Product Loading: Cabin Design & Visualization





#### Are you an attendee in a DigiParaLiftdesigner online training module?

We recommend to print these out in advance so that you have a handout for your own editing and for your notes during your training.



#### PL9.1 General Information

Product Loading Workflow

#### PL9.2 Cabin Configurator

Cabin Configurator Properties

#### PL9.3 Product Loading: Cabin Design Walls

- Car Design
- Car Walls
- Single Car Wall Panels



## iftdesigner 🕫

#### PL9.4 Product Loading: Cabin Design Floor and Ceiling

- Car Ceiling
- Car Floors

#### PL9.5 Product Loading: Cabin Design Wall Components

Mirrors and Hand Rails

#### PL9.6 Product Loading: Cabin Design Ceiling Components

Lights (3D CAD Model)



#### PL9.7 3D Object Settings

- Custom Colors & Surfaces
  - Render Colors
  - Render Surfaces

#### PL9.8 Summary

Custom Q&A's

# PL9.1

## **General Information**





# Loading Workflow – Typical Processes

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PL9.1 GENERAL INFORMATION

## in DigiPara Liftdesigner Datamanager

- Copy a similar BIM Component
- Edit the Meta Data
- Determine related BIM Components

#### in DigiPara Liftdesigner

- Load your edited BIM Component
- Load the Developer Work Area
- Use Explanation of Parameters and Values
- Modify simplified 3D Geometry
- Save the BIM Component back into the DigiPara BIM Library

# Loading Workflow – Preparation Steps

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PL9.1 CREATE AN ELEVATOR WITH THE FOLLOWING SPECIFICATIONS

## Shaft Wizard

- 3 floors
- Typical floor to floor distance 3500
  - Consider travel no
  - Create building floor levels no
- Traction elevator 2:1
- 13 persons / 1000 kg, 1 m/s
- Top machine room
- Car roping
  - 1 pulley top
- Counterweight roping
  - 1 pulley top / Rear
- Sheet Templates
  - CabinApprovalDrawing



# PL9.2

Cabin Configurator





#### Basic training information about Cabin Configurator and Visualization

 The cabin design must be activated to complete the necessary steps for Product Loading, so simple steps are shown in the following slides

 Further information on the basic use of the Cabin Configurator is contained in the following training documents:



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PL9.2 CABIN CONFIGURATOR

## Activate Car Design

When a new elevator project is created in DigiPara Liftdesigner, car design and its components appears inactive

 Initial DigiPara Liftdesigner 2022 - Cabin Configurator



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PL9.2 CABIN CONFIGURATOR

## Activate Car Design

Cabin design must be activated and selected



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PL9.2 CABIN CONFIGURATOR

## Ceiling and related components

Panels

- Lights
- Trap Door

DigiPara Liftdesigner 2022 - Cabin Configurator		– 🗆 X
Objects	Properties	
▲ 🗹 EO	Lock Update Ceiling [Ceiling.]	
🕨 🗹 Car Design	<ul> <li>[0010] Tools</li> </ul>	
<ul> <li>✓ Panels</li> <li>✓ Ceiling Panel Row 0 [PanelRow0.]</li> <li>✓ Ceiling Panel Row 1 [PanelRow1.]</li> <li>✓ Ceiling Panel Row 2 [PanelRow2.]</li> </ul>	Component state         Active           ✓         [0020] General           Manufacturer         Commor           Designation         Standard           Type         With dow	components Ceiling
<ul> <li>Ceiling Panel Row 3 [PanelRow3.]</li> <li>Lights</li> <li>Light 0 [L0.]</li> </ul>	<ul> <li>[0021] Standard Ceiling</li> <li>Decorative ceiling height [mm] 50</li> <li>(0022) Project Level Geometry Information</li> </ul>	tion
<ul> <li>✓ Light 1 [L1.]</li> <li>✓ Light 2 [L2.]</li> <li>✓ Light 3 [L3.]</li> <li>✓ Light 4 [L4.]</li> <li>✓ Light 5 [L5.]</li> <li>✓ Light 6 [L6.]</li> <li>✓ Light 7 [L7.]</li> <li>✓ Light 8 [L8.]</li> <li>✓ Light 9 [L9.]</li> <li>✓ Light 10 [L10.]</li> <li>✓ Light 11 [L11.]</li> </ul>	Create geometry       By parent         Create geometry status       Create         V       [0110] General         Car height [mm]       2000         Ceiling thickness [mm]       20         V       [0545] Ceiling Frame         Clearance setting       Identical         Frame Clearance       30         Frame width setting       Identical         Frame Width       1	clearances frame widths
<ul> <li>Irap Door</li> <li>Front Wall</li> <li>Rear Wall</li> <li>Left Wall</li> <li>Right Wall</li> <li>Car Operating Panels</li> <li>Floor</li> </ul>	3D-View	×
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PL9.2 CABIN CONFIGURATOR



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PL9.2 CABIN CONFIGURATOR

#### Car Operating Panels

- COP 1
- COP 2
- COP 3
- COP 4

Lock Update Car Operating Panel 0	[Panel0.]
Component state	
Component State	Active
<ul> <li>[0020] General</li> </ul>	
Manufacturer	Common components
Designation	Cabin display
Туре	Installation in cabin
[0022] Project Level Geometry	etry Information
Create geometry	By parent
Create geometry status	Create
[0332] Hall Button and Ind	licators
Entrance situation	
<ul> <li>[0333] Car Operating Pane</li> </ul>	4
Integrated into Car Wall	No
Left Clearance [mm]	0
Width of the Panel [mm]	110
Right Clearance [mm]	0
COP breaks Bumper Rails	No
COP breaks Kick Plates	No
COP breaks Mirrors	No
COP breaks Hand Rails	No
✓ [0671] Number && Location	on
Number of car panels	Three Panels
Position	On the right car wall
Determine position by	X0
X0 [mm]	2000
X1 [mm]	100
	Manufacturer         Designation         Type         (0022) Project Level Geom         Create geometry         Create geometry status         (0332) Hall Button and Inc         Entrance situation         (0333) Car Operating Pane         Integrated into Car Wall         Left Clearance [mm]         Width of the Panel [mm]         Right Clearance [mm]         COP breaks Kick Plates         COP breaks Mirrors         COP breaks Hand Rails         V       [0671] Number && Location         Number of car panels         Position         Determine position by         X0 [mm]         X1 [mm]

