

Artificial Intelligence based solutions for electrical grids

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Abstract

Nowadays, large amounts of data are available in electrical systems and they are often underused. Artificial Intelligence (AI) techniques can help to extract value from this data and support the decision-making process for managing power grids. Electrical grids are evolving towards smart grids, with a growing integration of renewable generation, electric vehicles and energy storage systems, which are allowing energy decarbonisation, but also imply a more complex operation of the electricity system. AI techniques can help to solve this challenge. This presentation focuses on BD4OPEM H2020 [1], a European project in which an Analytic Toolbox is being developed for interconnecting data providers and service providers that offer AI-based solutions to improve the monitoring, operation, maintenance and planning of electrical distribution grids.

REFERENCES

[1] BD4OPEM H2020, Big Data Solutions for Open Innovation Energy Marketplace

<https://bd4opem.eu/>



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