## DigiPara Liftdesigner Fundamentals

JANUARY 8, 2025, ©2024 DIGIPARA GMBH

A

## Recommendation

ONLINE TRAINING

#### Are you an attendee in a DigiPara Liftdesigner 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.

## Agenda

#### igipara<sup>®</sup> liftdesigner

#### A1.1 What is DigiPara Liftdesigner?

- Definition
- Associated applications

#### A1.2 DigiPara Liftdesigner Poolmanager

- Definition
- What is a Datapool?
- Poolmanager settings (create, register, delete)
- DigiPara Cloud insights

Agenda

#### igipara<sup>®</sup> liftdesigner

#### A1.3 First Steps with DigiPara Liftdesigner

- Start Screen & Licensing Information
- Start a new Elevator Project

#### A1.4 Controls & Docking Windows

- User Interface Structure
- Main Control Settings
- Language Settings
- Docking Windows

#### A1.5 <u>Ribbon Overview</u>

Tabs

Agenda

#### iftdesigner 🕫

#### A1.6 Components & Dimensions Basics

- List & Single Components
- Exchange Components
- Edit Dimensions
- User defined Component Dimension

#### A1.7 Floor Levels

- Edit number of floors
- Customize Floor to Floor Distance, Headroom and Pit
- Determine Entrances & Designations
- Sloppy Mode Improve Performance



#### A1.8 2D Drawing Export

- PDF & DWG Export
- Export 3D view as image file
- Import image files

#### A1.9 Practice

- Practice: Shaft Wizard & Floor Levels
- General Practice Door Jamb: Select & Edit Component

#### A1.10 Summary

Custom Q&A's

# **A1.1**

 $\uparrow$ 

What is DigiPara Liftdesigner?

JANUARY 8, 2025, ©2024 DIGIPARA GMBH



#### **Definition** A1.1 WHAT IS DIGIPARA LIFTDESIGNER ?

#### 🕫 digipara liftdesigner

The DigiPara Liftdesigner is a software with many beneficial features which allow you to:

- Create installation and many other drawings in a few minutes
- Fully automate drawing creation processes
- Export complete 3D BIM models with appropriate attributes (for architects)
- Create several shaft groups
- Load your own elevator components into the database and make them available to users worldwide



• • •

#### Associated applications A1.1 WHAT IS DIGIPARA LIFTDESIGNER ?

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

The associated applications **Poolmanage**r and **Datamanager** form a unit together with the DigiPara Liftdesigner



Detailed insight is provided in the upcoming training modules



A1.2

## DigiPara Liftdesigner Poolmanager



#### **Definition** A1.2 DIGIPARA LIFTDESIGNER POOLMANAGER

#### With the **Poolmanager** you can

- manages datapools
  - a list of folders which contain the data necessary for the liftdesigner
- create and activate different datapools
  - e.g. which contain data for different elevator types or projects
- share a global data pool with different users
  - e.g. company-internal
- implement manufacturer libraries
  - e.g. PRISMA Doors into your respective active datapool



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

When the Poolmanager is used, all DigiPara Liftdesigner application need to be closed!

## When is installed DigiPara Liftdesigner for the first time,

What is a datapool?

A1.2 DIGIPARA LIFTDESIGNER POOLMANAGER

### a **datapool** is created automatically.

- The datapool is a list of folders which contains all necessary for the Liftdesigner.
  - Initial Standard Datapool Location:
    C:\ProgramData\DigiPara\2022\dcc\Datapool
- Where to place files:
  - Blocks: title blocks and borders (dwg)
  - CADmodel: CAD Files (for training)
  - Project: Lifdesigner Project Files (.ld3)
  - Sheets: Sheet Templates (ldf, lds)



#### igipara<sup>®</sup> liftdesigner

#### Datapool Settings A1.2 DIGIPARA LIFTDESIGNER POOLMANAGER

#### igipara<sup>®</sup> liftdesigner





#### Add a datapool A1.2 DIGIPARA LIFTDESIGNER POOLMANAGER

#### igipara<sup>®</sup> liftdesigner

#### Create a new Datapool

- 1. Add Datapool
- 2. Create a new Datapool
- 3. Specifying name & path
- 4. DataPool gets created

