EDDIE PROJECT CO-ORGANIZED THE SMART ENERGY SOLUTIONS FOR THE ENERGY TRANSITION CONFERENCE

28th July 2023, EDDIE Consortium

EDDIE Project co-organized the Smart Energy Solutions for the Energy Transition conference together with Bochum University of Applied Sciences, RWTH – Aachen University and the IDEASFORUM e.V. association. The event took place on the 24th of May 2023 in Herne and addressed the important role of open-source data platforms and business models for the necessary change in the energy grid as part of the energy transition.


Considering that our energy grids are becoming increasingly complex due to the increasing decentralization and volatility of energy production. This is accompanied by the need for digital, powerful and smart technology solutions to enable the long-term transition to an economical and renewable energy system that guarantees security of supply.

The workshop dealt with the important role of open-source data platforms and business models for the necessary change in the energy grid as part of the energy transition. The open-source technologies MQTT (Message Queuing Telemetry Transport) and FIWARE for use in smart energy networks has been presented. For this purpose, a physical demonstrator was presented in each case in order to illustrate the functions and fields of application. In addition, the development of business models in connection with Smart Cities has been discussed as well.

The workshop addressed the following questions:

- What challenges in data management does the energy grid have to face as part of the energy transition?
- What role do open-source technologies play in smart energy networks?
- What are concrete examples of the use of open-source technologies such as MQTT and FIWARE?
- What role do business models play for smart city solutions in the energy transition?
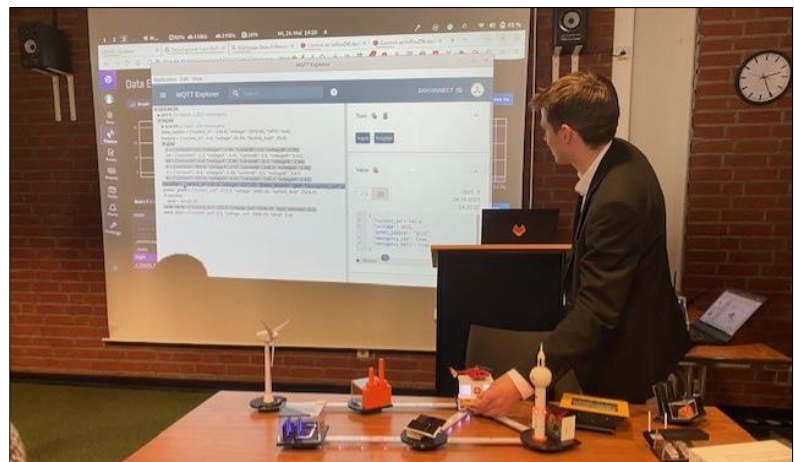
As such, given the above questions, the agenda of the event started with the challenges of data management in the energy grid and continued with presentations of the MQTT and of the LEGOS demonstrator; of the FIWARE and of the Functional Miniature Model from the Herne climate district and presentation of the Smart City business models. In short lectures, impulses have been given, and current concepts were presented. The participants had the opportunity to network with each other and with the speakers.

Based on the skills gap analysis, education and training solutions, the implemented data base to support a strategic map of stakeholders and the deployment of several demos and pilots, EDDIE project offered valuable inputs on the topic of smart energy solutions for the energy transition.