The brooklyn microgrid Colombia

The Brooklyn Microgrid is a small-scale energy system whereby households can trade their excess renewable energy capacity with their neighbours using a secure blockchain platform. The Brooklyn Microgrid is a prototype for peer-to-peer energy exchange systems, launched by LO3, Consensys, and Siemens in 2016.

The Brooklyn Microgrid is one of the few examples - in this literature review - that managed to get around monopolies by creating a benefit corporation under the New York law and allowing for an energy trading market.

Participants in the Brooklyn Microgrid will ultimately have the tools to influence and guide decisions about their energy assets as well as the health and resiliency and infrastructure of their microgrid.

In Brooklyn, LO3 Energy has teamed up with Siemens to create a pilot microgrid using blockchain technology. Residents with solar panels can sell excess energy back to their neighbours, in a peer-to-peer transaction which takes advantage of blockchain.

DNV discusses the Brooklyn Microgrid project with Belinda Kinkead, Director of LO3 Energy, Australia, and discovers how it will transform the way that we interact with our power supply. In this thought-provoking episode, DNV talks to Belinda about the creation of LO3"s Brooklyn Microgrid project.

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To fast track solutions, Brooklyn Microgrid is pushing for a local renewable energy marketplace driven by the very community it will one day service. Energy production and use is the largest source of global greenhouse-gas.

A blockchain-based microgrid power transaction level model and power transaction process management process are proposed and an access interface between the microgrid smart terminal and the blockchain is designed to realize the connection between the blockchain and the underlying equipment.

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