DigiPara Liftdesigner Poolmanager	2021
Manage Pools	
Standard Data Pool	System UI C:\ProgramData\DigiPara\2021\dcc\DataPool\Data\LD50.mdf
+ Add Datapool	DigiPara Liftdesigner Poolmanager 2021 - Add Datapool –        Add a data pool      What do you want to do?      Create a new data pool      Register an existing data pool

#### **Create a new datapool** A1.2 DIGIPARA LIFTDESIGNER POOLMANAGER

#### igipara<sup>®</sup> liftdesigner

#### Create a new Datapool

#### 1. Add Datapool

- 2. Create a new Datapool
- 3. Specifying name & path
- 4. DataPool gets created

DigiPara Liftdesigner Poolmanager 2021 - Add Datapool	-		×
Create a new data pool			
Pool			
TrainingPool			
Path			
C:\DigiParaLiftdesigner\TrainingPool			
	Back	1	Next

# **Create a new datapool**

#### igipara<sup>®</sup> liftdesigner

#### Create a new Datapool

- 1. Add Datapool
- 2. Create a new Datapool
- 3. Specifying name & path
- 4. DataPool gets created

Summany			
Summary			
Create a new data pool			
- Pool: TrainingPool			
- Path: C:\DigiParaLiftdesigner\TrainingPool\			
'C:\DigiParaLiftdesigner\TrainingPool\Data\Import\	Traction	elevato	ors
(IMP) 00054.Idm12' Data Import			

#### Activate your datapool A1.2 DIGIPARA LIFTDESIGNER POOLMANAGER

#### Activate a new created Datapool

- Click on the Button Make System UI
  - Only one datapool can be set active at a time



#### igipara<sup>®</sup> liftdesigner

## Register an existing datapool

A1.2 DIGIPARA LIFTDESIGNER POOLMANAGER

## igipara<sup>®</sup> liftdesigner

#### Register an existing Datapool

- 1. Add Datapool
- 2. Register an existing datapool
- 3. Name & select the respective database
- 4. Create datapool

DigiPara Liftdesigner Poolmanager 202	1
Manage Pools	
_	
Standard Data Pool Syst	tem UI C:\ProgramData\DigiPara\2021\dcc\DataPool\Data\LD50.mdf
	🗈 DigiPara Liftdesigner Poolmanager 2021 - Add Datapool 🦳 🗆 🗙
	Add a data pool
+ Add Datapool	What do you want to do?
	O Create a new data pool
	Register an existing data pool
	Next

## Register an existing datapool

A1.2 DIGIPARA LIFTDESIGNER POOLMANAGER

#### Register an existing Datapool

- 1. Add Datapool
- 2. Register an existing datapool
- 3. Name & select the respective database
- 4. Create datapool

DisiDara Lifedorianas De alexanas 2021 Add D				$\sim$						
DigiPara Littoesigner Poolmanager 2021 - Add D	atapool	_								
Register an existing data p	looc									
Pool										
TrainingPool										
Select an existing database			_	_						
C:\DigiParaLiftdesigner\TrainingPool\data	LD50.mc	df								
	DigiPa	ra Liftdesi	gner Poolma	ager - C	)pen					×
	$\leftarrow \   \rightarrow$	· ↑	₀ ≪ DigiPar	aLftdesigner	> TrainingPool >	data v ව	Search data			P
Existing SQL database	Organize	• N	New folder					8== •	-	•
LD50.mdf				^	Name	Туре		Date mo	odified	
				· \	Autodesk	File folder		5/11/20	20 2:11 PM	Л
					Import	File folder		5/11/20	20 2:13 PM	4
	_				Master	File folder		5/11/20	20 2:11 PM	4
					2030.mai	Sige Server Database Prin	ary Data File	3/11/200	20 2:29 PM	
				, ,	٢					>
ctory e.g.			File name:	LD50.mdf		~	Liftdesigner	14.0 Data	abase Files	~
mdf							Open		Cancel	

