

Target Group: Specialist & Expert

Technology Stream

Take a deep dive towards
technological specialization

TRAINING PORTFOLIO

Training Effort		Skill Level	
3-5 DAYS		Level 3: Qualification for new Roles	
1-2 DAY(S)		Level 2: Qualification for new Tasks & Responsibilities	
1-2 HOUR(S)		Level 1: Relevant Insights into Current Topics & Trends	

		Focus Areas								
		Technology & Innovation Management	New Products & Ventures	Sustainability	Artificial Intelligence	Industry 4.0				
Target Group related Stream	Acceleration Stream	Explorer	Technology & Innovation Management Essentials		Artificial Intelligence Essentials		Industry 4.0 Essentials			
					Sustainability Regulations Insight	Explainable AI Insight				
					Circular Economy Insight	Ethical AI Insight		Digital Twin Insight		
	Management Stream	CxO	CxO-Retreat: Leading to an intelligent & sustainable future							
		Director	Chief Innovation Director						Digital Transformation & Scaling	
		Manager	Chief Technology Manager	Corporate Venture Manager	Chief Sustainability Manager	Chief Data-Driven Business Manager		Chief Digital Operations Manager		
					Hydrogen Economy	Data Governance	Data Strategy Manager	Flexible Digital Production	Digital Supply Chain & Integrated Planning	
	Technology Stream	Expert								
		Specialist				Machine Learning Specialist		Digital Twin Implementation	Industry 4.0 Specialist	

MACHINE LEARNING SPECIALIST

Level 3: Qualifications for new Roles

Artificial Intelligence

Target Group Specialist

ABOUT THIS TRAINING:

The MACHINE LEARNING SPECIALIST training introduces participants to the world of AI through prominent examples and practical use cases in industry. In interactive sessions, participants discuss and develop an AI use case - from idea to implementation. In addition to data pipelines, data analysis processes and data mining tools, there will also be a special focus on data visualization and preparation. The participants get to know different methods in the area of supervised learning, unsupervised learning, deep learning as well as reinforcement learning. Finally, participants will get an insight into Big Data architectures and the Big Data ecosystem as well as an outlook on the topic of Edge AI.

WHY THIS TRAINING IS FOR YOU:

The MACHINE LEARNING SPECIALIST training is designed for technical professionals in the field of data analysis who want to understand the concrete technological methods and approaches and gain hands-on experience with the main methods of artificial intelligence. Basic programming skills are required.

TRAINING GOAL:

After this training, participants have gained an in-depth understanding of the different methods of artificial intelligence. Based on practical, interactive exercises, participants have learned, among other things, the most relevant machine learning techniques and gained a sound understanding of the individual AI building blocks.

LEARN MORE ABOUT:

- ✓ Building Blocks of AI
- ✓ Data Science
- ✓ Python for Data Science
- ✓ Databases & Pipelines
- ✓ Data Analysis & Visualization
- ✓ Explainable AI
- ✓ Machine Learning
- ✓ Supervised Learning
- ✓ Unsupervised Learning
- ✓ Deep Learning

OUR PARTNERS:



DURATION

5 DAYS



FORMAT

ON SITE



LANGUAGES



DATE & PLACE

20.-24.03.2023

Munich

19.-23.06.2023

Aachen



PRICING

4,200.00 €
price without VAT

INDUSTRY 4.0 SPECIALIST

Level 3: Qualifications for new Roles

Industry 4.0

Target Group Specialist

ABOUT THIS TRAINING:

Industry 4.0 implementation is a cross-functional field requiring competences in various segments – IT, OT, production processes and further business processes. This training enables an understanding of all relevant fields needed to successfully implement an Industry 4.0 project and to find the right role within the project for team members from one of the various needed specialist areas. Furthermore, you learn putting the individual aspects of an Industry 4.0 project in context with a larger scope Digital Transformation of your plant or company.

WHY THIS TRAINING IS FOR YOU:

This training is directed at production, logistics, planning, IT or OT experts who are taking on responsibility for (a major part of) an Industry 4.0 project and want to understand the big picture as well as knowing the requirements and interfaces to the various other disciplines involved in the project.

TRAINING GOAL:

At the end of the training, participants understand the various roles needed for a successful Industry 4.0 project, have an overview about the relevant goals, applications, challenges and technologies involved in the other disciplines involved in such a project

LEARN MORE ABOUT:

- ✓ Applications of Industry 4.0 and their impact on various functions in the plant
- ✓ Technologies behind Industry 4.0 and their key implications
- ✓ Challenges in an Industry 4.0 project and how to overcome them
- ✓ How to interact between the individual Industry 4.0 project team and the overall IT and OT infrastructure

OUR PARTNERS:



DURATION

5 DAYS



FORMAT


ON SITE



LANGUAGES



DATE & PLACE

19.-23.06.2023 
Berlin



PRICING

4,200.00 €
price without VAT

DIGITAL TWIN IMPLEMENTATION

Level 2: Qualifications for new Tasks & Responsibilities

Industry 4.0

Target Group Specialist

ABOUT THIS TRAINING:

The training takes you on a journey into the field of digital twins and the simulation of processes and supply chains. After an introduction to the topic and terminology, we give an overview about different application areas and types of the digital twin as well as the value of different applications. In addition, we will cover the basic architecture and technical enablers and embed the digital twin in the topic of Industry 4.0.

WHY THIS TRAINING IS FOR YOU:

The training is directed towards decision-makers and specialists who are keen to learn more about the foundations and vast potentials of digital twins, to gain a clear understanding for the subject area and steer according projects in their company.

TRAINING GOAL:

The training offers you deeper insights into the fundamentals and application areas of digital twins and especially in how far this technology can contribute towards better and faster decision-making as well as a reduction of production and operating costs. This knowledge is meant to support you to identify and assess potential application scenarios in your company that have a positive impact on your business performance.

OUR PARTNERS:



LEARN MORE ABOUT:

- ✓ Proactive decision making
- ✓ Managing supply chain uncertainties
- ✓ Supply chain visibility
- ✓ Digital twin vs. digital shadow
- ✓ Digital process twins
- ✓ Digital supply chain twins
- ✓ Predictive process control
- ✓ Predictive quality



DURATION

1 DAY

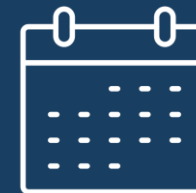


FORMAT



ON SITE



LANGUAGES



DATE & PLACE

10.02.2023 
Aachen
04.07.2023 
Aachen



PRICING

900.00 €
price without VAT

CONTACT US



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