

# Digitization of Production Processes

26 February 2025

At 9.00.

Webinar

Fee per participant:

Micro small and medium-sized enterprises: free of charge,

Large companies: 500 €.

Digitizing production is no longer just a trend but a vital step for companies aiming to remain competitive and adaptable in a dynamic business environment. This session will focus on the implementation of digital solutions in production processes, with special emphasis on their impact on efficiency, traceability, and process compliance.

Participants will learn about key technologies, such as Manufacturing Execution Systems (MES), digital twins, the Internet of Things (IoT), and advanced tools for production planning. Through practical examples, we will discuss the benefits of digitalized solutions, including increased productivity, cost reduction, and improved transparency and traceability.

## Content:

- Understanding Production Digitization
  - Introduction to digitization in the production environment and how companies can identify opportunities for improvement.
  - Focus on key technologies enabling digital transformation and the importance of integrating various systems for better decision-making.
- Production Planning and Digital Tools
  - Planning as a core element of effective production.
  - Introduction to various methods and tools for planning, including:
    - Systems for precise production scheduling.
    - Micro-planning: Optimizing workforce and machine allocation.
  - Best practice examples where effective planning directly enhances productivity and minimizes deviations.
- FMEA Method as Support for Digitization
  - Explanation of the FMEA (Failure Modes and Effects Analysis) methodology.
  - Insights into how FMEA helps identify potential risks in production processes and how digital solutions mitigate these risks.
- Control Loop for Continuous Improvement
  - Importance of the control loop for real-time process optimization.
  - Presentation of how data collection and feedback improve quality and minimize deviations.
- Asset Management in a Digitalized Environment
  - Lifecycle management of assets (machines, devices, equipment) and the importance of efficient asset management.
  - Monitoring asset lifespan and optimizing their usage.

Introduction to digital tools and approaches, including preventive and predictive maintenance.

Use of Asset Management systems to enhance efficiency and reduce costs.

- Preparing Employees and Organizations for the Digital Transition

Digital transformation as both a technological and organizational challenge.

How companies can effectively prepare employees for new systems, focusing on training and fostering an innovative mindset.

Lecturer:

Peter Korenčan previously worked in the manufacturing industry, focusing on production planning and sales. He later transitioned to the IT sector, driven by the desire to solve challenges he encountered in his previous roles through digital technologies. Today, he works as a project manager and industrial solutions consultant, helping companies achieve significant improvements with small, incremental steps.

Registration fee:

The price covers participation in the event, materials and certificates. Certificates will be issued upon request.

Registration:

Applications are accepted until places are filled. The deadline for any cancellation in writing is 21 February 2025. Otherwise, we will charge you the full registration fee!

Payment

Please transfer the registration fee in advance to the GZDBK business account at NLB, d. d., Ljubljana, number SI56 0297 0025 6614 247, reference 20250226 + your company's registration number.

GZDBK registration number: 2295032. GZDBK VAT ID: SI68152990.

Please present the receipt of payment no later than upon arrival at the event.

The event takes place as part of the SRC-EDIH project.