#### igipara<sup>®</sup> liftdesigner

Find the main database file in the data pool directory e.g. C:\DigiParaLiftdesigner\TrainingPool\data\LD50.mdf

## Delete an existing datapool

A1.2 DIGIPARA LIFTDESIGNER POOLMANAGER

#### Deleting an existing Datapool

- Remove
- Deletion must be confirmed
- Confirming both messages deletes the data pool registry entry as well as the data pool files

#### Optional

 Denying the last message removes the datapool from the Poolmanager List **but keeps the files intact** (Windows Explorer)



#### igipara<sup>®</sup> liftdesigner

## DigiPara Liftdesigner Cloud

A1.2 DIGIPARA LIFTDESIGNER POOLMANAGER

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

Add Manufacturer Libraries into your Datapool

- Close all DigiPara Liftdesigner applications before the update
- Checking for new DigiPara BIM Libraries and Cloud updates
- 3. Select the respective Libraries
- 4. Click Apply to update your DigiPara BIM Libraries

## Manage Pools



# **A1.3**

## First Steps with DigiPara Liftdesigner



JANUARY 8, 2025, ©2024 DIGIPARA GMBH

## Start Screen & Licensing Information

#### igipara<sup>®</sup> liftdesigner

A1.3 FIRST STEPS WITH DIGIPARA LIFTDESIGNER



## Start Screen & Licensing Information

### igipara<sup>®</sup> liftdesigner

A1.3 FIRST STEPS WITH DIGIPARA LIFTDESIGNER

#### Licensing information

- Current contract status
- Computer data

digipara°l	iftdesigner	in Tube f	
NEWS VIDEOS DigiPara Licens	ing		
My contract	My compute	er	
Serial number Your contract is valid 1/15/2021 Computer activation setting Duration Until contract expiration	Computer Change till: gs ✓ ?	name request code uputer is activated until: 20 Reactivate now	
Show dialog after a	activation	<u>View modules</u>	

A1.3 FIRST STEPS WITH DIGIPARA LIFTDESIGNER

#### igipara<sup>®</sup> liftdesigner

#### Create a new Elevator: Start screen

Start a new elevator project



A1.3 FIRST STEPS WITH DIGIPARA LIFTDESIGNER

#### iftdesigner 🕫



A1.3 FIRST STEPS WITH DIGIPARA LIFTDESIGNER

#### igipara<sup>®</sup> liftdesigner

#### Create a new Elevator: Step 2

- Building Data
  - Number of floors
  - Floor to floor distance



A1.3 FIRST STEPS WITH DIGIPARA LIFTDESIGNER

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

#### Create a new Elevator: Step 3

Main Requirements

Specifying the:

- Elevator manufacturer (if downloaded from the DigiPara Cloud)
- general elevator type
- minimum payload
- Minimum speed



A1.3 FIRST STEPS WITH DIGIPARA LIFTDESIGNER

#### igipara<sup>®</sup> liftdesigner

#### Create a new Elevator: Step 4

- Elevator Characteristics
  - Drive location
  - Machine Room location
  - Car & Counterweight Roping
  - Counterweight location

$\ni$	NEW ELEVATOR - STEP 1	STEP 2 STEP 3	digipara' liftdesigner	
	CREATE A NEW	ELEVATOR: STEP 4		
	Elevator Ch	aracteristics		Requirements <b>V</b>
	Drive location	Machine room locati	on	Current solution: 17 Solutions found
				Traction 2:1 - car 2 pulleys bottom - cwt 1 pulley top 1000 kg - 13 passengers - 1100x2100
	In the shaft (MRL)	In the machine room		
				Select another solution
		Lateral Guide	ed Car Frames Only nweight Safety Gear Only	
	Counterweight roping	Counterweight location		
	✓ Update automatically		$\ominus$	

A1.3 FIRST STEPS WITH DIGIPARA LIFTDESIGNER

#### igipara<sup>®</sup> liftdesigner

#### Create a new Elevator: Step 4

Requirements

pulley top

Current solution:

- Select another solution
  - Different car sizes can also be available in the database for the elevator project defined up to this point.



