

BLOCKCHAIN

ONLINE TRAINING

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



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:
16 May 2023
14:00 - 18:00 CEST
+
23 May 2023
14:00 - 18:00 CEST

FORMAT

Online

LEVEL

Basic

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, interested in building a basic knowledge of blockchain technology.

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 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.

The beginner course gives an introduction to blockchain and related distributed ledger technologies (DLT), both from theoretical and practical perspectives. Building on an understanding of the core technology, current developments, use cases and trends in the industrial sector will be discussed.

The course is focused on knowledge transfer and consists of two online sessions in which participants will learn about and discuss core concepts, as well as use cases of the technology.

CURRICULUM

Session 1: Technology Basics

- Introduction to blockchain
- Core technological concepts
- Overview of extended features

Session 1 covers the core technology. The participants will join a step-by-step discussion on how core blockchain protocols work and form the basis for introducing cryptographic foundations, data structures and basic consensus mechanisms. In this session, we will also talk about advantages and drawbacks, additionally giving an overview of advanced concepts.

Session 2: Use Cases

- Use case overview with a focus on manufacturing and related industries
- Current trends in blockchain from a business perspective

Session 2 provides an overview of the use cases of blockchain technology with a special focus on applications in manufacturing and industry. In this session, we will also discuss current trends and potential future developments in the field.

LEARNING OUTCOMES

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

- the basic working principles of blockchain
- the main blockchain protocols and their characteristics
- current and future applications of the technology in the industrial sector.

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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