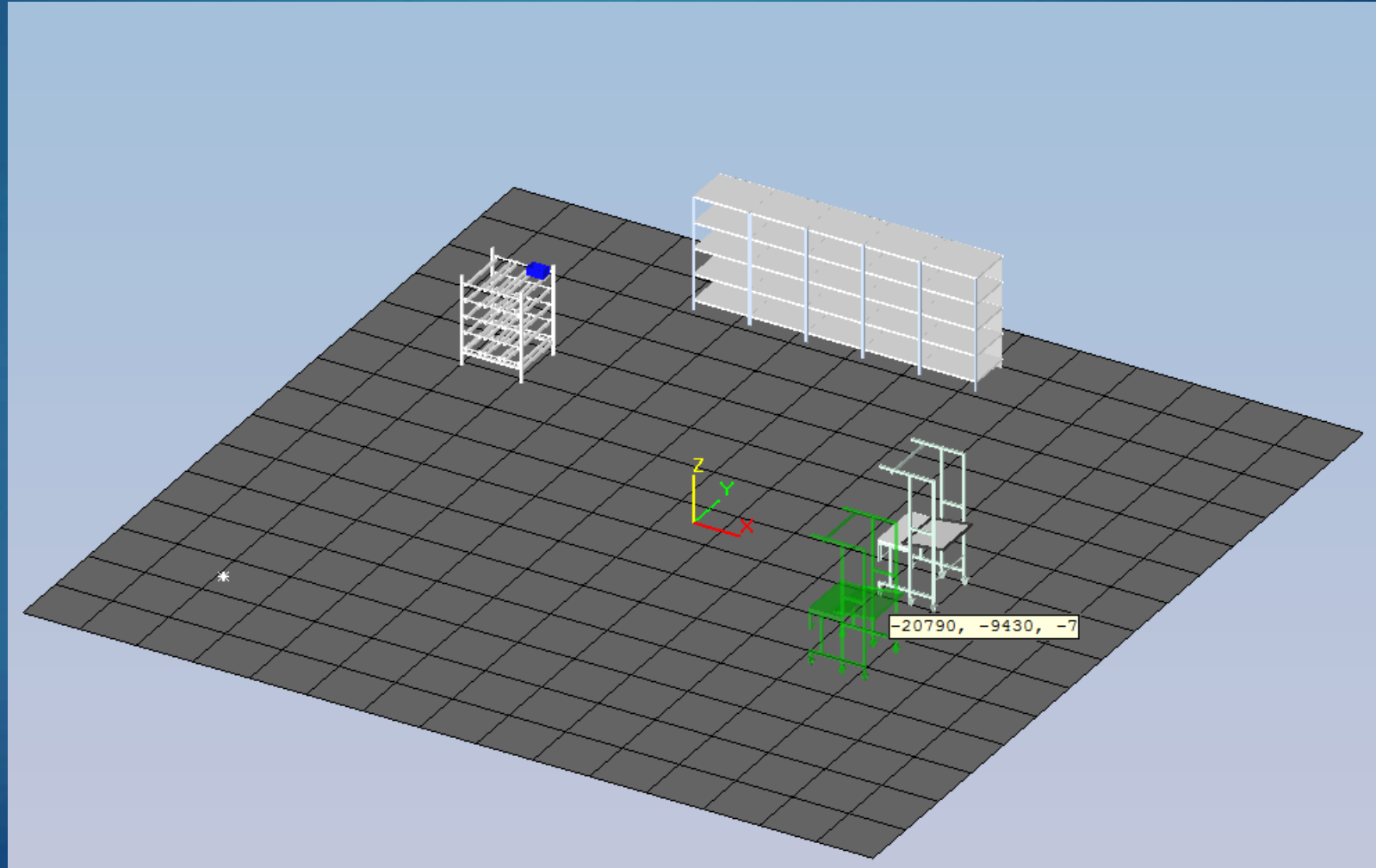
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