A1.3 FIRST STEPS WITH DIGIPARA LIFTDESIGNER

#### 🕫 digipara liftdesigner

#### Create a new Elevator: Step 5 List of project NEW ELEVATOR - STEP 1 STEP 2 STEP 3 STEP 4 digipara requirements $\bigotimes$ liftdesigner Load Sheet Templates Select a default sheet template for **CREATE A NEW ELEVATOR: STEP 5** your elevator Load Sheet Templates Sheet Suggestion: Requirements Metric project units According to EN 81 "LD Installation Drawing" O Load Sheets Group: O Pick Individual Sheets Traction Elevator Payload >= 1000 kg "LD Typical Views for Your Elevator" Select all Speed >= 1 m/sDoor Positions = 1 With Counterweight Safety Gear Only CabinApprovalDrawing Drive located in the machine room Developer LOD View Machine room bottom / beneath Provides the 2 pulleys at the bottom of the car (2:1) Developer Work Area 1 pulley on top of the counterweight (2:1) Empty Counterweight left opportunity to load LD A3 Assembly Drawing predefined sheet LD A4 3D View Current solution: 17 Solutions found LD A4 Plan Drawing layouts Traction 2:1 - car 2 pulleys bottom - cwt 1 LD Builders Drawing pulley top ✓ LD Installation Drawing 1000 kg - 13 passengers - 1600x1400 $\checkmark$ LD Typical Views For Your Elevator LDBIM-LOD100-Sheet US Imp Select another solution LDBIM-LOD100-Sheet The sheet template list can be IDBIM-LOD200-Sheet US Imr supplemented with your own templates as well. Finish V Update automatically Drawing Creation

**A**3

A1.3 FIRST STEPS WITH DIGIPARA LIFTDESIGNER

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



DigiPara<sup>®</sup> Liftdesigner Online Training – A1 DigiPara Liftdesigner Fundamentals | © 2025, DigiPara GmbH

#### igipara<sup>®</sup> liftdesigner

A1.3 FIRST STEPS WITH DIGIPARA LIFTDESIGNER

#### Your first Elevator Project is completed!

- The "Work area" is a default sheet
  - Shows a plan view as default



# A1.4

## Controls & Docking Windows



JANUARY 8, 2025, ©2024 DIGIPARA GMBH

## User Interface Structure

#### igipara<sup>®</sup> liftdesigner

A1.4 CONTROLS & DOCKING WINDOWS

- 1. Ribbon tabs
- 2. Ribbon groups
- 3. Ribbon items
- 4. Docking windows





#### Mouse Control for the Drawing Area

- Use left mouse button to select components or dimensions
- Hold right mouse button to move drawing in X-Y-Direction
- Use mouse roller to zoom in and out


#### Adjust the program & drawing language

Language Settings



#### Docking Windows A1.4 CONTROLS & DOCKING WINDOWS

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



#### **Docking Windows** A1.4 CONTROLS & DOCKING WINDOWS

#### You can select any component via the Docking Windows

- Data tree
- Breadcrumb
- 3D View
- Directly in the 2D drawing



#### igipara<sup>®</sup> liftdesigner

## Docking Window Data Tree

A1.4 CONTROLS & DOCKING WINDOWS

#### Data Tree

- The Data Tree represents the elevator project in hierarchical text tree structure
- Clicking on an elevator component in the Data tree or Breadcrumb activates the selected component in the view frames and displays the corresponding component properties in the docking window Properties



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

## **Docking Window Properties**

#### igipara<sup>®</sup> liftdesigner

A1.4 CONTROLS & DOCKING WINDOWS

#### Properties

 Displays the selected component properties



## Docking Window Breadcrumb

#### A1.4 CONTROLS & DOCKING WINDOWS

#### Breadcrumb

- The Breadcrumb represents the respective section of the project structure in a flat hierarchy
  - The structure is similar to in the one of the Data tree docking window
- Provides the opportunity to select visible as well as invisible and inactive components like e.g.
  - List objects (e.g. "Entries.")
  - Components without geometry (e.g. "Pulley Beams", "Jambs")

• etc.



