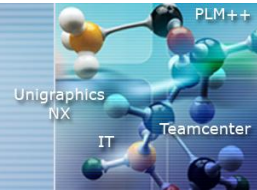




# Trainings



## NX Freeform Surfaces (Basics)

### General:

- Duration: 5 days (7 training hours per day)
- Training material in German language
- NX version according to customer's request

### Prerequisites:

- Functional reliability with the NX design

### Content:

- **Create curves**  
Create and edit ruled geometries (Lines, Circles, Conic Sections, ...)  
Create and edit freeform curves (Spline, Helix, Law Curves, ...)  
Derived curves (Offset Curves, Bridge Curves, Intersection Curves, Wrap/Unwrap Curves)
- **Create surfaces**  
General information about freeform surfaces (Settings, Representation, U-V Degree, Preferences)  
Create and edit freeform surfaces (Bounded Plane, Ruled Surface, Extrusion Surface, Offset Surface, Intersection Surface, Extension Surface, Law Extension)
- **Area operations**  
Edit existing surfaces (Trim Sheet, - adjust, - enlarge, - sew, ...)  
Aligning surface edges  
Area operations in solids  
Create solids from surfaces
- **Area analyses**  
Surface analysis  
Evaluation of the surface quality by the reflection  
Checking surfaces for smoothness, self-intersection, peaks and nicks  
Minimum radius analysis  
Pole and node analysis  
B-area information
- **Practical exercises on the following topics**  
Preparation of curves for surfaces  
Creation of surface models based on prepared examples  
Create solid models from surface bodies  
Exercises based on customer-specific examples

### Implementation:

- The training consists of theoretical and practical parts
- Training at the customer's site or as a webinar
- Dates and prices available upon request

(Status of the document: July 2023)

NX

Training

Consulting

Service