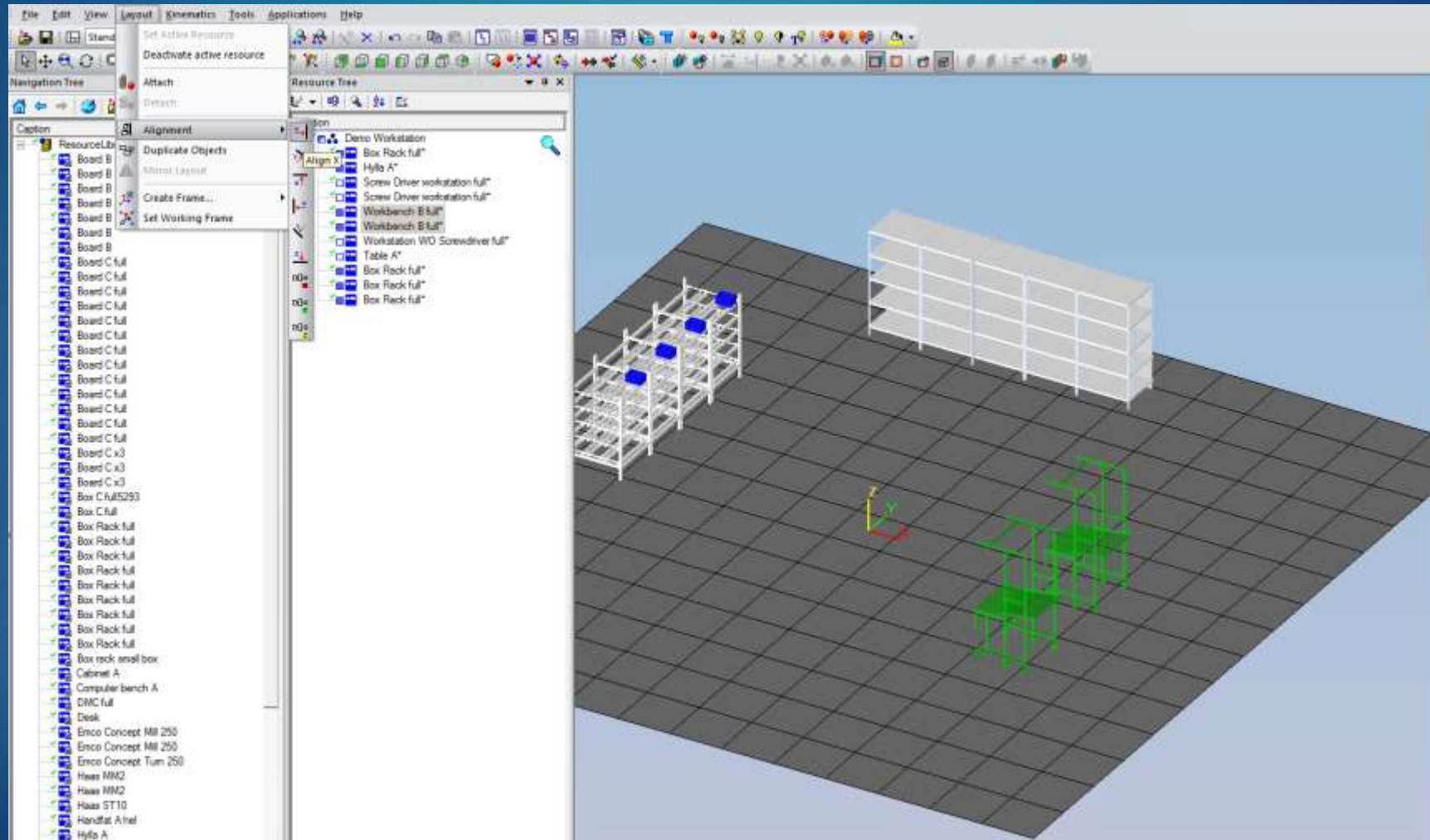


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