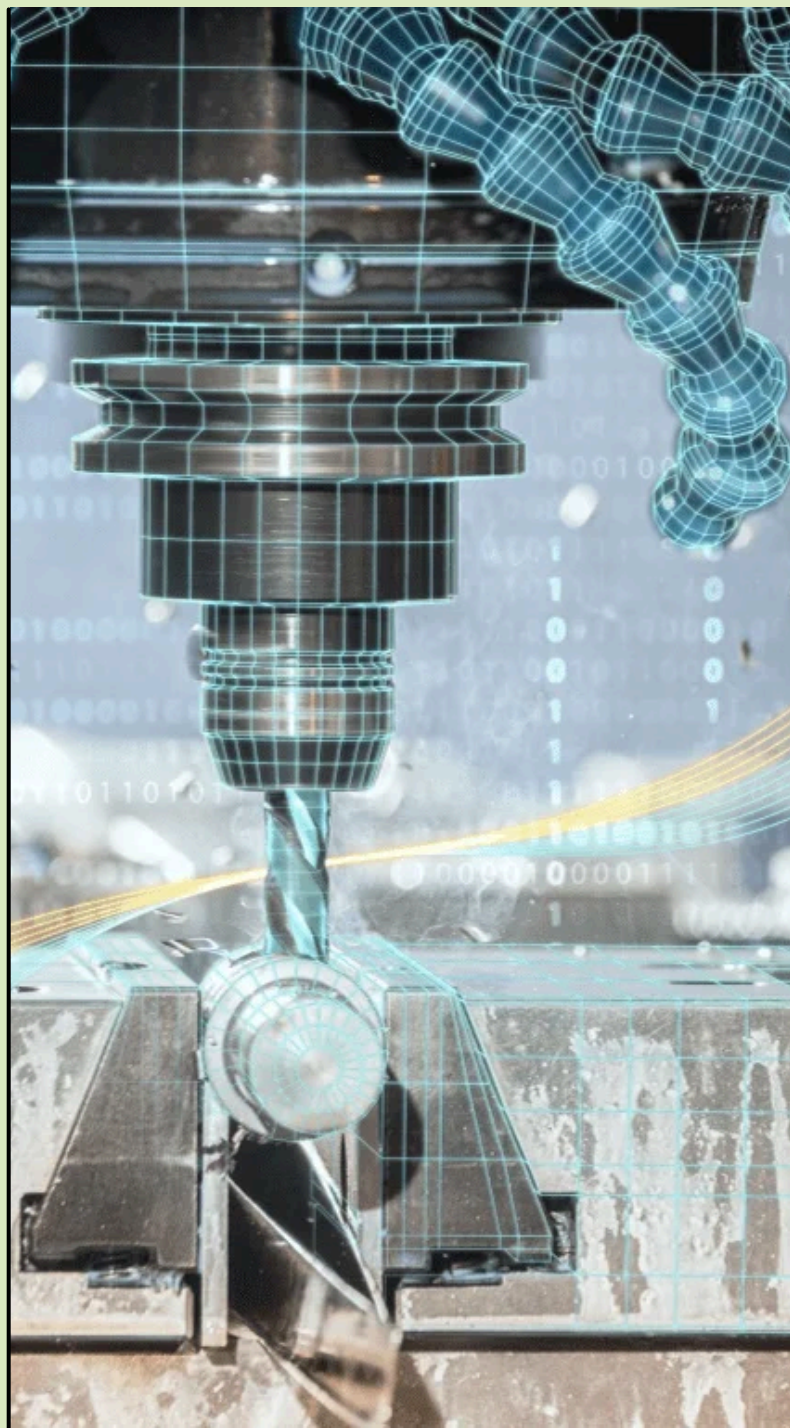


PLM RESOURCES  
GMBH

# TRAINING CATALOG

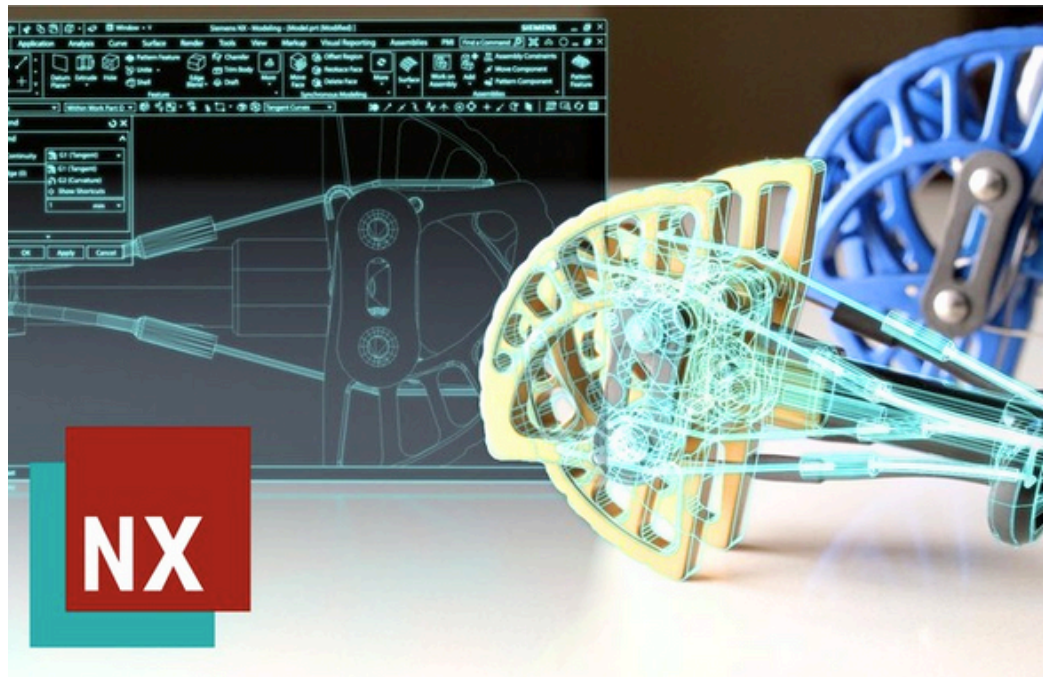


**NX**

---

2024/2025

# INTRODUCTION



---

PLM RESSOURCES GMBH IS A COMPANY THAT BASES ITS FOUNDATIONS ON THE CONTRIBUTION OF ADDED VALUES TO ITS CUSTOMERS, HELPING THEM FOCUS ON ALL OF THEIR INTERNAL PROCESSES IN ORDER TO CONCENTRATE ON THE CONTINUOUS IMPROVEMENT OF THEIR PRODUCTS.

PLM RESSOURCES, OFFICIAL PARTNER OF SIEMENS DIGITAL INDUSTRIES SOFTWARE IN NORTH AFRICA, AIMS TO OFFER A VARIETY OF SOFTWARES IN DIFFERENT AREAS SUCH AS TECNOMATIX, TEAMCENTER, SIMCENTER, NX AND SOLID EDGE.

# NX

# NX

Siemens NX software is a flexible and powerful integrated solution that helps you deliver better products faster and more efficiently. NX delivers the next generation of design, simulation, and manufacturing solutions that enable companies to realize the value of the digital twin.

Supporting every aspect of product development, from concept design through engineering and manufacturing, NX gives you an integrated toolset that coordinates disciplines, preserves data integrity and design intent, and streamlines the entire process.

---

## NX Basic sketch

**ID : PLM-2023-NXBS**

**Duration: 2 days**

**Prerequisites: No prerequisites required**

**Overview :** This course is recommended for designers, CAD engineers, manufacturing engineers application programmers, NC programmers and CAD/CAM managers who need to create who need to create sketches in NX and learn good sketching techniques for 3D techniques for 3D modeling either solid, surface or other functions.

After successfully completing this course, you will be able to:

- Understand when and why to use sketches.
- Create sketches.
- Constrain sketches.
- Use additional sketching techniques.

## NX Surface Modeling

**ID : PLM-2023-NXFM**

**Duration: 5 days**

**Prerequisites: No prerequisites required**

**Overview :** This course will provide you with the necessary robust and reliable skills to build surface parts that can be used in the manufacturing application. You will learn methods of incorporating free-form (surface) features into a part, from reverse engineering product models for complex engineering designs.

