

## Advanced digital technologies use for circular manufacturing

23 September 2024

At 9.00.

GZDBK, conference room.

Fee per participant:

Micro enterprises: free of charge,

small and medium-sized enterprises: 200 €,

Large companies: 1000 €.

The circular economy principle is based on reducing environmental impact by designing systems that allow products to circulate longer in use. Digital technologies offer a number of benefits for the circular economy: reducing energy consumption, reusing materials, increasing efficiency by eliminating cumbersome manual processes, reducing the need for server infrastructure by using cloud computing, and supporting intangible assets, thus reducing dependence on physical resources.

We invite you to join us and discover how together we can contribute to a more sustainable future!

### **Content:**

Digital technologies can support/enable circularity and sustainability in manufacturing in the following areas:

1. Circular product design: "Design for X" (Recycle, Reduce, Reuse, ...)
2. Industrial symbiosis
3. Transition to product as a service
4. Efficiency of production processes
5. Supply chain
6. Logistics
7. End of product life

The most relevant "Industry 4.0" technologies for circular manufacturing will also be described with examples:

1. Artificial Intelligence (AI)
2. Additive manufacturing
3. Augmented reality or virtual reality
4. Blockchain and Web3
5. Data spaces
6. Digital Twin
7. Industrial Internet of Things and sensor networks
8. Metaverse for factories

The training is for:

✓ directors,

✓ corporate decision makers,

✓ heads of product development and business development departments; and

✓ anyone else interested in this subject.

Lecturer:

Valeria Radosavljević: Director of Ecolibrium, a company offering consultancy in the field of circularity and sustainability. Experienced lecturer and workshop leader, among others for OZS, MPIKov AS and KOCles. She cooperates with many companies and organisations in Slovenia and abroad.

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 19 September 2024. 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 20240923 + 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.

