Digital
Green
Human

FoMI 2024: The Future of Manufacturing and Industry

The Tripple Transition:
Digital, Green & Human

The Future of Manufacturing and Industry is Digital, Green and Human.

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Portorož, Slovenija

Why?

Learn and innovate:

The most effective and sustainable way to learn, innovate and progress is when people meet and discuss how they failed. The more spectacular the failure, the faster the learning and progress.

It's your factory!

What makes a best practice and a success story in another factory, is not what will make it the best practice and success story in your specific factory you run.

The FF Law:

Fast Fail means Fast Forward.

Don't repeat mistakes

You don't have neither money nor time even less nerves to try all the failures by yourself. Join the FoM 2024 and have the privilege of learning from other people's mistakes.

Talk to your peers

People from Manufacturing and Industry talking with people from Manufacturing and Industry, as you know and understand the manufacturing first hand.

What?

The event **is dedicated to experts, engineers, and business people from manufacturing and industrial companies** who are on a journey to a digital, green, and human future in their business.

It takes **open communication to build trust and cultivate a collaborative approach and cooperation** among people and teams in manufacturing and industrial companies.

It's **an interactive event** with plenty of opportunities for attendees and guests **to meet, talk, network, and personally exchange their experiences**.

If you want to go fast, go alone. If you want to go far, go together.

~African proverb

Challenges (The event topics and scope)

Topic 1: Digital

- The future of manufacturing relies on architecture (IIoT/UNS/MQTT vs „old school pyramid") **to provide reliable and real-time data as a single-source-of-truth (the fuel)** - to run DT, AI/ML, analytics, and deliver value to customers.

Topic 2: Green

- The future of manufacturing **is clean, eco-friendly, zero-waste, and net-zero energy. It's a carbon-neutral and sustainable** business **with recyclable and reusable products** that preserve natural resources.

Topic 3: Human

- The mission in manufacturing is **to support and empower employees** with knowledge, tools, and environment **to efficiently solve their problems on their own and make decisions based on facts and reliable data** with less stress.

Potential Speakers (TBD/TBC)

Speaker are invited to share their first-hand experiences and lessons learned in their companies. They should address particular challenges they have faced and how they managed to solve them, with all ups and downs.

Speaker	Organization	Topic	Title	Description
Matjaž Roblek	Domel	Digital		Planning and internal logistics in manufacturing
	Impol/Alcad	Digital	How is the UNS/MQTT architecture driving the OT/IT convergence?	
		Green		
		Green		
		Human		
		Human		
		…		
		…		

Agenda (TBD)

Time	Title	Speaker	Description
9.00 – 9.10	**Welcome & Opening**		
9.10 – 9.30	The morning Keynote	1	20', Technology and business trends in digital, green and human manufacturing
9.30 – 10.00		2	20'-30'
10.00 – 10.30		3	20'-30'
10.30 – 10.45	*Coffee Break*		
10.45 – 11.15		4	
11.15 – 11.45		5	
11.45 – 12.15		6	
12.15 – 12.45			Q&A / Round Table with presenters, moderator TBD
12.45 – 13.30	*Lunch Break*		
13.30 – 14.00		7	
14.00 – 14.30		8	
14.30 – 15.00		9	
15.00 – 15.30			Q&A / Round Table with presenters, moderator TBD
15.30 – 15.45	**Workshop Part 1**		Interactive Moderated Session: 3 Topics: Digital, Green, and Human
15.45 – 16.00	*Coffee Break*		
16.00 – 16.45	**Workshop Part 2**		Presentations and Open Discussion on the Workshop Results
16.45 – 17.00	**Closing Session**		Event FoMI 2024 Wrap-Up and Welcome FoMI 2025
17.00 – 20.00	**Evening Networking Party**		

The Workshops

Ideas for the workshops, not limited to listed questions and topics …

Digital

Moderator: TBD

Questions to address:

- Challenges of the OT/IT Convergence and tools: ERP, MES, QMS, …

- I4.0 and new data architectures

- EU Digital Product Passport

- The EU Acts: AI Act, NIS - Directive on security of network and information systems, DSA - Digital Services Act, …

- Digital value chains: I4.0 for connecting companies

- The process and product Digital Twins

- Impact of digital technologies in the industry (UNS/MQTT, AI/ML, AR/VR/XR, DT, no-code SW, edge-computing, …)

Green

Moderator: TBD

Questions to address:

- Collecting and applying data to optimize waste, saving energy, and lower carbon emissions

- Using data for ESG, Taxonomy, and green reporting

- The energy Digital Twin

- Net-zero manufacturing

- The product traceability

- The EU NZI Act – The Net-Zero Industry Act (7.12.2023)

- …

Human

Moderator: Nina Potočnik, Kadring d.o.o. (TBC)

Questions to address:

- Digital HRM and managing the competence matrices

- How to efficiently upskill workers?

- Obstacles to introducing new technologies in the workplace

- The future of work, redefining roles and responsibilities

- The digital working environment

- Innovation culture is not a privilege only of the R&D departments

- …