

From Planning to Execution: the digitalization excursion of a PC mouse / 从规划到实施：一个鼠标的数字化之旅 (F4003)

Objectives

This course elaborates the concept of SIEMENS digitalization. Through a real case (PC mouse production), participants will have an opportunity to go through the related episodes of product lifetime management, such as Product Design, Production Planning, Production Engineering and Production Execution, thus a detailed cognition and perception of SIEMENS digitalization will be available. Different from a general speech, this course contains well-designed exercises, a background story and a real project, which of-course help participants to get a deeper understanding and a real experience about SIEMENS digital twin.

Target Group

Planning persons, Process engineers, Manufacturing engineers, Automation Engineers

Content

- The concept of SIEMENS digitalization
- Import a product(EBOM&3D model) (Tecnomatix Process Designer)
- Design MBOM, BOP and resource (Tecnomatix Process Designer)
- Create 3D model of production line (Tecnomatix Process Designer)
- Define production operations and sequences (Tecnomatix Process Simulate)
- Simulate production operations and sequences (Tecnomatix Process Simulate)
- Create PLC code accordingly (TIA Portal)
- Configure HMI project (TIA Portal)
- Virtual commissioning (TIA Portal & Tecnomatix Process Simulate)
- Material flow simulation and verify utility of production line (Tecnomatix Plant Simulation)
- MES connectivity between TIA and MES (SQL server \ Industrial Data Bridge and TIA Portal)

Prerequisites

Basic knowledge of automation and process planning

Type

Face-to-face training

Duration

2 days

Language

zh

Fee

3,800 CNY