

AAS TRAINING PROGRAMME

BECOME AN EXPERT



Learn everything about
Asset Administration Shell (AAS) –
first-hand from leading experts
at the Home of AAS.

GET TO KNOW THE AAS – TAILORED TO YOUR NEEDS

- Choose from flexible modules and go all the way to becoming a **Certified AAS Expert**.
- Explore key use cases and build practical skills step by step.
- The only AAS training programme with **IDTA certificate and post training expert support**

CHOOSE FROM THE MODULES THE TRAINING THAT SUITS YOU BEST:

- Basic Training (Modules 1-3)
- Advanced Training (Modules 1-5)
- Expert Training (Modules 1-8)
- Post Training Expert Support
- Add-On Exercises



YOUR ADDED VALUE

- Directly applicable knowledge
- Exchange with the leading AAS experts
- Basics for your digital machine projects



AAS TRAINING PROGRAMME

FROM FUNDAMENTALS TO EXPERT LEVEL



MODULE 1 (M1): Introduction to the AAS

- Fundamentals of the AAS
- Industry 4.0 and Digital Twins
- Concept and vision of AAS
- Use cases and benefits

MODULE 2 (M2): The AAS Standard

- Basics of modelling: Technical specification
- AAS Metamodel & Submodels
- International standard IEC 63278-1

MODULE 3 (M3): Explore your own use case

- Goal of your use case
- Use data from your company

MODULE 4 (M4): Tools and Reference Implementations

- Get to know AAS tools
- Eclipse BaSyx
- AASX Package Explorer
- AAS Dataspace

MODULE 5 (M5): Hands-on – Creating your own AAS

- Model
- Validate
- Deploy

MODULE 6 (M6): IDTA Ecosystem & Dataspace (Factory-X / MX Port Leo)

- The exchange of AAS in the dataspace
- Architecture & role models
- AAS Dataspace
- Interaction between Manufacturing-X (M-X)

MODULE 7 (M7): Hands-on – Integration into the AAS dataspace

- AAS in the dataspace
- Setting up the AAS server
- Connection to the dataspace via the M-X port Leo
- Exchange of data

MODULE 8 (M8): Certificate examination

- Final exam & practical project: Connection to the dataspace

ADD-ON EXERCISES

E1: How to get started: Brownfield data & AAS

E2: How to write a Submodel Templates

E3: Deep Dive BaSyx

E4: EU Regulations, ESPR, DPP, DataAct and CRA with AAS

E5: AI & Advanced Manufacturing



AAS TRAINING PROGRAMME

PRICES & PACKAGES



EXPERT LEVEL

BASIC TRAINING

- M1:** Introduction to the AAS
- M2:** The AAS standard
- M3:** Explore your own use case

Complete with Participation Confirmation

1.400 Euro

(IDTA Members 1.250 Euro)



ADD-ON EXERCISES

Additional courses can be added – **500 Euro**

In combination with basic, advanced or expert training.

EXPERT LEVEL

ADVANCED TRAINING

BASIC TRAINING +

- M4:** Tools and Reference Implementations
- M5:** Hands-on – Creating your own AAS

+ POST TRAINING SUPPORT

- Weekly Open Hour
- Support Channel
- Additional Hands-On Material

Complete with Participation Confirmation

2.900 Euro

(IDTA Members: 2.650 Euro)



EXPERT LEVEL

EXPERT TRAINING WITH CERTIFICATE

ADVANCED TRAINING +

- M6:** IDTA Ecosystem & Datapace (Factory-X / MX Port Leo)
- M7:** Hands-on – Integration into the AAS dataspace
- M8:** Certificate examination

+ POST TRAINING SUPPORT

- Weekly Open Hour
- Support Channel
- Additional Hands-On Material

Complete with AAS Expert Certificate

3.900 Euro

(Members: plus 1 add-on exercise)



Above prices are subject to VAT



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