

# Confirmation of participation

## SIMATIC BATCH COM API Classroom Training

DI PA AE System Support

### **Nedjeljko Vranic**

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Has participated in the 1-day classroom training SIMATIC BATCH COM API from 01/18/2022 to 01/18/2022.

#### **Aim of the SIMATIC BATCH COM API classroom training**

In the training, a SIMATIC BATCH COM API program was created in the Microsoft Visual Studio C# development environment. In the process, in-depth knowledge of the SIMATIC BATCH COM API was imparted. The self-created application was tested in a SIMATIC BATCH runtime environment (based on the SIMATIC BATCH Getting Started kitchen project). The program was extended step-by-step with typical functions as needed for the vertical integration of SIMATIC BATCH with external systems.

#### **The SIMATIC BATCH COM API classroom training contains the following focus topics:**

- Overview SIMATIC BATCH API
- Installation and licensing
- Using the "Smiley Tool" (available on SIOS)
- Creation of a command line program in MS Visual Studio C# "from scratch"
- Extension of the program with the functions
  - Determination of the PCell
  - User login
  - Creation of materials and creation, release and start of batches
  - Registration for and receipt of API notifications
- General considerations for system load and handling of failure scenarios (server unavailable, redundancy switchover).

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Karlsruhe, 1/24/2022

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