🕫 digipara liftdesigner

A1.4 CONTROLS & DOCKING WINDOWS

#### **3D View**

Shows the 3D elevator model depending on the selected/active view frame

**Docking Window 3D View** 



4

12700

X

#### igipara<sup>®</sup> liftdesigner



### **Docking Windows** A1.4 CONTROLS & DOCKING WINDOWS

#### Enable/Disable Docking Windows

 Disabled docking windows can be enabled via the corresponding Windows group items.

View Frame

Predefined Scene

Lighting

Lights

 B
 Image: B
 I

Dimensions

 $\rightarrow \downarrow$ 

Smoother

Visualize

Display

66 Outlines

**a** 1

Mirrors

CAD M

ar Desigr

3D View



#### igipara<sup>®</sup> liftdesigner

🐴 🛷 💊 🔚 🔎 🏗 💋

Project

3D

/iew

)esign

Mode

ard

sheet

6

D Object

Settings

Windows

## Docking Windows: Display option

🕫 digipara liftdesigner

A1.4 CONTROLS & DOCKING WINDOWS

#### **Display option**

- Docking windows display option can be set to "Hidden"
- While in Hidden Mode they are docked on the right side of the UI by default.

n Caption abled Dimensions Nor without line weig v	evator Elevator eleva
	Windows
Breadcrumb	<b>4 х</b>
Document, Shaft0.	
Eavorites	
Properties	4 X
Lock Update Shaft 0 [Shat	h0.]
✓ [0001]	^
X0-positioning	Automatically
Y0-positioning	Automatically
XO	0
YO	0
V [0010] Tools	
Calculation	Start calculation
<ul> <li>[0022] Project Level</li> </ul>	Geometry Information
Create Geometry	By parent
Create Geometry status	Create
<ul> <li>[0240] Wall Thickness</li> </ul>	
Front [mm]	200
Rear [mm]	200
Left [mm]	200
Right [mm]	200
Top [mm]	200
Bottom [mm]	200
<ul> <li>V [0241] Options</li> </ul>	
Additional wall opening	<
<ul> <li>(0245) Shaft Width</li> </ul>	
Left distance wall / car	[mm] 155
	25
Left car wall [mm]	20



# **Docking Windows: Options**

A1.4 CONTROLS & DOCKING WINDOWS

#### **Docking Options**

- Changing the docking window location via the window tab (by clicking and holding the left mouse button).
- See picture: Single window docked on the left side of the UI.



#### igipara<sup>®</sup> liftdesigner

# igipara<sup>®</sup> liftdesigner

# **A1.5**

**Ribbon Overview** 



JANUARY 8, 2025, ©2024 DIGIPARA GMBH

Start

#### igipara<sup>®</sup> liftdesigner



Start Page: Get back to the Start Page Design Mode: Detailed 2D View and Dimensions Sloppy Mode: Better Performance -> <u>here</u>

#### Project

#### igipara<sup>®</sup> liftdesigner



Sheet

#### igipara<sup>®</sup> liftdesigner





#### **View Frame**

#### igipara<sup>®</sup> liftdesigner





#### Dimensions

#### igipara<sup>®</sup> liftdesigner





#### Visualize

#### igipara<sup>®</sup> liftdesigner





### **CAD Models**

#### igipara<sup>®</sup> liftdesigner

#### A1.5 Ribbon overview



Assign an automatic adjustment of the parameters of your CAD model depending on the parameters of a Liftdesigner component



