

# Mauritius lo3 energy brooklyn microgrid





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### Energy industry case study: LO3 Energy and the ...

The Brooklyn Microgrid project uses Exergy, LO3 Energy's permissioned blockchain platform, to enable a small group of local energy producers to automatically conduct transactions with

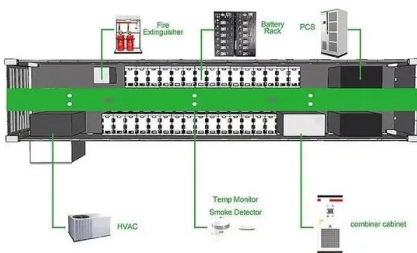
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### Smart Grids and Energy Storage: A Microgrid Grows in Brooklyn

LO3 Energy, a young New York company, is working with Siemens Digital Grid and Siemens' startup financier next47, called the Brooklyn Microgrid project. There, neighbors are empowered to produce, consumer and purchase power within their community with a blockchain enabled transactive energy platform.



### Blockchain Is Helping to Build a New Kind of Energy Grid

LO3 Energy launched its peer-to-peer energy transactions system, which it calls the Brooklyn Microgrid, about a year ago. The miniature utility



grid connects people who have solar panels



### **Energy industry case study: LO3 Energy and the Brooklyn Microgrid**

Creating a blockchain-based virtual microgrid for clean energy "The Brooklyn Microgrid reimagines the traditional energy grid model, with the concept of a communal energy network.

### **Brooklyn's Blockchain-Enabled Energy Microgrid**

The Brooklyn Microgrid is a prototype for peer-to-peer energy exchange systems, launched by LO3, Consensus, and Siemens in 2016. Energy is generated from individually owned household renewable energy systems such as rooftop solar, and connected to the microgrid using existing energy transmission infrastructure.



### **The Brooklyn microgrid: blockchain-enabled community power**

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. Microgrids minimise the amount of energy lost through transmission; as an estimated 5% of



## The Brooklyn microgrid

Brooklyn microgrid is actually 50% owned by the local community and 50% owned by LO3 Energy. It is both a virtual microgrid and a physical microgrid, which means that part of the project, it allows, it covers a ten-block radius in Brooklyn that would be able to island, which means disconnect from the greater grid in a time of either extreme



## Brooklyn Microgrid , Community Powered Energy

Brooklyn Microgrid is developing a community-powered microgrid. Participants can engage in a sustainable energy network and choose their preferred energy sources, locally.

## Brooklyn Microgrid , Community Powered Energy

What is Brooklyn Microgrid (BMG)? BMG is a community-driven initiative that began in the Park Slope and Gowanus communities, Spring of 2016. A Benefit Corporation established by LO3 Energy, the project reimagines the traditional energy grid model, with the concept of a communal energy network. There are hundreds of participants enrolled and



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