

## LIFTdesigner Basis Training

### Day 1: Basic Introduction

#### Basic Introduction Part1 (9:00am - 12:30pm)

- **Welcome**
- **LIFTdesigner User Interface**
  - Menus
  - Toolbars
  - Docking Windows
- **Shaft wizard**
  - Project data
  - Mode of drive
  - Elevator Design
  - Storey
  - Floor Level List
  - Sheet Template
- **Controls/Docking Windows**
  - Data Tree
  - Properties
  - 3D View
  - Quick Link
- **Views**
  - Adding new views
  - Switching views via the Views toolbar
  - Switching on/off elevator components
  - Switching on/off dimensions
- **Sheets**
  - Creating a new sheet
  - Renaming a sheet
  - Copying existing view frames into the new sheet
  - Loading a Drawing Border
  - Loading a Title Block

*Lunch Break (12:30pm - 1:30pm)*

Basic Introduction Part2 (1:30pm - 5:00 pm)

- **Exchanging components**
  - Component Navigator
  - Selecting objects
  - Exchanging the car door
  - Exchanging the car frame
- **Dimensions**
  - Editable dimensions (Print Mode/Edit Mode)
  - Resulting dimensions (grayed out dimensions)
  - Chain dimensions (Shaft depth, width etc.)
- **Main Project Data**
  - Customizing the main shaft parameters
  - Customizing the car weights
  - Customizing the car parameters
  - Customizing the machine room parameters
- **Annotations**
  - View Frame annotations
  - Component Annotations
- **Special View Types**
  - Detail Sections
  - Symbolic Vertical Sections
- **Drawing Output**
  - PDF
  - DWG
  - EMF

## Day 2: Dimensions & Overwrites

### Dimensions (9:00am - 10:30pm)

- **Dimensions**
  - Standard Components Dimensions
  - Extended Component Dimensions
  - Dimension Toolbar
  - Dimension Settings Toolbar
- **Dimension Properties**
  - Dimension ID's
  - Dimension Prefix
- **Dimension Settings**
  - Dimension text alignment
  - Dimension extension lines
  - Dimension Arrowhead
- **Further dimension options**
  - Dimension Multi-Select
  - Dynamic Dimensions

### Use Cases (10:30pm - 3:30pm)

- **Traction Elevator**
  - Counterweight Location
  - Pulley Beam Arrangement
  - Traction Sheave Inside Shaft
  - MRL Gear Base Construction Unit
  - Rucksackaufzug
- **Hydraulic Elevator**
  - Cylinder Selection
  - Extended Cylinder Settings
  - Rail Bracket Fixing Options
  - MRL
- **Group Elevator**
  - Group Elevator General
  - Group Shaft Wall Opening
  - Machine Room

### *Lunch Break (12:30pm - 1:30pm)*

### Overwrites (3:30pm - 5:00pm)

- **Overwrites docking window**
  - Dimension related overwrites
  - Component related overwrites

- Detail level overwrites
- Global view frame overwrites (Shaft\*)
- Floor related overwrites example
- Shaft related overwrites example
- Entrance related overwrites example

## Day 3: External blocks & Extended Features

### External blocks / External\$'s (9:00pm - 12:30pm)

- **Title blocks / Drawing border**
  - titl\_prefix
  - bord\_prefix
  - Standard dwg directory
  - Supported AutoCAD dwg formats
- **Create DWG's**
  - Supported AutoCAD objects
- **Data Tree Docking Window**
  - Data Tree Structure
  - Project Specifications
  - Elevator Project Values
  - Copying External\$'s from the data tree
- **External\$'s**
  - Syntax
  - Special Values/Operations (Calculate with External\$'s etc.)
  - External\$ Expressions
  - Referencing External\$ in dwg's
- **Sheet Templates**
  - Loading external blocks/title blocks/drawing borders
  - Storing sheet templates
  - Loading sheet templates (+ shaft wizard)

*Lunch Break (12:30pm - 1:30pm)*

### Extended Features (1:30pm - open end)

- **Additional Child Objects**
  - Creating user defined profiles/objects
  - Creating a Steel Shaft Example
- **Drawing Translation**
  - Translating predefined drawing messages
- **Custom Rendering Support**
  - Configuring user defined textures / colors for the dynamic 3D View
- **Using the 3D DWF Viewer in LIFTdesigner 5.3**