### **Develop BIM Components**

#### igipara<sup>®</sup> liftdesigner





#### **Exports**

#### igipara<sup>®</sup> liftdesigner





### Options

#### igipara<sup>®</sup> liftdesigner



# igipara<sup>®</sup> liftdesigner

**A1.6** 

#### Components & Dimensions Basics



# List & Single Components

A1.6 COMPONENTS & DIMENSIONS BASICS

#### igipara<sup>®</sup> liftdesigner

# DigiPara Liftdesigner provides two specific types of components:

- List components
  - Components that appear several times in the elevator
    - E.g. Shaft door, Rail brackets, Shaft lighting
    - Hint: Component itself or parent component marked by an index
- Single components
  - Components which occur only once in the elevator
    - E.g. Gearing, Car frame, Safety gear

Breadcrumb				Ļ
Document. Shaft0	Entries1.	EO. Shaft[	Door. 🔻	
Favorites				
Options				
Breadcrumb				
Document. Shaft0. CW	. BracketList.	•		
t Bracket ( [Bracket0.]			<b>A</b>	
🕻 Bracket 1 [Bracket1.]				
🕻 Bracket 2 [Bracket2.]				
🕻 Bracket 3 [Bracket3.]				
Bracket 4 [Bracket4.]				
🕻 Bracket 5 [Bracket5.]				
Bracket 6 [Bracket6.]				
Bracket 7 [Bracket7.]				
Bracket 8 [Bracket8.]				
Bracket 9 [Bracket9.]				
Bracket 10 [Bracket10]	).]			
Bracket 11 [Bracket11	.]			
Bracket 12 [Bracket12]	.]			
Bracket 13 [Bracket13]	s.]			
Bracket 14 [Bracket14]	k.]			
Bracket 15 [Bracket15]	i.]			

#### Exchange Components A1.6 COMPONENTS & DIMENSIONS BASICS

#### Components can be exchanged via the Component Navigator

- By double clicking on the corresponding component
- Via the component's category [0020] property items



Properties	Ę	L X
Lock Update Car frame [Frame.]		
<ul> <li>(0010) Tools</li> </ul>		~
Rope Wizard	$\diamond$	
Component state	Active	
<ul> <li>(0020) General</li> </ul>		
Manufasturer	Common componente	-
Designation	Car sling .	
Туро	Rope	-
<ul> <li>[0021] Car sling</li> </ul>		_
Heigth of top car frame beam [mm]	140	
Heigth of bottom car frame beam [rr	140	
<ul> <li>[0022] Project Level Geometry In</li> </ul>	formation	
Create Geometry	By parent	



iftdesigner 🕫

#### Exchange Components A1.6 COMPONENTS & DIMENSIONS BASICS

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

#### Exchanging list components Example: shaft door

- When exchanging the landing door, the program will ask you to automatically exchange the car door as well.
- Per default the door will be exchanged on all floors at the current wall.



# Exchange Components

A1.6 COMPONENTS & DIMENSIONS BASICS

# Apply changes only to one list components

- 1. Select component
- 2. Set property **[0195] Grouping** to "this ... is different"
- 3. All changes (component exchange or dimension) will now apply to the selected component only



#### igipara<sup>®</sup> liftdesigner

PLW 165

#### Edit Dimensions A1.6 COMPONENTS & DIMENSIONS BASICS

#### igipara<sup>®</sup> liftdesigner

Editing a dimension value in DigiPara Liftdesigner changes the 3D BIM model

• by e.g. changing the car width



#### **Edit Dimensions** A1.6 COMPONENTS & DIMENSIONS BASICS

#### Component dimension can be edited

Railbra

Center ax

Page - 66 -

January 8, 2025

- via the property docking window
- by double clicking the component dimension
- In general, grayed out dimension can not be edited, but there are some exceptions (see next slides)

Changing dimension values in Design Mode (hatches turned off)





#### iftdesigner 🕫

Proie

Open

42 

Start

Design

Mode

Stundard

Page - 67 - January 8, 2025

#### Edit Dimensions A1.6 COMPONENTS & DIMENSIONS BASICS

# Fixed BIM Component dimensions e.g. a shaft door can be edited too, even though they are greyed out

- Select the respective component
- Select the property **Extended door dimension**
- Edit the shaft door width (DW)