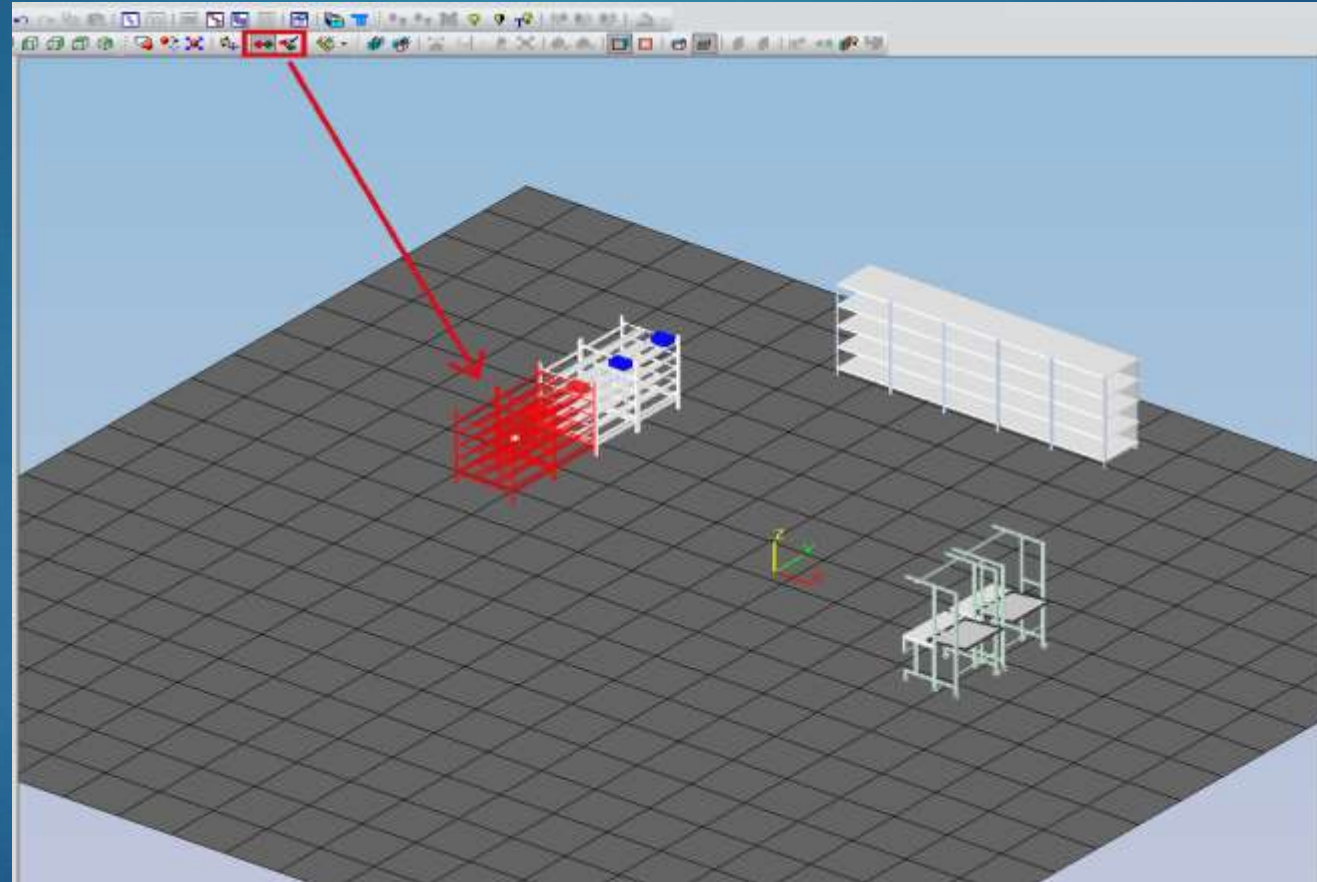
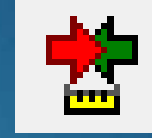


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