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PL9.2 CABIN CONFIGURATOR

#### Floor

Panels



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PL9.2 CABIN CONFIGURATOR

Result Layout



CabinApprovalDrawing

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DigiPara<sup>®</sup> Liftdesigner Online Training – PL9 Product Loading: Cabin Design & Visualization | © 2024, DigiPara GmbH

# PL9.3

Product Loading: Cabin Design Walls





#### **General Information** PL9.3 PRODUCT LOADING: CABIN DESIGN WALLS

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#### Roadmap

Step 3: Car Designs

Step 2: Car Walls (Front-, Rear-, Left-, Right Wall)

Step 1: Single Car Wall Panels



## **General Information**

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#### PL9.3 PRODUCT LOADING: CABIN DESIGN WALLS



Copy a similar BIM Component

## Car Design PL9.3 PRODUCT LOADING: CABIN DESIGN WALLS

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#### Find a similar BIM Component

• in DigiPara Liftdesigner

- Manufacturer / BIM Library
- Unique RID number



## Car Design PL9.3 PRODUCT LOADING: CABIN DESIGN WALLS

## igipara<sup>®</sup> liftdesigner

#### Copy a similar Component

• in DigiPara Liftdesigner Datamanager

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	111400000	Steel Cabin Design	With U-shaped panels	111400000	111400078	111400000	111400001		Cabin Design Wall Components				
- •	1114000	Steel Cabin Design	With C-shaped panels	1114000	111400078	111400004	111400005		Car Designs 🚺				
3	111400002	Panorama Cabin Design	With U-shaped panels	111400000	0	111400008	111400009		Car Walls				
	111400003	Panorama Cabin Design	With C-shaped panels	111400000	0	111400012	111400013		- Single Car Wall Panels				
	111400004	Panorama Cabin Design	Without lateral profiles at panels	111400000	111400078	111400016	111400017		- Mirrors				
	111400005	Steel Cabin Design	With U-shaped panels and decorative corner	rs 111400000	111400078	111400000	111400001		- Single Mirror Items				
	111400006	Steel Cabin Design	With C-shaped panels and decorative corner	rs 111400000	111400078	111400004	111400005		Hand Rails				
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## Car Design PL9.3 PRODUCT LOADING: CABIN DESIGN WALLS

## igipara<sup>®</sup> liftdesigner

#### Copy a similar Component

• The BIM Component is copied with all parameter and values to a new manufacturer / DigiPara BIM





## Car Wall 1 (Front) PL9.3 PRODUCT LOADING: CABIN DESIGN WALLS

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#### Find a similar BIM Component

• in DigiPara Liftdesigner

- Manufacturer / BIM Library
- Unique RID number



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[0022]	Project Level Geometry	Information	
Create	Geometry	By parent	
Create	Geometry status	Create	
[0530]	Panel Arrangement		
Panel a	rrangement	Automatically	
Number	r of Panels	2	
Distribu	ution starts	in the left comer	
First Pa	anel starts	At the side	
Distribu	ution start [mm]	0	
[0531]	Panel Size		
Default	Panel Width [mm]	350	
Maximu	um Panel width extension [	mr 100	
<ul><li>[3635]</li></ul>	View Frame Settings		
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Dash		No	
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<ul><li>[3805]</li></ul>	Render		
All avai	lable Surfaces	2	
[4210]	Product Administration		
	name	LDXCarWall, idCarWall	
Object			

## Car Wall 2 (Rear) PL9.3 PRODUCT LOADING: CABIN DESIGN WALLS

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#### Find a similar BIM Component

• in DigiPara Liftdesigner

- Manufacturer / BIM Library
- Unique RID number



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## Car Wall 3 (Left) PL9.3 PRODUCT LOADING: CABIN DESIGN WALLS

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#### Find a similar BIM Component

• in DigiPara Liftdesigner

- Manufacturer / BIM Library
- Unique RID number



Prop	perties	<b>д X</b>				T	9
Lock	Wall Left [Wall3.]		l r				N N
~	[0010] Tools						$     \rangle$
	Component state	Active					
~	[0020] General	C C11 C 1					
	Designation	Common Cabin Components					
	Designation	Steel Cabin					
	Type	Left Wall (3) with C-shaped panels					
~	[UU22] Project Level Geometry Im	Descent			 ו		
	Create Geometry	By parent					
	Create Geometry status	Create					
*	Danel arrangement	Automatically					
	Number of Decels	F					
	Distribution starts	o in the left comer					
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	Distribution start [mm]	AL THE SIDE					
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~	[3635] View Erame Settinge	100					
	Representation	Default (by Frame)					
	Dash	No.					
	Extended Dimension	No					
~	[3805] Render	110					
	All available Surfaces	2					
	[4210] Product Administration						
	Object name	LDXCarWall_idCarWall	M^4				$\sim$ $   $
	RID	111400006					

## Car Wall 4 (Right) PL9.3 PRODUCT LOADING: CABIN DESIGN WALLS

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#### Find a similar BIM Component

• in DigiPara Liftdesigner

- Manufacturer / BIM Library
- Unique RID number





## Car Walls PL9.3 PRODUCT LOADING: CABIN DESIGN WALLS

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#### Copy a similar Component

in DigiPara Liftdesigner Datamanager



## Car Walls PL9.3 PRODUCT LOADING: CABIN DESIGN WALLS

## 🕫 digipara liftdesigner

#### Copy a similar Component

 The BIM Component is copied with all parameter and values to a new manufacturer / DigiPara BIM Library.



Single Car Wall Panels
Copy a similar BIM Component

## Single Car Wall Panels PL9.3 PRODUCT LOADING: CABIN DESIGN WALLS

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### Find a similar BIM Component

• in DigiPara Liftdesigner

- Manufacturer / BIM Library
- Unique RID number

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		Component state	Active	11	
1	/	[0020] General			
		Manufacturer	Common Cabin Components		
Y		Designation	Steel panel		
		Туре	C-shaped		
1	/	[0022] Project Level Geometry In	nformation		
		Create Geometry	By parent		
		Create Geometry status	Create		
1	/	[0540] Panel Dimensions			
		Left Gap [mm]	0		
		Width [mm]	350		
		Right Gap [mm]	0		
1	/	[3635] View Frame Settings			
		Representation	Default (by Frame)		
		Dash	No		
		Extended Dimension	No		
1	/	[3805] Render			
		All available Surfaces	2		
1	/	[4210] Product Administration			
		Object name	LDXCarWallPanel, idCarWallPanel		
		RID	111400002		
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## Single Car Wall Panels PL9.3 PRODUCT LOADING: CABIN DESIGN WALLS

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#### Copy a similar Component