## NX Synchronous technology and parametric design

**ID : PLM-2023-NXSTPD**

**Duration: 3 days**

**Prerequisites: No prerequisites required**

**Overview :** This course is designed for NX users who want to further exploit the parametric functionality and synchronous modeling capabilities of NX in their design processes.

## NX Basic synchronous technology

**ID : PLM-2023-NXBST**

**Duration:** 1 day

**Prerequisites:** No prerequisites required

### Overview

This course is intended for users who are already familiar with NX, but want to learn how to use the synchronous modeling design tools. Synchronous technology unites parametric and history-free modeling regardless of origin or associativity. This course provides hands-on activities and projects that focus on history-free and parametric constraint techniques to speed up the design process used to create new parts and, to modify existing parts.

## NX Essentials for NX Designers

**ID : PLM-2023-NXENXD**

**Duration:** 5 days

**Prerequisites:** No prerequisites required

**Overview :** This course aims to launch NX designers on the path to productivity. This course is designed to meet the expectations of the designer, to transfer classroom instruction to the workplace productivity. In this course, the designer will be able to design finished products, define product details and, provide assembly modeling and master model concept basics.

## NX Basic design

**ID : PLM-2023-NXBD**

**Duration:** 2 days

**Prerequisites:** No prerequisites required

**Overview :** This course is designed to give a user a high-level overview of NX modeling, assemblies, and drafting topics. This class, through professional instruction for product design, assembly modeling, and basic model concepts, allows you to transfer the instruction in class to work productivity.

After successfully completing this course, you should be able to:

- Open and examine NX models.
- Create and modify parametric solid models.
- Create and modify basic assembly structures.
- Create and modify simple drawings.

## NX Intermediate Design and Assembly

**ID : PLM-2023-NXIDA**

**Duration:** 5 days

**Prerequisites:** No prerequisites required

**Overview :** This intermediate level Design and Assembly course allows the candidate to integrate and manipulate sketching, inter-part modeling, design intent, and several assembly topics.

# NX Industrial Design

**ID : PLM-2023-NXID**

**Duration:** 4 days

**Prerequisites:** No prerequisites required

**Overview :** This course provides you with the knowledge and skills necessary to define stylish shapes using curves and complex surfaces.

Upon completion of this course, the student should possess the skills required to create strong curvature of complex surfaces with tangent continuity and/or curvature and create blends and transition surfaces. The student will also learn to dynamically modify and analyze surfaces and demonstrate products through the application of advanced visualization techniques.

## NX Drawing Essentials

**ID : PLM-2023-NXDE**

**Duration:** 3 days

**Prerequisites:** No prerequisites required

**Overview :** The drafting application provides you with the tools to create and fully annotate drawings of three-dimensional models generated in the modeling application. NX drawings are fully associative with the model geometry. This associativity ensures that your drawings reflect the latest model configuration.

The Course:

- Learn how to effectively use the NX drafting application.
- Prepare to create highly detailed engineering drawings.
- Demonstrate the interdependent nature of modeling, drawings and assemblies.

## NX Product Manufacturing Informations

**ID : PLM-2023-NXOIPMI**

**Duration:** 3 days

**Prerequisites:** No prerequisites required

**Overview :** The Products and Information Course (PMI) is of course an NX work environment for attaching non-geometric information, such as text, dimensions or symbols, to a part file. You create PMI when you are in other applications, such as gateway and modeling. The attached information is then used by downstream applications such as tooling, manufacturing, inspection and shipping. In most cases, you can attach the information to any object in the part file. The information is displayed in 3D space, which allows you to define more useful information than is possible on a 2D drawing.

# NX Management of large assemblies

**ID : PLM-2023-NXMLA**

**Duration: 3 days**

**Prerequisites: No prerequisites required**

**Overview :** The course covers cloning, sequencing, assembly cutting, layouts, part deformation, reference frames, component grouping, representations, and weight management. The course includes advanced assembly functions in addition to the standard design functions in NX software.

## NX Mold design process

**ID : PLM-2023-NXMDP**

**Duration: 5 days**

**Prerequisites: No prerequisites required**

**Overview :**Expert NX tool designers will gain the skills needed to significantly reduce mold design time through the automation of the Mold Wizard. The program mimics common tasks used in mold construction and is reinforced with hands-on activities. Mold Wizard is a collection of tools that help you by automating common mold design tasks.