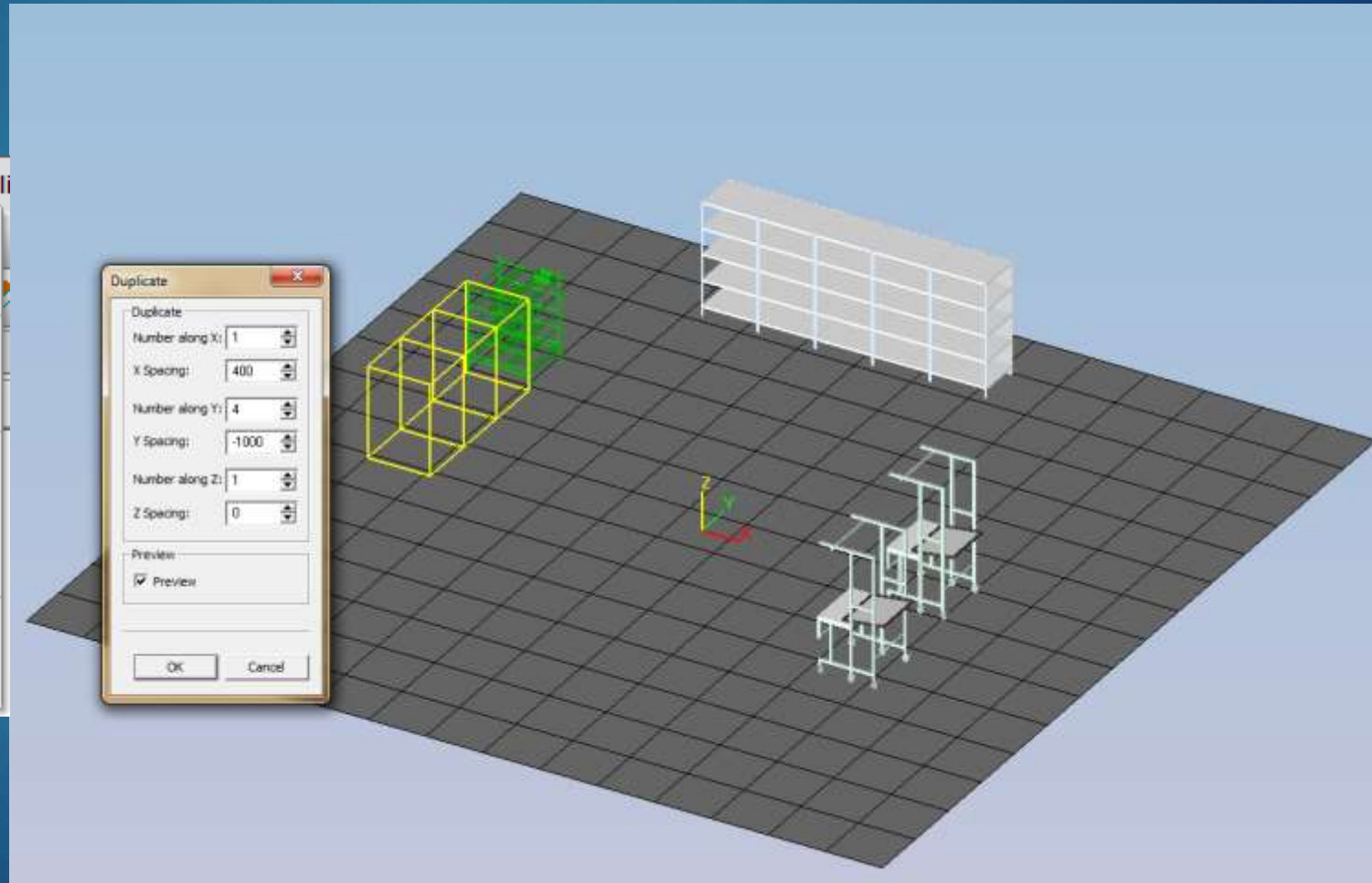
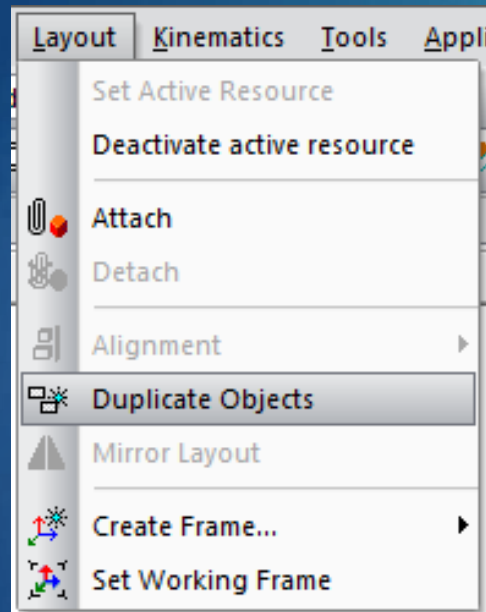