• in DigiPara Liftdesigner Datamanager

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#### Copy a similar Component

• The BIM Component is copied with all parameter and values to a new manufacturer / DigiPara BIM



# Car Design Walls Edit the Meta Data & Determine related BIM Components
#### 🕫 digipara<sup>®</sup> liftdesigner

#### **Description: Single Car Wall Panels**

Add a new specific description for the new copied BIM Component



### 🕫 digipara liftdesigner

#### Parameters and Values: Single Car Wall Panels

- The corresponding developer file (.dwg) with explanations about the BIM Component parameters is loaded automatically:
  - C:\ProgramData\DigiPara\2018\dcc\DataPool\develop er\dwg

Single	e Car Wall Pan	iels 🗙 C	ar Walls Car	Designs		
Liftd	esigner Datan	nanager: Dr	ag a column head	der here to g	roup by that columr	ı.
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#### igipara<sup>®</sup> liftdesigner

#### **Description: Car Walls**

• Add a new specific description for the new copied BIM Component

Car	r Walls 🗙											
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	CDW_RID	CDW_DESC	CDW_SUB_DESC	CDW_MF_RID	CDW_PG_GRP	CD						
	7500000	TrainingExample_Steel Cabin	Front Wall (1) with C-shaped panels_TrainingExample	7500000	7500004	11						
	7500001	TrainingExample_Steel Cabin	Rear Wall (2) with C-shaped panels_TrainingExample	7500000	7500005	11						
	7500002	TrainingExample_Steel Cabin	Left Wall (3) with C-shaped panels_TrainingExample	7500000	7500005	11						
	7500003	TrainingExample_Steel Cabin	Right Wall (4) with C-shaped panels_TrainingExample	7500000	7500005	11						
-			• •									

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#### Parameters and Values: Car Walls

Define size and arrangement



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PL9.3 PRODUCT LOADING: CABIN DESIGN WALLS

#### Related BIM Components: Car Walls

Assign the created Single Car Wall Panels to the Car Walls



### 🕫 digipara<sup>®</sup> liftdesigner

PL9.3 PRODUCT LOADING: CABIN DESIGN WALLS

#### Description: Car Design

Add a new specific description for the new copied BIM Component



#### igipara<sup>®</sup> liftdesigner

PL9.3 PRODUCT LOADING: CABIN DESIGN WALLS

#### Related BIM Components: Car Design

Assign the created Car Walls to the Car Design

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## Load your edited BIM Component

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**4 X** 

PL9.3 PRODUCT LOADING: CABIN DESIGN WALLS

• ... in DigiPara Liftdesigner



Breadcrumb

## Rule Editor: Wall Front Special Assignment

#### Options & Rules PL9.3 PRODUCT LOADING: CABIN DESIGN WALLS

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#### Rule Editor: Wall Front



#### Options & Rules PL9.3 PRODUCT LOADING: CABIN DESIGN WALLS

#### igipara liftdesigner

#### Rule Editor: Wall Front

Assignment

Matrix rule - [Shaft	atrix rule - [Shaft0.Car.Design.Wall1.Rules.Rule0.]											
IX	A1	A2	A3	A4								
-1	Me.L_CarWallTab.CDW_USER_PG_50	Me.L_CarWallTab.CDW_USER_PG_51	Me.L_CarWallTab.CDW_USER_PG_52	Me.L_CarWallTab.CDW_USER_PG_53								
c	LD("Me.Parent.Parent.Door1.L_DoorDimTab.DD_DW	") LD("Me.Parent.Parent.Door1.HEIGHT")	LD("Me.Parent.Parent.EL1")	LD("Me.Panel0.Profile0.L_ProfilTab.P_B")								
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# Rule Editor: Cabin Design Special Assignment

#### Options & Rules PL9.3 PRODUCT LOADING: CABIN DESIGN WALLS

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#### Rule Editor: Cabin Design

Corners

#### 📶 DigiPara Liftdesigner 2022 - Kule Editor

ule C	Components			
	LDXRULES_ACTIVE	LDXRULES_PARENTDESCRIPTION	LDXRULES_TREENAME	LDXRULES_SAVETODB
-	V	Ceiling Panel 0	Shaft0.Car.Design.Ceiling.Panels.PanelRow1.Panel0.Rules.	No changes
-	V	Ceiling Panel 1	Shaft 0. Car. Design. Ceiling. Panels. Panel Row 1. Panel 1. Rules.	No changes
-	V	Ceiling	Shaft0.Car.Design.Ceiling.Rules.	No changes
•		Design	Shaft0.Car.Design.Rules.	No changes
-		Headroom Unit	Shaft 0. Overhead Unit. Rules.	No changes
-		Sheet frame 2	Sheets.LdvSheet2.LdvFrame2.Rules.	$PG_{GRP} = 0$
-		Sheet frame 8	Sheets.LdvSheet3.LdvFrame8.Rules.	$PG_{GRP} = 0$

Rule	s - [Me. = Sha	ft0.Car.De	sign.]								
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## igipara<sup>®</sup> liftdesigner

# PL9.4

Product Loading: Cabin Design Floor and Ceiling





## **General Information**

PL9.4 PRODUCT LOADING: CABIN DESIGN FLOOR AND CEILING

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#### Roadmap

Step 4: Car Ceilings

Step 3: Ceiling Panels

Step 2: Ceiling Panel Rows

Step 1: Single Ceiling Panel Items

Step 4: Car Floors

Step 3: Floor Panels

Step 2: Floor Panel Rows

Step 1: Single Floor Panel Items



Copy a similar BIM Component

## Car Ceilings Panel Items & Car Ceiling Panel Rows

### igipara<sup>®</sup> liftdesigner

PL9.4 PRODUCT LOADING: CABIN DESIGN FLOOR AND CEILING



## Car Ceilings Panels & Car Ceiling

PL9.4 PRODUCT LOADING: CABIN DESIGN FLOOR AND CEILING

### 🕫 digipara liftdesigner



#### Page - 54 -May 23, 2024

Find out:

## Single Ceiling Panel Items

#### igipara<sup>®</sup> liftdesigner

PL9.4 PRODUCT LOADING: CABIN DESIGN FLOOR AND CEILING

#### Copy a similar Component

• in DigiPara Liftdesigner Datamanager



## Single Ceiling Panel Items

### 🕫 digipara liftdesigner

PL9.4 PRODUCT LOADING: CABIN DESIGN FLOOR AND CEILING

#### Copy a similar Component

The BIM Component is copied with all parameter and values to a new manufacturer / DigiPara BIM 



