



# WHAT IS BLOCKCHAIN?

## BLOCKCHAIN DEFINED:

Blockchain is a shared, immutable ledger (list of records) that records transactions and monitors assets in a network. In a blockchain, assets can be tangible (products, currency, land) or intangible (digital goods, copyrights, intellectual property). Anything can be tracked and traded on a blockchain.

At its core blockchain is a meshing of technologies that brings security, efficiency, transparency, and trust to networks.

## WHY BLOCKCHAIN IS IMPORTANT:

Business runs on data. The faster and more accurate, the better. Blockchain can provide immediate, shared, and transparent information all stored on an immutable (unchanging) ledger. The data can then only be accessed by allowed members.

Blockchain can be used to track production, payments, accounts, products, and so much more. All members on a blockchain share a single view of the truth and can see the details of every transaction. This gives everyone greater assurance, enables new efficiencies, and brings increased opportunities.

## KEY ELEMENTS OF A BLOCKCHAIN



### SMART CONTRACTS

Sets of rules stored on the blockchain that execute automatically when certain criteria are met (defined contract terms, quotas, etc.).



### IMMUTABLE RECORDS

Records are recorded to the blockchain and no participant can alter the shared ledger. If incorrect information is entered a new transaction must take place to correct the error.



### DISTRIBUTED LEDGERS

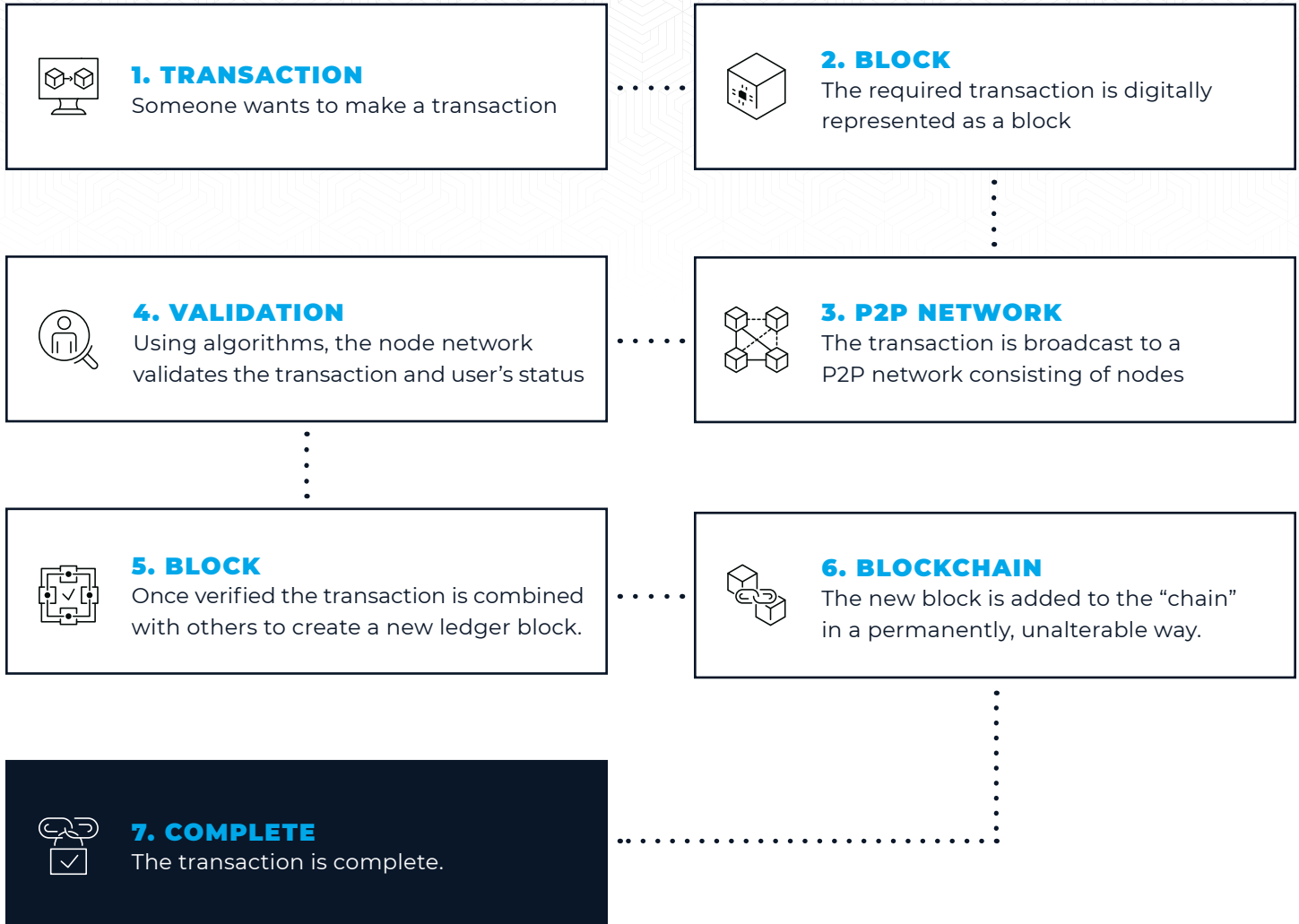
All participants have access to the public ledgers. It provide every detail of a transaction and the participants involved.



### CONSENSUS

The decision making algorithm that creates reliability in the network and establishes trust between participants.

# HOW IT WORKS



## WHY BLOCKCHAIN?



**TRACEABILITY**



**ENHANCED SECURITY**



**GREATER TRANSPARENCY**



**INCREASED EFFICIENCY AND SPEED**

## COMMON USE CASES

- Supply chain and Logistics
- Secure Identity
- Payments or Royalties
- Medical Information
- NFT Marketplaces
- Cross-border Payments
- Decentralized Financial (DeFi)
- Insurance
- Government Accountability