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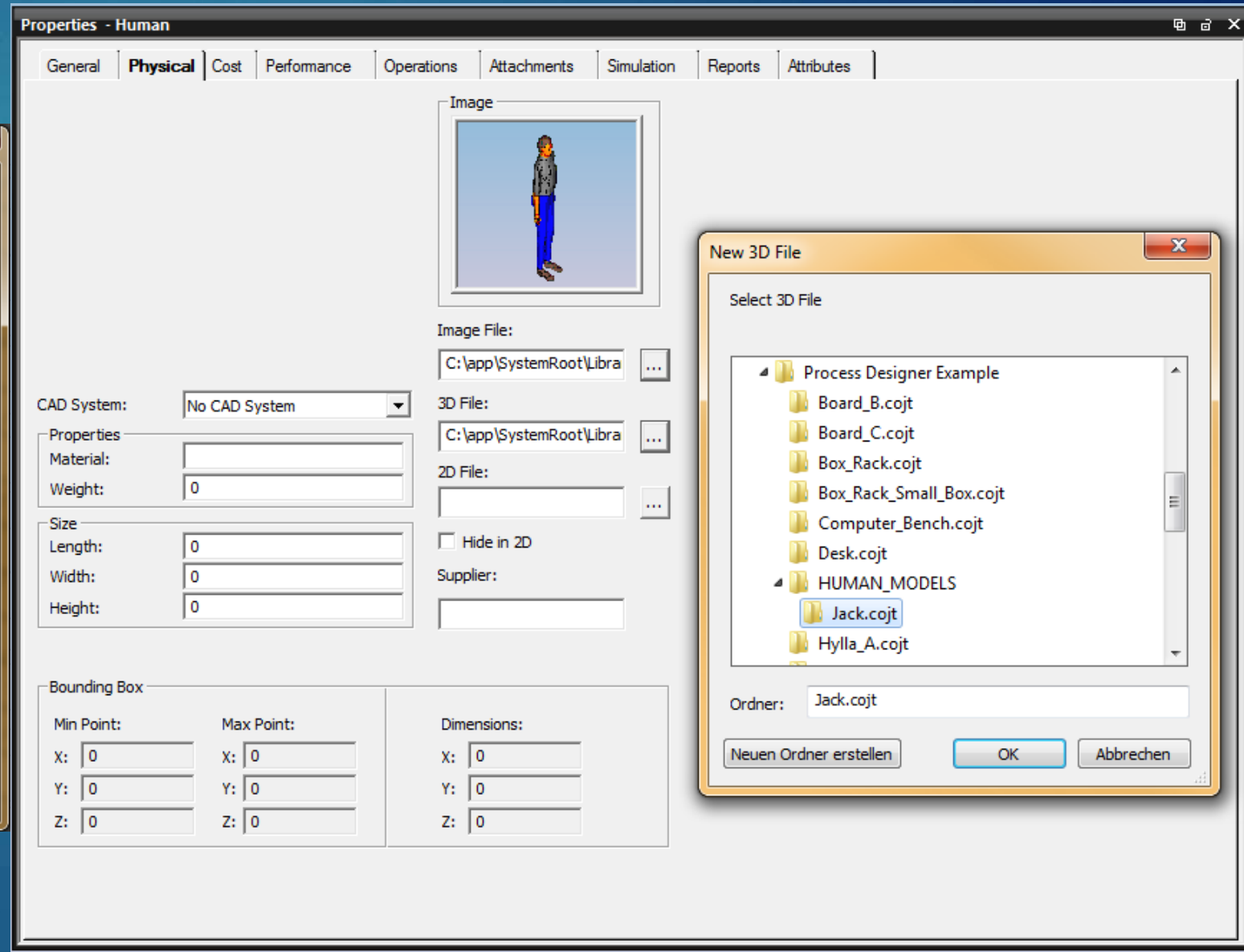
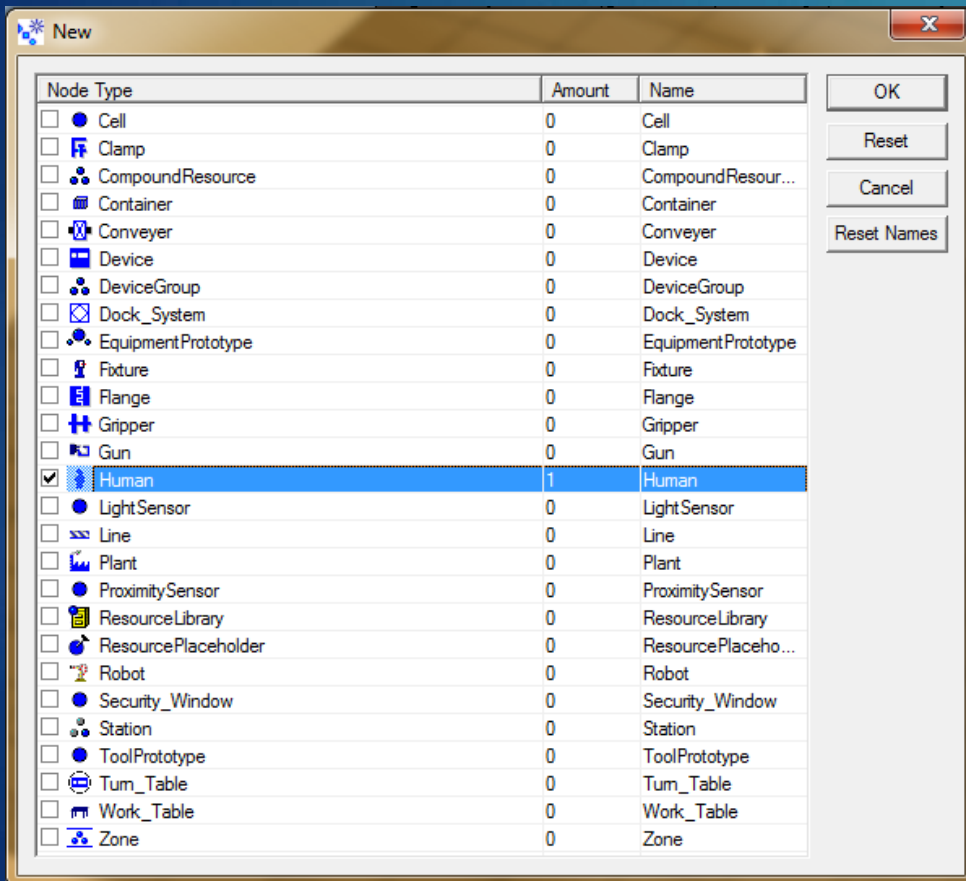