## Car Ceiling Panel Rows, Panels and Ceiling

### igipara<sup>®</sup> liftdesigner

PL9.4 PRODUCT LOADING: CABIN DESIGN FLOOR AND CEILING

#### Copy a similar Component

Ceiling Panel Rows Car Ceilings Ceiling Panels Ceiling Panel Rows Single Ceiling Panel Items Liftdesigner Datamanager: Drag a column header here to group by that column. Copy BIM CCPR\_PG\_GRP CCPR\_CCP\_RID CCPR\_MODE CCPR DESC CCPR SUB DESC CCPR MF RID Components CCPR RID 111400000 Ceiling Panel R... Standard Row Grid Rows 111400000 111400058 111400000 0 • Ceiling Panels Ceiling Panel Rows Single Ceiling Panel Items Car Ceilings Same Copy BIM **Components** process Liftdesigner Datamanager: Drag a column header here to group by that column. Ceiling Panels CCPS\_PG\_GRP CCPS\_CCPR\_RID CCPS RID CCPS DESC CCPS SUB DESC CCPS MF RID CCPS\_MODE 111400000 Ceiling Panel Group Standard Group 111400000 111400037 111400000 7 111400003 Ceiling Panel Group Drop Panel Group 111400000 111400037 7 111400000

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Car Ceilings

## Car Ceilings Edit the Meta Data & Determine related BIM Components

## Edit the Meta Data

#### igipara<sup>®</sup> liftdesigner

PL9.4 PRODUCT LOADING: CABIN DESIGN FLOOR AND CEILING

#### **Description: Single Ceiling Panel Items**

Add a new specific description for the new copied BIM Component

Home Options	
Training [C:\POOL_180\Training\Data\LD50.mdf]       75:LD-Developer	
성명 Sort modules by description Edit Database Settings	Components Grid Rows Grid
Car Ceilings Ceiling Panels Ceiling Panel Rows Single Ceiling Panel Items 💉	Table view Kick Plates Lift dosignor RIM
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## Edit the Meta Data & Determine related BIM Components 🛛 🖻 digipara liftdesigner

PL9.4 PRODUCT LOADING: CABIN DESIGN FLOOR AND CEILING

#### **Description & Assignment: Ceiling Panel Rows**

Assign the created Single Ceiling Panel Item to the Ceiling Panel Row



## Edit the Meta Data & Determine related BIM Components 🛛 💀 digipara® liftdesigner

PL9.4 PRODUCT LOADING: CABIN DESIGN FLOOR AND CEILING

#### Description & Assignment: Ceiling Panels

sign the creat	ted <b>Ceiling P</b>	anel Row to t	he <b>Ceiling Panels</b>		Assigr Panel	n the new Ceilin Row you created
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## Edit the Meta Data

PL9.4 PRODUCT LOADING: CABIN DESIGN FLOOR AND CEILING

#### igipara<sup>®</sup> liftdesigner

#### Panel Settings: Ceiling Panels

Define Panel Columns and Rows



[0250] Ceiling Panel Columns

## Edit the Meta Data

#### 🕫 digipara liftdesigner

PL9.4 PRODUCT LOADING: CABIN DESIGN FLOOR AND CEILING

#### **Description: Car Ceilings**

Add a new specific description for the new copied BIM Component



#### 🕫 digipara<sup>®</sup> liftdesigner

PL9.4 PRODUCT LOADING: CABIN DESIGN FLOOR AND CEILING

#### Related BIM Components: Car Ceilings

Assign the created Ceiling Panels to the Car Ceilings



#### 🕫 digipara liftdesigner

PL9.4 PRODUCT LOADING: CABIN DESIGN FLOOR AND CEILING

#### Related BIM Components: Car Designs

• Assign the created **Car Ceilings** to the **Car Designs** 



## Rule Editor: Cabin Ceiling Annotate & Special Assignment

#### Options & Rules PL9.4 PRODUCT LOADING: CABIN DESIGN FLOOR AND CEILING

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#### Copy a similar Component Annotate

 Copy the notes of a similar Component to the newly copied product

> These notes will help us when creating a rule or changing an existing rule in our new ceiling

Home O	ations			_					
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#### Options & Rules PL9.4 PRODUCT LOADING: CABIN DESIGN FLOOR AND CEILING

### 🕫 digipara<sup>®</sup> liftdesigner

#### Copy a similar Component Annotate

 Copy the notes of a similar Component to the newly copied component

> These notes will help us when creating a rule or changing an existing rule in our new ceiling



## Load your edited BIM Component

#### igipara<sup>®</sup> liftdesigner

PL9.4 PRODUCT LOADING: CABIN DESIGN FLOOR AND CEILING

#### Reload the modified BIM Component

• in DigiPara Liftdesigner

Reload your BIM Component to accept edited values from the DigiPara Liftdesigner Datamanager.



#### **Options & Rules** PL9.4 PRODUCT LOADING: CABIN DESIGN FLOOR AND CEILING

#### igipara<sup>®</sup> liftdesigner

#### **Rule Editor**

Assignment

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#### **Options & Rules** PL9.4 PRODUCT LOADING: CABIN DESIGN FLOOR AND CEILING

#### igipara<sup>®</sup> liftdesigner

#### **Rule Editor**

#### Assignment

atri	atrix rule - [Shaft0.Car.Design.Ceiling.Rules.Rule0.]									
	IX	A1	A2							
-	-1	Me.L_CarCeilingTab.CDC_USER_PG_50	Me.L_CarCeilingTab.CDC_USER_PG_51							
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## Rule Editor: Single Ceiling Panel Items Annotate & Special Assignment
## Options & Rules PL9.4 PRODUCT LOADING: CABIN DESIGN FLOOR AND CEILING

## igipara<sup>®</sup> liftdesigner

#### Copy a similar Component Annotate

 Copy the notes of a similar Component to the newly copied product

> These notes will help us when creating a rule or changing an existing rule in our new ceiling



## Options & Rules PL9.4 PRODUCT LOADING: CABIN DESIGN FLOOR AND CEILING

#### Copy a similar Component Annotate

 Copy the notes of a similar Component to the newly copied component

> These notes will help us when creating a rule or changing an existing rule in our new ceiling



