

## Day 1

### **Basic Introduction Part1 (9:00 AM – 12:30 PM)**

- **Welcome**
- **LIFTdesigner UI**
  - 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 (12:30 PM - 1:30 PM)**

### **Basic Introduction Part2 (1:30 PM – 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 (9:00 AM – 10:30 PM)

- **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 Arrowheads

- **Further dimension options**
  - Dimension Multi-Select
  - Dynamic Dimensions

## Use Cases (10:30 PM – 3:30 PM)

- **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 (12:30 PM – 1:30 PM)

## Overwrites (3:30 AM – 5:00 PM)

- **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 / External's (9:00 PM – 12:30 PM)

- **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 (Calculat with External\$'s, etc.)
  - External\$ Expressions
  - Referncing External\$ in dwg's
  
- **Sheet Templates**
  - Loading external blocks / title blocks / drawing borders
  - Storing sheet templates
  - Loading sheet templates (+ shaft wizard)

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

**Extended Features (1:30 PM - )**

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