## NX Introduction to NX for advanced users

**ID : PLM-2023-NXINSAU**

**Duration: 5 days**

**Prerequisites: No prerequisites required**

**Overview:** This course provides an introduction to NX for designers who will be using NX on a daily basis. Upon completion of this course, experienced 3D parametric CAD users will be able to create and modify parts, assemblies and products in NX, building on their years of parametric modeling experience. The pace and topics of this course have been carefully planned specifically for the experienced 3D parametric CAD user.

## NX Sheet Metal

**ID : PLM-2023-NXSM**

**Duration: 2 days**

**Prerequisites: No prerequisites required**

**Overview:** This course addresses all the tools available in the Sheet Metal application for creating machines, cabinets, racks, and other parts normally made with a press brake. It shows how to create basic functions such as tabs and contour flanges with more advanced features. It also introduces the functionality of advanced Aerospace and Sheet Metal.

## NX Electrical Routing

**ID : PLM-2023-NXENXD**

**Duration:** 5 days

**Prerequisites:** No prerequisites required

**Overview :**The Electrical Routing course provides the common user interface for defining paths, how to qualify parts for use in a routing assembly, accessing standard parts and placing parts in the routing assembly or creating and modifying wiring paths and how to assign components and connectors (manually or automatically). Electrical Routing provides additional options and functionality for creating and managing wiring assemblies.

## NX Mechanical Routing

**ID : PLM-2023-NXENXD**

**Duration:** 2 days

**Prerequisites:** No prerequisites required

**Overview:** The Mechanical Routing course teaches you to use the tools used to quickly define linear paths around and through other NX assemblies, assign mounts to paths, and qualify and place standard parts (e.g. valve flanges and pipe tees). These assemblies typically define the systems that provide the piping, tubing, ducting, piping... The course also includes a section on developing logic diagrams.

## NX Progressive Die Wizard

**ID : PLM-2023-NXENXD**

**Duration:** 4 days

**Prerequisites:** No prerequisites required

**Overview:** This course provides design tools to follow to transform flat metal strips into complex 3D parts. You will be able to use the built-in knowledge of high designs in the Progressive Die Wizard to incorporate industry best practices and build progressive dies

# WELCOME TO PLM RESOURCES SARL

## CONTACT US

---



ADDRESS: ALT FECHENHEIM 78A  
60386 FRANKFURT AM MAIN  
PHONE: (+49)(0)1721648692  
EMAIL: [INFO@ALLPLM.COM](mailto:INFO@ALLPLM.COM) WEB: [WWW.ALLPLM.COM](http://WWW.ALLPLM.COM)



ADDRESS: 24 MOHAMED ABDOU STREET,  
90000 TANGIER, MOROCCO  
PHONE: (+212)0539936354  
EMAIL: [PLMMAROC@ALLPLM.COM](mailto:PLMMAROC@ALLPLM.COM)



ADDRESS: 126, IBN KHLADOUN STREET  
7000, BIZERTE, TUNIS  
PHONE: (+216)72422504  
FAX: (+216)72422298  
EMAIL: [INFO@ALLPLM.COM](mailto:INFO@ALLPLM.COM)



# MEET THE TEAM

## OUR EXPERTS

---



### ABDELKADER BELHI

Diplôme d'ingénieur en génie mécanique de l' ESIM Tunisie avec un DEA de l'INSA de Lyon en 1988.

Option CAO mécanique. Il cumule plus de 30 ans d'expérience dans le monde industriel en Europe orienté CAO, FAO, IAO et PLM. Il gère le partenariat de PLM Ressources avec Siemens Digital Industries Software (NX, Teamcenter, Simcenter, Tecnomatix ,Solid Edge).



### WADIA SAIDI

Lauriat de la promotion ingénieur en génie industrielle de l'ENIB Tunisie en 2022.

Il a assuré des formations académiques sur Tecnomatix, NX et Simcenter Starccm+ telle que la formation pour l'ENIB et la Société Algérienne d'électricité et Gaz pour simuler le comportement d'un avion militaire atterrissant à côté d'une usine de gaz.

Il pilote actuellement plusieurs missions de consulting au profit des sociétés nationales et internationales.

Il est certifié Starccm+ avec une compétence confirmée en CFD.