## **Options & Rules** PL9.4 PRODUCT LOADING: CABIN DESIGN FLOOR AND CEILING

## igipara<sup>®</sup> liftdesigner

## **Rule Editor**

#### Assignment

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1-		Ceiling Panel 2		Shi	aft0.Car.Design.Ceiling.Panels.Pan	nelRow0.Panel2.Rules.	No changes	5			
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		Ceiling Panel 2		Shi	aft0.Car.Design.Ceiling.Panels.Pan	nelRow1.Panel2.Rules.	No changes	5			
		Ceiling Panel 0		Sha	aft0.Car.Design.Ceiling.Panels.Pan	nelRow2.Panel0.Rules.	No changes	5			
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•		111400019	0	(	Decorative ceieling height		<matrixset></matrixset>			Dimensional assignment	Car Ceiling
	1 DVDv1										

## **Options & Rules**

#### PL9.4 PRODUCT LOADING: CABIN DESIGN FLOOR AND CEILING

## igipara<sup>®</sup> liftdesigner

## **Rule Editor**

#### Assignment



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--- dbl CDC USER PG 54 = 50

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Copy a similar BIM Component

## Car Floors PL9.4 PRODUCT LOADING: CABIN DESIGN FLOOR AND CEILING

## igipara<sup>®</sup> liftdesigner



## Car Floors PL9.4 PRODUCT LOADING: CABIN DESIGN FLOOR AND CEILING

## igipara<sup>®</sup> liftdesigner

## Find a similar BIM Component

• in DigiPara Liftdesigner

#### Find out:

- Manufacturer / BIM Library
- Unique RID number

		Car Floor	Panels / Panels.	
		Doc	ument. <u>Shaft0.</u> <u>Car.</u> <u>Design.</u> <u>F</u>	loor. Panels. 🔻
		► F	avorites	
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Car F	loors / Floor.		perties	
<u>Do</u>	<u>cument. Shaft0. Car. Design.</u>	loor.	Update Floor Panels [Panels.]	
	Favorites		[0010] Tools	
•	Uptions		Component state	Active
			[0020] General	
Pro	perties		Manufacturer	Common Cabin Components
Loc	k Update Floor [Floor.]		Designation	Standard Group
~	[0010] Tools		I ype	Defined rows and columns
·	Component state	Active	[0022] Project Level Geometry	iniormauon
~	[0020] General		[0827] Floor Panel Columns	
	Manufacturer	Common Cabin Components	[0828] Floor Panel Rows	
	Designation	Standard Car Floor	[3635] View Frame Settings	
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	Configured Surfaces	靈 450400019	[4210] Product Administration	
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>	[0548] Floor Frame		RID	111400000
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2	[3003] Render			
Ť	Object name	LDXCarFloor_idCarFloor		
	RID	111400000		

#### Single Floor Panel Items PL9.4 PRODUCT LOADING: CABIN DESIGN FLOOR AND CEILING

## igipara<sup>®</sup> liftdesigner

#### Copy a similar Component

- in DigiPara Liftdesigner Datamanager
- The BIM Component is copied with all parameter and values to a new manufacturer / DigiPara BIM Library.

				Di	giPara Liftdesign
Home Options					
Training [C:\POOL_180\Training\Dat	a\LD50.mdf]			- 🔊 🔒	
1114:Common Cabin Componen	ts		r		
Sort modules by description				- 🗟	Copy BIM Components
Ec	lit Database Setting	S		Grid	Rows
Car Floors Floor Panels Flo	oor Panel Rows	Single Floor Pa	inel Items 🗙		
Liftdesigner Datamanager: Drag a c	olumn header her	e to group by th	at column.		
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111400000 Standard Floo	r Pan Defined ro	ws and colum	111400000	111400029	0
111400001 Standard Floor	Panel Defined par	nel size	111400000	111400029	0

## Car Floor Panel Rows, Panels and Floors

## iftdesigner 🕫

PL9.4 PRODUCT LOADING: CABIN DESIGN FLOOR AND CEILING

## Copy a similar Component

Floor Panel Rows

Car Floors X Floor	Panels Floor Pan	el Rows 🗙 Single Floor Pane	el Items		
Liftdesigner Dataman	ager: Drag a column	header here to group by that	column.		
CFPR_RID	CFPR_DESC	CFPR_SUB_DESC	CFPR_MF_RID	CFPR_PG_GRP	CFPR_CFP_RID
111400000	Standard Floor Panel	R Defined rows and colum	111400000	111400061	111400000
111400001	Standard Floor Panel F	Row Defined panel size	111400000	111400061	111400001
Car Floors Floor	r Panels 🗙 Floor	Panel Rows Single Floo	or Panel Items		
Liftdesigner Datama	anager: Drag a colu	imn header here to group b	y that column.		
CFPS_RID	CFPS_DESC	CFPS_SUB_DESC	CFPS_MF_RID	CFPS_PG_GRP	CFPS_CFPR_RID
▶ 111400000	Standard Group	Defined rows and colum	111400000	111400038	111400000
111400001	Standard Group	Defined panel size	111400000	111400038	111400001



**Floor Panels** 

Car Floors	¥ Floor	Panels Floor P	anel Rows Single Floor	Panel Items	
Liftdesigner	Datama	nager: Drag a colum	nn header here to group by	that column.	
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→ 111	400000	Standard Car Flo	Defined rows and colum	111400000	111400060
11	1400001	Standard Car Floor	Defined panel size	111400000	111400060

Car Floors 

## **V** Car Floors

Edit the Meta Data & Determine related BIM Components

## igipara liftdesigner

PL9.4 PRODUCT LOADING: CABIN DESIGN FLOOR AND CEILING

## **Description: Single Floor Panel Items**

Add a new specific description for the new copied BIM Component



## Edit the Meta Data & Determine related BIM Components 🛛 👀 digipara liftdesigner

PL9.4 PRODUCT LOADING: CABIN DESIGN FLOOR AND CEILING

#### **Description & Assignment: Floor Panel Rows**

Assign the created Single Floor Panel Item to the Floor Panel Row



## Edit the Meta Data & Determine related BIM Components 🛛 🖻 digipara liftdesigner

PL9.4 PRODUCT LOADING: CABIN DESIGN FLOOR AND CEILING

#### Description & Assignment: Floor Panels

Assign the created Floor Panel Rows to the Floor Panels



Assign the new **Floor Panel Rows** you created.