#### igipara<sup>®</sup> liftdesigner

#### Edit Dimensions A1.6 COMPONENTS & DIMENSIONS BASICS

#### igipara<sup>®</sup> liftdesigner

#### Resulting dimensions can not be edited directly

 However, the shaft width (SW) as well as the shaft depth (SD) for example are resulting dimensions which values, can be changed via the Properties docking window





# igipara<sup>®</sup> liftdesigner

# **A1.7**

Floor Levels





#### igipara<sup>®</sup> liftdesigner

#### Activation via the Group and Shaft Configurator



#### DigiPara<sup>®</sup> Liftdesigner Online Training – A1 DigiPara Liftdesigner Fundamentals |© 2025, DigiPara GmbH

Change number of floors

#### Increase the number of floors to your needs



#### igipara<sup>®</sup> liftdesigner

#### Floor to Floor Distance, Headroom and Pit A1.7 FLOOR LEVELS

#### igipara<sup>®</sup> liftdesigner



#### Customizing individual Floor to Floor Distance, Headroom and Pit

Add a check mark to activate the editing option: Floor to Floor 

## Service Floor Markers & Designations

#### igipara<sup>®</sup> liftdesigner



DigiPara<sup>®</sup> Liftdesigner Online Training – A1 DigiPara Liftdesigner Fundamentals © 2025, DigiPara GmbH

A1.7 FLOOR LEVELS

# Sloppy Mode – Improve Performance

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

The Sloppy Mode serves to improve the program performance

- Projects with more than 50 floors
- While editing individual building levels, it is possible to hide other levels





EL2
# **A1.8**

# 2D Drawing Export



JANUARY 8, 2025, ©2024 DIGIPARA GMBH



DigiPara Liftdesigner supports e.g. the following 2D drawing output formats:

- PDF
- DWG



### PDF Export A1.8 2D DRAWING EXPORT

# igipara<sup>®</sup> liftdesigner

Via the Export PDF dialog



### igipara liftdesigner

/ia the Export Drawing dialc	og	Sheets selection
	DigiPara Liftdesigner - Export Drawing	
Select th form	Output <ul> <li>AutoCAD Modelspace Only</li> <li>AutoCAD Model Paperspace</li> <li>AutoCAD Mechanical Model Paperspace</li> </ul> Settings         File Type <ul> <li>DWG</li> <li>DXF</li> <li>Version 2010</li> <li>Target Filename</li> <li>D:\TFS_Training\Training\LD\Basic_Training\LDTrair</li> <li>Scale Factor</li> <li>Factor 1</li> <li>Prototype DWG</li> <li>C:\ProgramData\DigiPara\2020\dcc\DataPool\dwg\Tables2</li> </ul>	Sheets          Selection       Sheet nat         Image: Sheet nat       Image: Sheet nat         Image: Sheet nat <t< td=""></t<>
		Create Drawing Close Help
	Creat DW0	e the G file

# Export 3D view as image file

A1.8 2D DRAWING EXPORT

# igipara<sup>®</sup> liftdesigner

The selected 3D View can be saved as an image file (e.g. png, jpg, bmp) or copied to the clipboard.

under Visualize tab

D LOD LOD LOD LOD LOD

Visualize

Cut Car

Design

Display

=

CAD Models

Ambient

Occlusion

8.2

Outlines

View Frame

Render



r Mirrors



### Import image files A1.8 2D DRAWING EXPORT



### Image files can be loaded directly into the drawing via drag & drop

# **A1.9**

Practice



JANUARY 8, 2025, ©2024 DIGIPARA GMBH

# Create an elevator with the following specifications:

A1.9 PRACTICE: SHAFT WIZARD & FLOOR LEVELS

### Shaft Wizard

- 5 floors
- Typical floor to floor distance 3000 mm
  - Consider travel no
  - Create building floor levels no
- Traction elevator 2:1
- 13 persons / 1000 kg, 1 m/s
- Machineroom
  - Below / left
- Car roping
  - 2 pulleys below
  - with CW safety gear
- Counterweight roping
  - 1 pulley top
  - Counterweight left
- Sheet Templates
  - LD Installation Drawing
  - LD Typical Views For Your Elevator

