

Business Models and Flexibility Service On The Electricity Market*

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Abstract

The aim of this paper is to discuss challenges related to developing business models for the new network services such as providing the energy flexibility on the electricity market in a business ecosystem created through Internet of Things development and Smart Grid apps. Moreover, one of such models is presented in detail and compared with P2P share trading assumptions. The knowledge on methods of designing new business models for the new network services in the electricity market is still incomplete and requires further investigation. That's why, the scenarios of the developed new model are proposed as well as the functional assumptions of the energy flexibility aggregation model, which have been implemented for the specific IoT platform.

Keywords: Business model construction principles; energy market; new services and innovations on the electricity market management for flexibility products.