Jackson Walker LLP

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17th Annual Gas and Power Institute

Blockchain 101

A primer on blockchain and distributed ledger technology and its application in the energy industry

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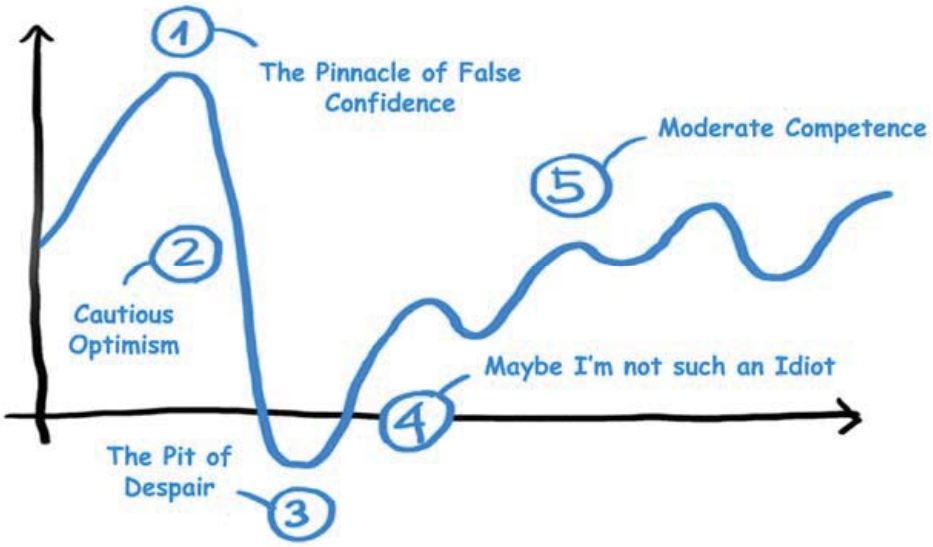
Blockchain 101 | The Learning Curve

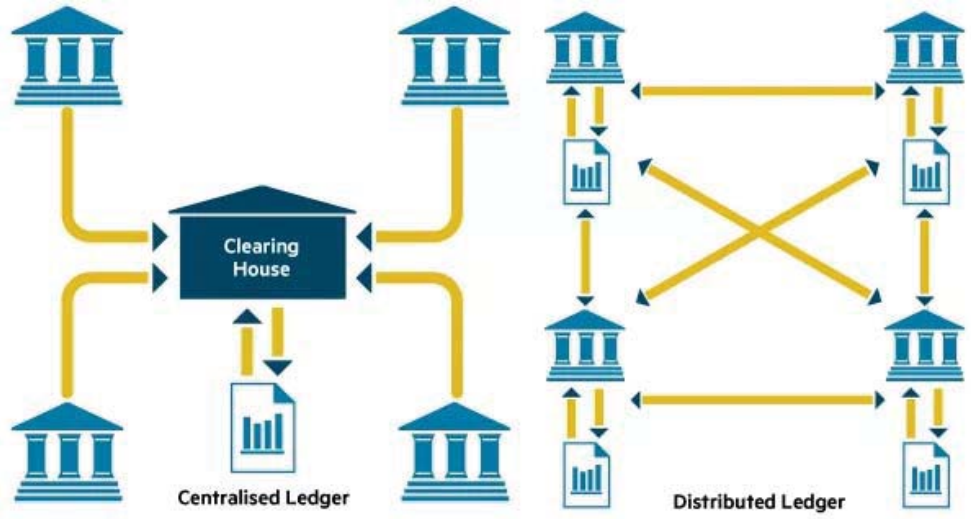


* Source: Luke J. Gilman, Jackson Walker LLP.

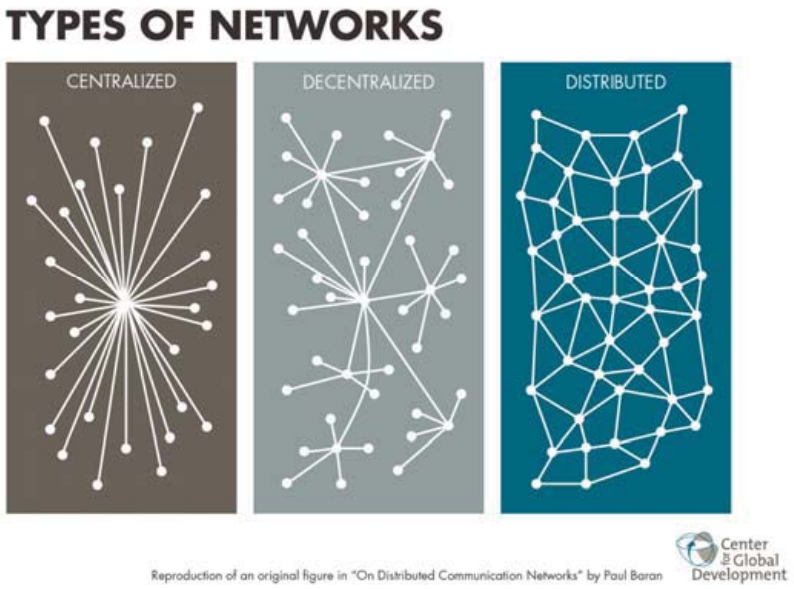
Blockchain 101 | Fundamentals

- Single ledger of information
- Distributed and locally stored
- No single party controls the information
- Visible by all participants in the network
- Permanent and irreversible
- Secure and tamperproof
- No need for intermediaries

Blockchain 101 | Centralized vs. Distributed



Blockchain 101 | Centralized vs. Decentralized vs. Distributed



Blockchain 101 | How it Works

- Parties agree to a transaction
- It is distributed to the nodes on the network
- Nodes validate the transaction and the parties' status
- Transaction is combined with other transactions to form a block
- Blocks are chained together in chronological order – hence, *blockchain*

Title search: Blockchain 101

Also available as part of the eCourse
2018 Gas and Power eConference

First appeared as part of the conference materials for the
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"Blockchain 101"