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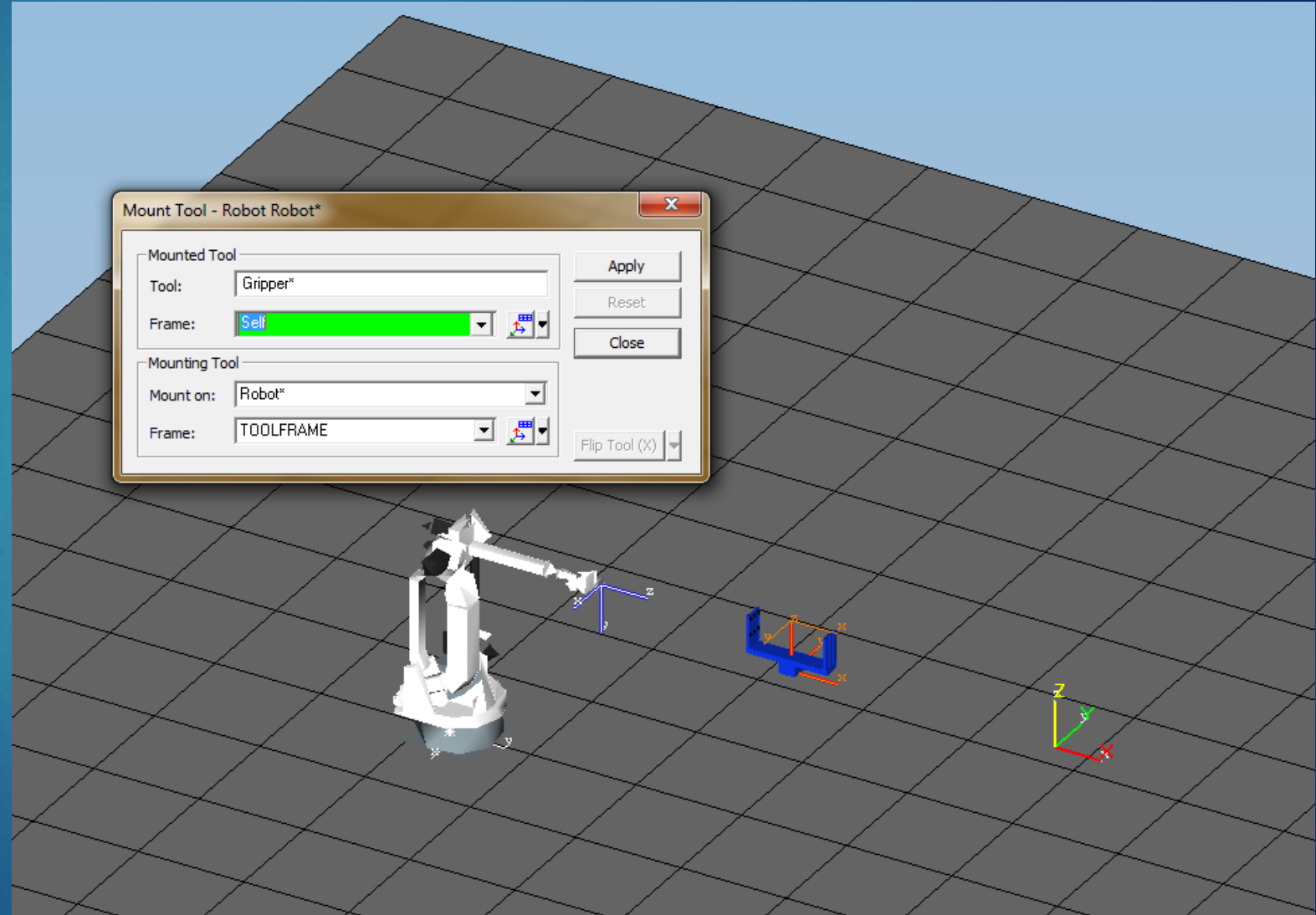
