MindSphere Academy
Attendance Certificate

Edge Analytics Training for MindSphere

«ParticipantFName»
«ParticipantLName»

Date: «Training_Date»
Place: «TrainingLocation»

Description

During this three-day training the participant acquired detailed knowledge about MindSphere edge analytics based on CMS X-Tools and MindConnect Edge Analytics. The architecture and functionalities of CMS X-Tools has been covered in detail, and the participant has learned how to connect CMS X-Tools clients and servers to multiple content management systems (CMS) and other devices, and protocols for acquiring data. After this training the participant is able to configure different devices as data sources and process the data with analytics algorithms for both products. Furthermore, the participant has learned how to store data locally or how to integrate this preprocessed data into MindSphere.

Objectives discussed

- Use edge computing based on CMS X-Tools and MindConnect Edge Analytics to collect, preprocess and analyze data before sending it to MindSphere
- Develop an integrated edge computing solution with MindSphere
- Create your own monitoring views, analytics algorithms and local data storage

Content

- CMS X-Tools
  - Functionalities and architecture
  - Connectivity possibilities
  - (Local) data storage
  - Data analytics and visualization
- MindConnect Edge Analytics
  - Architecture and functionalities
  - Data storage (in MindSphere)
  - MindConnect Bridge
  - MindConnect Edge Analytics Engine

Training methods

- Interactive lectures
- Hands-on exercises with CMS X-Tools and MindConnect Edge Analytics

The participant has attended the 3-day training.
Training instructor

«Trainer»
Training instructor