

A Case Study on Smart Energy City of the UK: Based on Business Model Innovation

Authors : Minzheong Song

Abstract : The purpose of this paper is to see a case of smart energy evolution of the UK along with government projects and smart city project like 'Smart London Plan (SLP)' in 2013 with the logic of business model innovation (BMI). For this, it discusses the theoretical logic and formulates a research framework of evolving smart energy from silo to integrated system. The starting point is the silo system with no connection and in second stage, the private investment in smart meters, smart grids implementation, energy and water nexus, adaptive smart grid systems, and building marketplaces with platform leadership. As results, the UK's smart energy sector has evolved from smart meter device installation through smart grid to new business models such as water-energy nexus and microgrid service within the smart energy city system.

Keywords : smart city, smart energy, business model, business model innovation (BMI)

Conference Title : ICITSES 2019 : International Conference on Internet of Things and Smart Energy Systems

Conference Location : Paris, France

Conference Dates : December 30-31, 2019