

GREENDUSTRY 4.0

The Way to Sustainability

Subtopics:

- Green industry – an opportunity for new jobs
- Key Performance Indicators - Green business leads to better numbers
- How smart factory saves energy
- Climate change mitigation
- The way to a circular economy
- Green EU funds
- Redesign of production business processes of the industry
- The importance of man as a factor in the sustainability of the economy
- Energetics of the future and technologies of their exploitation
- KAIZEN methodology and its application
- Big data and IoT – sustainability technologies
- Optimization of logistics chains
- Green trends in logistics
- Additive technologies and 3D printing in food production
- How to fit green thinking into the existing mindset

23.5. - 24.5.2023.

Hilton Rijeka Costabella Hotel

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The ninth Lean Spring Summit is a two-day conference and the 'place to be' for all individuals and companies who are interested or want to learn more about areas such as:

- Smart factory,
- Lean Management,
- Process and business optimization,
- Digital transformation,
- Lean and green transformation,
- Industry 4.0 and digital technologies,
- Green business and green technologies and
- New jobs with new knowledge in the field of digital and green technologies.

The topic of this year's Culmena conference is 'GREENINDUSTRY 4.0. – the way to sustainability'.

It is a **two-day conference** where renowned multidisciplinary speakers and experts in the field of science will present new trends, ideas, and innovations of the new era and will discuss the topic of the green industry.

Also, well-known Croatian companies will present case studies of their transformations, and optimizations in LEAN and Green solutions.

Green industry, as well as a socially responsible business, are concepts that in recent years extend through many projects, strategies of companies, the economies of individual countries, and also the global economy. More and more companies understand and accept the importance of implementing a green way of thinking and adapting their processes to the new way of doing business.

Increased awareness and continued education about global warming, climate change, and the impending depletion and scarcity of important natural resources have created a significant level of awareness and demand for the green industry.

Only when the concept of green industry rises and moves away from mere theorizing or using it for PR purposes of the company, and is implemented purposefully and meaningfully, one of the great benefits is reached - the concrete optimization of the entire business.

Studies have shown that the performance of green innovations, both as products and processes, is positively correlated with a corporate competitive advantage, i.e. the company's economic goals.

To put it more simply, **it is possible to get better numbers through the green industry!**

"Industry greening" is a method that achieves and promotes long-term sustainable economic growth, systematic improvement of industrial production as a whole, and more resource-efficient productivity of companies.

Seen from a level **macro**, a direct consequence of the implementation of the green way of doing business is the sustainability of the economy and the preservation of the planet.

Seen from a **micro** level, **green business truly CAN improve any company, provide savings and make the entire business more economical.**

As green methodologies, ideas, and processes can directly affect savings, economy, sustainability and strategic growth of the company are the topics that will be covered by our speakers, the biggest experts and scientists in this field.

Representatives of companies that already apply a green way of doing business, as well as digital transformation, will present concrete **solutions and strategic approaches** that enable:

- business improvement with the application of modern technologies,
- cost reduction and
- elimination of losses in production (Lean and green), through respect for the existing conditions in the environment, which relate to climate change

Some of the presented solutions will be:

- management of production processes using IoT systems,
- Artificial Intelligence,
- introducing smart tools for planning and managing production,
- smart digital assistants,
- robotization and automation of processes that represent bottlenecks in production,
- introduction of predictive maintenance,
- production without the use of paper documentation,
- vertical and horizontal integration,
- ERP systems 4.0,
- smart materials,
- optimization of the use of company resources,
- renewable energy sources and
- recycling and reuse of by-products and waste from production.

They said about LSS:

- “ We had the opportunity to introduce ourselves to new clients.
- “ We made a valuable collaboration.
- “ We learned a lot about new technologies in the Industry.
- “ We have started the process of optimizing business operations in the company.
- “ A great place for networking.
- “ We got new ideas.
- “ After the conference, we successfully set KPIs for the new era.

8TH INTERNATIONAL SCIENTIFIC CONFERENCE

ORGANIZER

Culmena d.o.o.

The conference is supported by the Faculty of Mechanical Engineering and Shipbuilding, University of Zagreb

ORGANIZATIONAL COMMITTEE

Anja Štefanić, Maja Briševac, Tena Cuculić, Ivan Biondić, Tomislav Klasić
Omar El Habbab, Amadea Kolovrat

HOST OF THE SCIENTIFIC CONFERENCE

Nedeljko Štefanić,

Faculty of Mechanical Engineering and Shipbuilding, University of Zagreb

TOPICS OF THE SCIENTIFIC PART OF THE CONFERENCE:

- Smart production
- Smart factory
- Smart hospital
- Smart city
- Lean production
- Lean management
- Lean in healthcare
- Lean leadership
- Lean maintenance
- Smart quality management
- Smart supply chains
- Sustainable production
- Green production
- Internet of Things and artificial intelligence (IoT and AI)
- Artificial intelligence and big data
- Internet service
- Big data
- Smart and connected data
- Additive technologies
- Redesign of production business processes
- Blockchain
- Cyber security
- Advanced robotics
- Maintenance 4.0
- Lean Six Sigma
- KAIZEN
- Medicine 4.0.
- Industry 4.0. and traffic management
- Continuous improvement system
- Renewable energy sources
- Smart energy
- Advanced materials
- Machine learning
- Deep learning
- Circular economy
- New business models
- Digital knowledge and skills
- Industry 4.0 and climate change
- Industry 5.0 and climate change
- Digital transformation
- Green transformation
- New organizational models
- New business models
- Autonomous systems
- Quality 4.0
- Integrative medicine
- Medicine 4.0
- Autonomous driving
- Digital twins in the industry
- Logistics 4.0
- Cloud computing
- Rethinking smart manufacturing
- Green business
- Circular economy technologies
- Predictive maintenance
- Prescriptive maintenance

GENERAL INFORMATION

IMPORTANT DATES

March 15, 2023. - Deadline for abstract submission

- abstracts are uploaded on the conference website
- the document must be in .doc or .docx format and must contain a short title related to the topic

March 20, 2023. - deadline for notification of selected abstracts

April 20, 2023. - delivery of the entire work (optional)

- information on the preparation of scientific articles will be sent after notification of abstract acceptance

May 12, 2023. - deadline for notification of acceptance of a scientific Article

- You can send inquiries related to scientific papers to the email address natasa.tosanovic@fsb.hr

REGISTRATION FEE

„Early Bird“ discount (payments until May 11, 2023.)	265,00 € + VAT
Regular fee	400,00 € + VAT
For 3 to 5 people from the same company (per person)	200,00 € + VAT
For 6 or more people from the same company (per person)	160,00 € + VAT

Recipient

Culmena d.o.o., Maksimirska 115, Zagreb

OIB: 72205564976

Purpose of payment: Registration fee, company name – LSS 2023

Zagrebačka banka IBAN: HR3223600001101782054

ACCOMMODATION FOR PARTICIPANTS

Hotel Hilton Costabella (5*)

Opatijska ulica 9, 51000 Rijeka

www.hilton.com

Single room per night **209,00 €**

Double room per night **284,00 €**
(142,00 € per person)

CONTACT

W: culmena.hr

A: Savska 41, 10 000 Zagreb

T: 01 5808 390

E: info@culmena.hr



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