### **Further specifications**

- Car size
  - Car width : 1600 mm
  - Car depth : 1400 mm
- Entrances
  - Front: all floors
  - Rear: first and last level
- Individual Floor to Floor Distance
  - Pit: 1200 mm
  - E1: 2900 mm
  - E2: 3000 mm
  - E3: 3000 mm
  - E4: 3800 mm
- Save the project under the following file name: LDTrainingSample.ld3

# igipara<sup>®</sup> liftdesigner

### **Result** A1.9 PRACTICE: SHAFT WIZARD & FLOOR LEVELS

# igipara<sup>®</sup> liftdesigner

### The result should look like this:



# igipara<sup>®</sup> liftdesigner

A1.9 GENERAL PRACTICE DOOR JAMB: SELECT & EDIT COMPONENT

### Door jamb

- Select the additional door jamb for the front entrance via the Breadcrumb docking window
- Change the type to Wall-covering jamb and transom panel up to ceiling via the Component Navigator





igipara<sup>®</sup> liftdesigner

A1.9 GENERAL PRACTICE DOOR JAMB: SELECT & EDIT COMPONENT

### Reminder: Save components that are difficult to find in the Breadcrumb under Favorites



# igipara<sup>®</sup> liftdesigner

A1.9 GENERAL PRACTICE DOOR JAMB: SELECT & EDIT COMPONENT

### Function: Measure

- Activate the measure command
- Click with the left mouse button near the corresponding edge.
- Hold the Ctrl. key and click
- Click with the left mouse button near the second edge.
- Release the Ctrl. key

Deactivate the Line Style	Background Foreground	l Colour 🔤 Dimension
	📕 Line Style	Plotstyles Colc
		Drawing View



A1.9 GENERAL PRACTICE DOOR JAMB: SELECT & EDIT COMPONENT

igipara<sup>®</sup> liftdesigner



#### DigiPara<sup>®</sup> Liftdesigner Online Training – A1 DigiPara Liftdesigner Fundamentals |© 2025, DigiPara GmbH

## igipara<sup>®</sup> liftdesigner

A1.9 GENERAL PRACTICE DOOR JAMB: SELECT & EDIT COMPONENT

### Door jamb option: Full height





A1.9 GENERAL PRACTICE DOOR JAMB: SELECT & EDIT COMPONENT

# igipara<sup>®</sup> liftdesigner

### The door jamb settings are automatically adopted for all floors





A1.9 GENERAL PRACTICE DOOR JAMB: SELECT & EDIT COMPONENT

# 🕫 digipara<sup>®</sup> liftdesigner

### Adjust door opening heights individually

- This jamb is different
  - via the jamb of the respective floor



# Adjust door opening heights individually

A1.9 GENERAL PRACTICE DOOR JAMB: SELECT & EDIT COMPONENT

### Edit the corresponding door opening height.

Set door opening height individually





# 🕫 digipara<sup>®</sup> liftdesigner

# Adjust door opening heights individually

# 🕫 digipara<sup>®</sup> liftdesigner

A1.9 GENERAL PRACTICE DOOR JAMB: SELECT & EDIT COMPONENT

## Edit the corresponding door opening height.

- Adjusting the Ceiling Heights
  - via the Group and Shaft Configurator



# **Result** A1.9 GENERAL PRACTICE DOOR JAMB: SELECT & EDIT COMPONENT

# igipara<sup>®</sup> liftdesigner

### The result should look like this:





The color setting of the BIM models can be adjusted in the properties via the corresponding option.

**μ** Χ

# A1.10

# Summary & custom Q&A's



JANUARY 8, 2025, ©2024 DIGIPARA GMBH

# Congratulations You reached the next level



# igipara<sup>®</sup> liftdesigner

© 2025 DigiPara GmbH, www.digipara.com

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

training@digipara.com



#### 

JANUARY 8, 2025, ©2024 DIGIPARA GMBH



© 2024 DigiPara GmbH www.digipara.com