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PL9.4 PRODUCT LOADING: CABIN DESIGN FLOOR AND CEILING

#### Panel Settings: Floor Panels

Define Panel Columns and Rows



## Edit the Meta Data & Determine related BIM Components 🛛 🖻 digipara liftdesigner

PL9.4 PRODUCT LOADING: CABIN DESIGN FLOOR AND CEILING

## Description & Related BIM Components: Car Floors

• Assign the created **Floor Panels** to the **Car Floor** 



## Edit the Meta Data & Determine related BIM Components 🛛 💀 digipara liftdesigner

PL9.4 PRODUCT LOADING: CABIN DESIGN FLOOR AND CEILING

#### Related BIM Components: Car Designs

• Assign the created **Car Floors** to the **Car Designs** 



## Load your edited BIM Component

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PL9.4 PRODUCT LOADING: CABIN DESIGN FLOOR AND CEILING

## Reload the modified BIM Component

• in DigiPara Liftdesigner

Reload your BIM Component to accept edited values from the DigiPara Liftdesigner Datamanager.



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# PL9.5

Product Loading: Cabin Design Wall Components





Mirrors and Hand Rails
Copy a similar BIM Component

## Mirrors and Hand Rails – Mirrors

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PL9.5 PRODUCT LOADING: CABIN DESIGN WALL COMPONENTS



## Mirrors and Hand Rails – Handrails

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PL9.5 PRODUCT LOADING: CABIN DESIGN WALL COMPONENTS



## Mirrors and Hand Rails – Mirrors

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PL9.5 PRODUCT LOADING: CABIN DESIGN WALL COMPONENTS

#### Copy a similar Component

• Single Mirror Items



Mirrors

## Mirrors and Hand Rails – Hand Rails

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PL9.5 PRODUCT LOADING: CABIN DESIGN WALL COMPONENTS

### Copy a similar Component

• Single Hand Rail Items





Hand Rails

# Mirrors and Hand Rails Edit the Meta Data & Determine related BIM Components

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PL9.5 PRODUCT LOADING: CABIN DESIGN WALL COMPONENTS

#### **Description: Single Mirror Items**

Add a new specific description for the new copied BIM Component

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▶ 7500000 Trainin	gExample_Mirror	Mirror - Thickness 5 mm_Training	Example	7	500000	7500018				5

## Edit the Meta Data & Determine related BIM Components 🛛 🗐 digipara liftdesigner

PL9.5 PRODUCT LOADING: CABIN DESIGN WALL COMPONENTS

#### **Description & Assignment: Mirrors**

Assign the created Single Mirror Item to the Mirrors



PL9.5 PRODUCT LOADING: CABIN DESIGN WALL COMPONENTS

## igipara<sup>®</sup> liftdesigner

#### Area Settings: Mirrors

Define the positions [0260] Mirror Area CMIRS\_X0 350 mm Mirrors Single Mirror Items Hand Rails Single Hand Rail Items CMIRS\_X1 Liftdesigner Datamanager: Drag a column header here to group by that column. mm 350 CMIRS X1 CMIRS\_CMIR\_WDTH CMIRS\_X0 CMIRS\_Z0 CMIRS\_Z1 CMIRS\_CLR 350 350 700 1450 0 0 CMIRS\_Z0 mm 700

CMIRS\_Z1

0

mm

## igipara<sup>®</sup> liftdesigner

PL9.5 PRODUCT LOADING: CABIN DESIGN WALL COMPONENTS

#### **Description: Single Hand Rail Items**

Add a new specific description for the new copied BIM Component

Μ	lirror	s Single M	irror Items	Hand Rails	Single Hand Rail Items 🛛 🗙				
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PL9.5 PRODUCT LOADING: CABIN DESIGN WALL COMPONENTS

## igipara<sup>®</sup> liftdesigner

#### Dimension Settings: Single Hand Rail Items

Define length, height and depth dimensions

Mirrors X Si	ngle Mirror Items	Hand Rails	Single Hand Ra	ail Items 🛛 🗙		
Liftdesigner D	atamanager: Drag a (	column header l	here to group b	y that column.		
CHR_WIDTH	CHR_WIDTH_MAX	X_EXTENSION	CHR_DY	CHR_DZ	CHR_Z0	CHR_MIN_WD
1200		100	30	100	900	



0

## Edit the Meta Data & Determine related BIM Components 🛛 🖻 digipara liftdesigner

PL9.5 PRODUCT LOADING: CABIN DESIGN WALL COMPONENTS

#### Description & Assignment: Hand Rails

			=		-			
Mirrors	Single M	irror Items Hand Rails X Sin	gle Hand Rail Items				L	
Liftdesig	gner Datama	nager: Drag a column header here	to group by that column.					
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					📃 🛛 X0 a	t car center		16
					V First	rail centered	(else left/right aligned)	10
								_

## igipara<sup>®</sup> liftdesigner

PL9.5 PRODUCT LOADING: CABIN DESIGN WALL COMPONENTS

## Area & Size Settings: Hand Rails

Define the position and size



## Edit the Meta Data & Determine related BIM Components 🛛 🖻 digipara liftdesigner

PL9.5 PRODUCT LOADING: CABIN DESIGN WALL COMPONENTS

#### **Related BIM Components: Car Walls**

• Assign the created Mirrors & Hand Rails to the Car Walls

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s 🗙					
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7500000	TrainingExample_Steel Cabin	Front Wall (1) with C-shaped	panels	0	0
7500001	TrainingExample_Steel Cabin	Rear Wall (2) with C-shaped	panels	7500000	7500000
7500002	TrainingExample_Steel Cabin	Left Wall (3) with C-shaped p	anels	0	7500000
	TrainingExample_Steel Cabin	Right Wall (4) with C-shaped	panels	0	7500000
7500003					

## igipara<sup>®</sup> liftdesigner

# PL9.6

Product Loading: Cabin Design Ceiling Components





# Preparation Steps

## Lights (CAD Model) – Product Loading Workflow

PL9.6 PRODUCT LOADING: CABIN DESIGN CEILING COMPONENTS

## **Typical Processes**

- in DigiPara Liftdesigner Datamanger
  - Copy a similar BIM Component
  - Edit the Meta Data
- in DigiPara Liftdesigner
  - Load your edited BIM Component
  - Load the Developer Work Area
  - Add, align and position your CAD Model
  - Delete unneeded DigiPara Liftdesigner profiles
  - Save the BIM Component back into the BIM Library

## **Optional Steps**

- in DigiPara Liftdesigner Datamanger
  - Define new Product Options

- in DigiPara Liftdesigner
  - Reload the modified BIM Component
  - Assign the created Product Options
  - Redefine Rules Options
  - Check the new Product Options

🕫 digipara liftdesigner

## Product Loading: Lights (CAD Model) Typical Processes
# General Information

PL9.6 PRODUCT LOADING: CABIN DESIGN CEILING COMPONENTS

#### Roadmap

Step 2: Lights

Step 1: Single Light Items



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# Product Loading: Lights – Typical Processes

