



BLOCKCHAIN

ONLINE TRAINING

Blockchain in Manufacturing -
From Basics to Working Knowledge
(Intermediate)



Co-funded by the
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AUSTRIAN
BLOCKCHAIN
CENTER

R E S E A R C H

DATES AND DURATION

Two days training:
15 June 2023
14:00 - 18:00 CEST
+
22 June 2023
14:00 - 18:00 CEST

FORMAT

Online

LEVEL

Intermediate

OFFICIAL CERTIFICATION

Certificate of attendance

FEE

450,00 EUR + VAT

PARTICIPANT PROFILE

Managers and managing engineers from manufacturing and related industries with a business or technical background and a basic understanding of blockchain technology, interested in increasing their knowledge of blockchain and building a solid foundation for its application in their industry.

Participants should have a few years of experience in their industry and be proficient in English.

[MORE INFORMATION AND REGISTRATION](#)



DESCRIPTION

Blockchain and related distributed ledger technologies (DLT) have the potential to disrupt the industrial sector. While this development can be challenging for established players, it also offers new opportunities to innovate processes and develop new business models.

Building on participants' pre-existing basic knowledge of blockchain technology, the course discusses advanced technical concepts such as smart contracts and oracles, both from theoretical and practical perspectives. Based on a solid understanding of the technology, the design and evaluation of blockchain-based solutions will be discussed.

The course is focused on knowledge transfer and consists of two online sessions where participants will learn about and discuss advanced concepts, fields of applications and concrete use cases.

CURRICULUM

Session 1: Advanced Concepts

- Smart contracts and tokens
- DApps, Oracles
- Protocol landscape and ecosystems

Session 1 covers the advanced concepts of blockchain technology including smart contracts, tokens, and dApps. Taking a bigger-picture perspective, this session gives an overview of current protocols and blockchain ecosystems.

Session 2: Use Cases

- Use case evaluation
- Use case design
- Legal perspectives

Session 2 will present a framework for the evaluation of blockchain use cases and a process for designing own use cases. The aim is to give participants the tools to analyse as well as develop solutions based on blockchain technology. Special attention will be given to legal perspectives of blockchain-based solutions.

LEARNING OUTCOMES

In the course, participants will gain an extended understanding of blockchain technology from a technological as well as business perspective including:

- concepts such as dApps, Oracles and Smart Contracts
- current and future applications of the technology in the industrial sector
- a basic understanding of the design and evaluation of use cases

DR. STEFAN CRASS

ABC RESEARCH

Stefan is a senior researcher and area manager at ABC Research. Previously, he worked as a research assistant at the Vienna University of Technology (TU Wien). His research interests include blockchain technologies and applications but also coordination models, middleware architectures, modelling languages, security, and design patterns.



MAG. VINZENZ TREYTL

ABC RESEARCH

Vinzenz is a senior researcher and area manager at ABC Research. His research interests include blockchain-based business processes and business models, as well as the economic impact triggered by DLT/blockchain. Vinzenz also works as a lecturer at the WU Vienna Institute for Entrepreneurship and Innovation.



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