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**C I R E D . N E T**



WORKING GROUP  
**BLOCKCHAIN**  
# 2018 - 6

**Blockchain,  
transactive energy  
and P2P trading**

**June 2020**

## Summary

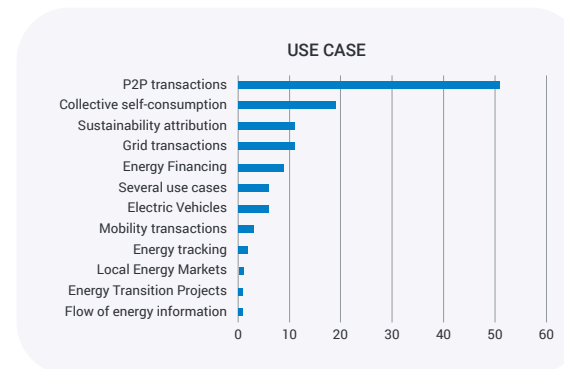
Blockchain use cases continue to grow and it is expected that more businesses will latch on to this concept, namely in energy sector. This revolution is expected to generate significant economic gains both directly and indirectly as businesses and governments realize blockchain's efficiency gains.

Concurrently, Transactive Energy Marketplaces (or Peer-to-Peer Energy Trading Platforms) in which people both generate and purchase energy from one another on a transactional basis emerge. Building the infrastructure and processes to support this is a formidable technical and process challenge.

## Report Elaboration

The objective of the "Blockchain, Transactive Energy and P2P Trading" report is to investigate the opportunities and challenges related to blockchain technology in transactive energy, and role of DSOs (Distribution System Operators) in the implementation of these new technologies and marketplaces.

The report identifies more than 120 projects related to Blockchain/Transactive Energy/P2P trading. All the processed data about these projects could be found on the report as presented below.



## Structure of the final report

To answer the question of how Blockchain / P2P / Transactive Energy technologies can change the traditional energy business, the structure of the final report presents:

- Projects, which have focused on the use of blockchain for DSOs, and find out the opportunities and challenges in the implementation of this technology;
- Impacts of the blockchain on the energy sector and community energy model concept;
- Opportunities of blockchain for DSO;
- Conclusions and recommendations for further actions.

# INTERNATIONAL CONFERENCE ON **ELECTRICITY DISTRIBUTION**