Single Light House

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#### Copy a similar Component

Single Light Items





Lights

Liftdesigner Datamanager: Drag a column header here to group by that column.									
CLS_DESC	CLS_SUB_DESC	CLS_MF_RID CLS_PG_GR							
Standard Lighting	Downlights	111400000	111400041						
Standard Lighting	Indirect	111400000	111400041						
Standard Lighting	Squared	111400000	111400041						
	nager: Drag a column CLS_DESC Standard Lighting Standard Lighting Standard Lighting	CLS_DESC       CLS_SUB_DESC         Standard Lighting       Downlights         Standard Lighting       Indirect         Standard Lighting       Squared	CLS_DESC       CLS_SUB_DESC       CLS_MF_RID         Standard Lighting       Downlights       111400000         Standard Lighting       Indirect       111400000         Standard Lighting       Squared       111400000						

# Product Loading: Lights – Typical Processes

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#### Descriptions, Assignments & related BIM Components

Single Light Items

Lights	Single Light Items	×							
Liftdesign	Liftdesigner Datamanager: Drag a column header here to group by that column.								
	CL_RID	CL_DESC	CL_SUB_DESC	CL_MF_RID	CL_PG_GRP				
۲.	750000	TrainingExample_Standard Lighting	e_Standard Lighting Downlights_TrainingExample		7500023				



Lights

# Product Loading: Lights – Typical Processes

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#### Related BIM Components: Car Ceilings

Assign the created Light to the Car Ceilings



**Rule Editor: Lights**Annotate & Special Assignment

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#### PL9.6 PRODUCT LOADING: CABIN DESIGN CEILING COMPONENTS

#### Copy a similar Component Annotate

 Copy the notes of a similar Component to the newly copied product

> These notes will help us when creating a rule or changing an existing rule in our new ceiling



#### **Options & Rules** PL9.6 PRODUCT LOADING: CABIN DESIGN CEILING COMPONENTS

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#### Copy a similar Component Annotate

Copy the notes of a similar Component to the raining [C(\LD\_POOLS\POOL22\Training\Data\LD50.mdf]
 newly copied component

These notes will help us

when creating a rule or

changing an existing rule in our new ceiling

Options Home 75:LD-Developer Sort modules by description Edit Database Settings Single Light Items Lights Liftdesigner Datamanager: Drag a column header here to group by that colu CL\_RID CL DESC 7500000 TrainingExample\_Standard Lighting Do Add.. L\_CarLightTab C:\LD\_POOLS\POOL22\Training\Data\LD50.mdf 7500000 Annotate Standard W Courier New ▼ 10 User PGs P50 - Decorative ceiling height rule P H - Lighting intensity rule Ctrl + V

# Load your edited BIM Component

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PL9.6 PRODUCT LOADING: CABIN DESIGN CEILING COMPONENTS

#### Reload the modified BIM Component

• in DigiPara Liftdesigner

Reload your BIM Component to accept edited values from the DigiPara Liftdesigner Datamanager.



#### **Options & Rules** PL9.6 PRODUCT LOADING: CABIN DESIGN CEILING COMPONENTS

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#### **Rule Editor**



#### **Options & Rules** PL9.6 PRODUCT LOADING: CABIN DESIGN CEILING COMPONENTS

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#### Rule Editor

Matrix rule - [Shaft0.Car.Design.Ceiling.Lights.Rules.Rule0.]									
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	-1	LD("Me.L_CarLightsTab.CLS_USER_PG_51")=	LD("Me.L_CarLightsTab.CLS_USER_PG_52")=	Me.Profile0.L_ProfilTab.P_H					
_	0	0	0	0					
_	1	100	0	100					
_	2	0	1	0					
	3	100	1	0					
Ligh Lift	ts x designer Datamana CLS_RID ▶ 7500000 Train	ger: Drag a column header here to group by that column.          CLS_DESC       >       CLS_USER_PG_50       CLS_USER         ningExample_Standard Lighting       Downl       20	R_PG_51 CLS_USER_PG_52 CLS 100 0	P_H parameter of the specific DigiPara Liftdesigner geometry for ambient light					

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PL9.6 PRODUCT LOADING: CABIN DESIGN CEILING COMPONENTS

#### **Rule Editor**

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		Document. Sha Panels. PanelRo	aft0. Car. ow0. <mark>Pan</mark>	Design. el <mark>0.</mark> ▼	Ceiling.	→	<b>f</b> x Rule Editor				
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_		Light 1			Shaft0.Car.Design.Ceiling.Lights.L1	.Rules.	No changes				
_		Light 10			Shaft0.Car.Design.Ceiling.Lights.L1	0.Rules.	No changes				
	- Light 11 Shaft0.Car.Design.Ceiling.Lights.L11.Rules.			1.Rules.	No chang	es					
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┍▶		7500023	0		0 Decorative ceiling height		<matrixset></matrixset>			Dimensional assignment	t Car Ceiling
		7500023	1		0 Lighting intensity		<matrixset></matrixset>			Dimensional assignment	Car Lights

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#### **Rule Editor**



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#### **Rule Editor**



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#### **Rule Editor**



# Load the Developer Work Area

# Load the Developer Work Area

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... in DigiPara Liftdesigner via the BIM Component



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#### Add your CAD Model

 ... using a Developer section view in the DigiPara Liftdesigner Developer Work Area



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#### Add your CAD Model

• The CAD Model is located at the base point of the BIM Component.

	🔡 DigiPara Liftdesigner 2022 - Open file			×
	$\leftrightarrow$ $\rightarrow$ $\uparrow$ $\uparrow$ $\sim$ Training_CAD $\rightarrow$ DP-STP C	L02 0000 00 V C	Search DP-STP CL	_02 0000 00
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Shaft0.Car.Design.Ceiling.Lights	LO. > Volume (D:			
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A 3D CAD File on my Computer	> 🚞 \$9D77ED76			
Select CAD Model File	File name: DP-STP CL02 0000 01.STEP	<u> </u>	STEP Files (*.step,*.stp,'	*.stpz) ~
			Open	Cancel
O A User Component from the DigiPara BIM Library				

PL9.6 PRODUCT LOADING: CABIN DESIGN CEILING COMPONENTS

#### Align your CAD Model

• ... using X, Y and Z coordinates under the CAD Models tab



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PL9.6 PRODUCT LOADING: CABIN DESIGN CEILING COMPONENTS

#### Position your CAD Model

• ... via a user defined base point in the Properties Window

This option must be for STEP files "Yes: Frozen" to include in saving to the database.