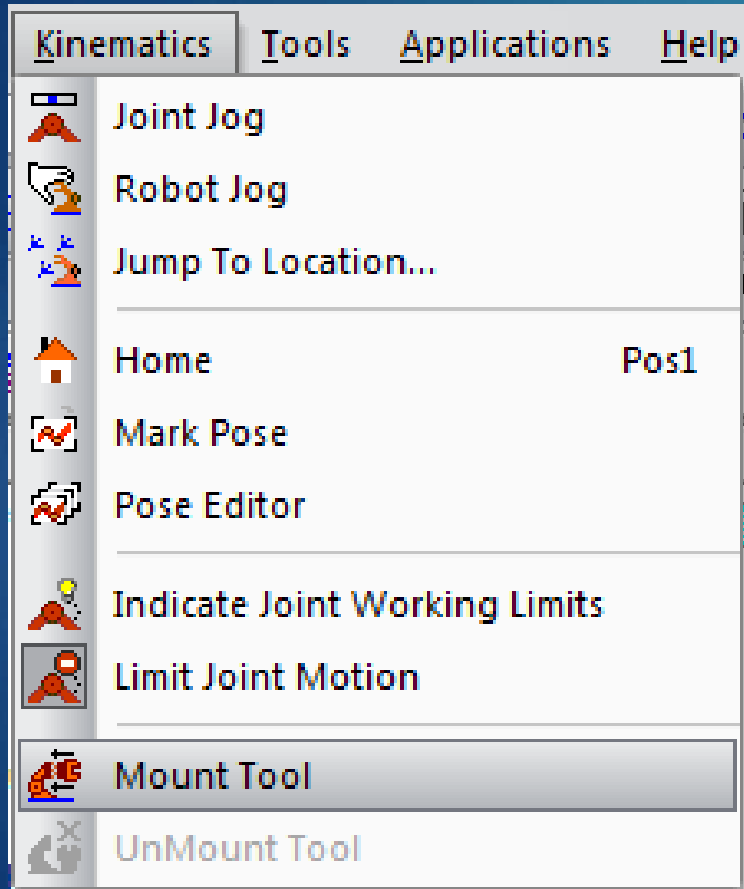
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