The parent BIM Component will always be selected in non-developer view frames.



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Delete unneeded DigiPara Liftdesigner profiles

## Delete unneeded DigiPara Liftdesigner profiles

PL9.6 PRODUCT LOADING: CABIN DESIGN CEILING COMPONENTS

#### Profile 0 : do not delete

Special DigiPara Liftdesigner geometry for ambient light rules

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	Designation	TrainingExample_Standard I	Center lines	Ov 07	Layer		I his Object belongs to Product Option	0	
	Туре	Downlights_TrainingExample	X	UY UZ	0 (Default)		Intensity	21	
<b> </b> ~	[0021] TrainingExample_Standard Lighting		Short extends		1 (Thin, red)		Ream angle	45	
	Lighting intensity	Moderate			O 3 (Dashed, blue)		Beam spread	20	
11	Ambient Light	On	Shaft		7 (Dash dot, magenta)		< [0517] Position	20	
<b> </b> ~	100221 Project Level Geometry Information		Add	Subtract	11 (Dash dot dot, blue)		X0  [mm] = 0	0	
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				0	K Cancel Help		Show sub objects Manufacturer ID	No 7500000	

Breadcrumb

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## Delete unneeded DigiPara Liftdesigner profiles

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PL9.6 PRODUCT LOADING: CABIN DESIGN CEILING COMPONENTS

#### Delete unneeded DigiPara Liftdesigner Profiles

... via the Additional Objects window



# Save the BIM Component back into the BIM Library

# Save the BIM Component

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PL9.6 PRODUCT LOADING: CABIN DESIGN CEILING COMPONENTS

#### Save the finished defined BIM Component





### Delete unneeded Data

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#### ... in DigiPara Liftdesigner Datamanager



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# **PL9.7**

3D Object Settings



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# **Custom Colors & Surfaces**

PL9.7 3D OBJECT SETTINGS

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#### **Render Colors**

...add your new custom colors via the DigiPara Datamanager



Table view

i⊟ ·· Lift Data

Cabin Design Wall Components

#### Custom Colors & Surfaces PL9.7 3D OBJECT SETTINGS

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#### **Render Colors - Parameters**

 RGBA (red, green, blue, alpha) Value : RGBA color values are an extension of RGB color values with an alpha channel - which specifies the opacity for a color.



# Custom Colors & Surfaces

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PL9.7 3D OBJECT SETTINGS

#### **Render Colors - Parameters**

 RGBA (red, green, blue, alpha) Value : RGBA color values are an extension of RGB color values with an alpha channel - which specifies the opacity for a color.

R	ender Colors 🛛 🗙										
	Liftdesigner Datamanager: Drag a column header here to group by that column.										
	PGOGL_OGL_RID	PGOGL_SC	CALE PGOGL_ANGLE PGOGL		GL_MOI	L_MODE PGOGL_OGL_SCALE		PGOGL_CAD_APPEARANCE			
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	Texture Mo with differ options	odes rent	Option Value: Status	0 elect All Unselect All Designation Texture alignment local to each polygon Texture clamped, not tiled Texture dobject acts as mirror in its x-z-plane Texture aligned to global axes, not local surface Left edge of texture aligned with object edge Right edge of texture aligned with object edge Top edge of texture aligned with object edge Bottom edge of texture aligned with object edge Texture scales are given in inches	Value           8           16           32           64           256           512           1024           ge           2048           4096	List-/Combobox Bit Mask           0		colors and textures can be designed for CAD Views			
					ОК	Cancel Help					

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# Custom Colors & Surfaces

PL9.7 3D OBJECT SETTINGS

#### The created color is now available

• in DigiPara Liftdesigner





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# Custom Colors & Surfaces

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PL9.7 3D OBJECT SETTINGS




PL9.7 3D OBJECT SETTINGS

### **Render Surface**

...add your new custom colors via the DigiPara Datamanager



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### Custom Colors & Surfaces PL9.7 3D OBJECT SETTINGS

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#### You can add your custom surface via the DigiPara Datamanager

 Set a description for the new surface (see figure: DigiPara Logo) and select the texture file (bitmap) in your explorer

Render Surfaces 🛛 🗙	
Liftdesigner Datamanager: Drag a column header here to	roup by that column.
OGL_RID OGL_MF_RID OGL_DE	C OGL_FILENAME OGL_MO
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the file	File name: Your_PL9_Logo
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PL9.7 3D OBJECT SETTINGS

### **Render Surface - Parameters**

in this example these options should be left as they are

Render Surfaces 🛛 🗙											
Liftdesigner Datamanag	er: Drag a column header here	to group by that column.						-			
OGL_BUMP_FILENAME	OGL_EMISSION_FILENAME	OGL_AMBIENT_RGBA	OGL_DIFFUSE_RGBA	OGL_SPECULAR_RGBA	OGL_EMISSION_RG	BA OGL_SHININESS	OGL_BUMP_STRENGTH				
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			OGL_BUMF	P_FILENAME		Path, Bump Map=	file to create different	t texture	e types: e.g. rough surface		
] 4			OGL EMMI	SION FILENAME							
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	ing\Data\LD50 mdf 7500000	OGL_DIFFU	JSE_RGBA		Defines a RGB code for the surface texture						
			OGL_SPEC	ULAR_RGBA		Defines a RGB code for the specular surface					
			OGL_EMISS	SION_RGBA		Defines a RGB code for the emission surface					
			OGL_SHINI	NESS		Defines luminance of the texture					
			OGL_BUMF	_STRENGTH		Defines the opacity of the bump texture					

PL9.7 3D OBJECT SETTINGS

## Assign the new surface to a Render Color

• via the DigiPara Datamanager





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PL9.7 3D OBJECT SETTINGS

## Assign the new surface to a Render Color

• via the DigiPara Datamanager

	Render Surfaces	Render (	Colors 🗙										
Liftdesigner Datamanager: Drag a column header here to group by that column.							r_						
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PL9.7 3D OBJECT SETTINGS

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#### The created surface is now available

• in DigiPara Liftdesigner





#### PL9.7 3D OBJECT SETTINGS

#### The created color is now available

• in DigiPara Liftdesigner



3D View

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## Custom Colors & Surfaces

PL9.7 3D OBJECT SETTINGS

## Render

- Texture Angle
- Texture Scale

can be changed individually



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# PL9.8

Summary & custom Q&A's





# Congratulations You reached the next level



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Your instructor will be available for individual questions after the module training.

training@digipara.com



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