

BLOCKCHAIN MOVING PAST BITCOIN BUZZ

THE BLOCKCHAIN BREAKDOWN

3 MAIN TYPES



Public

decentralized framework that allows anyone to add themselves to the network, read transactions, transfer assets and participate in the consensus process



Consortium

hybrid of the public and private platforms, leveraging the decentralized nature of the public Blockchain and the permissioned capability of the private Blockchain



Private

largely centralized and strictly permissioned, allowing only a pre-approved set of members to read and send transactions and participate in the consensus process

4 MAIN COMPONENTS

Membership Services

managing identity, certificates and permission levels

Consensus Manager

validating and maintaining consistent data across all nodes

Distributed Ledger

stores timestamped validated transactions

Smart Contracts

executes business logic through chain code

See more data. Share more data. Secure more data.

What is Blockchain?



The blockchain is an incorruptible digital ledger of economic transactions that can be programmed to record not just financial transactions but virtually

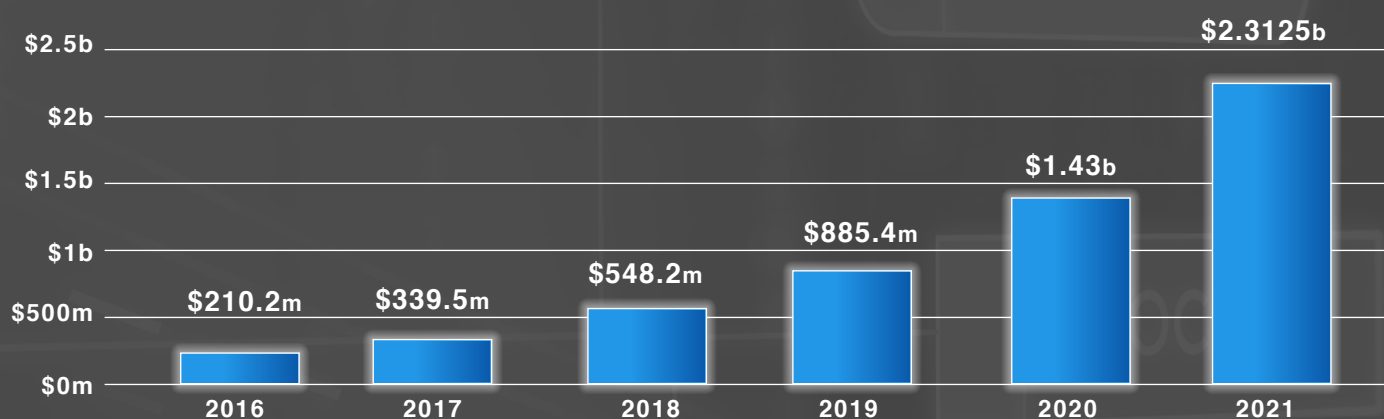
everything of value.

Don & Alex Tapscott
Blockchain Revolution (2016)



THE BLOCKCHAIN BOOM

Size of the Blockchain Technology Market Worldwide from 2016 to 2021



BLOCKCHAIN + TRANSPORTATION

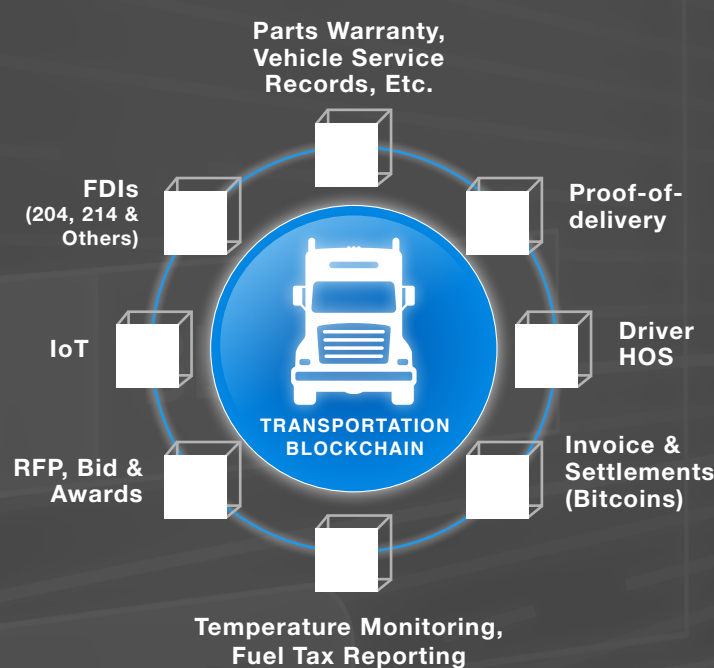
\$500 BILLION

Potential revenue opportunity for blockchain within freight transportation

- Global Truck Brokerage (~\$160b)
- Freight Forwarding (~\$150b)
- Truck Fuel Spend (~\$175b in the U.S.)
- Supply Chain Management Software (~\$10b)

Blockchain Components

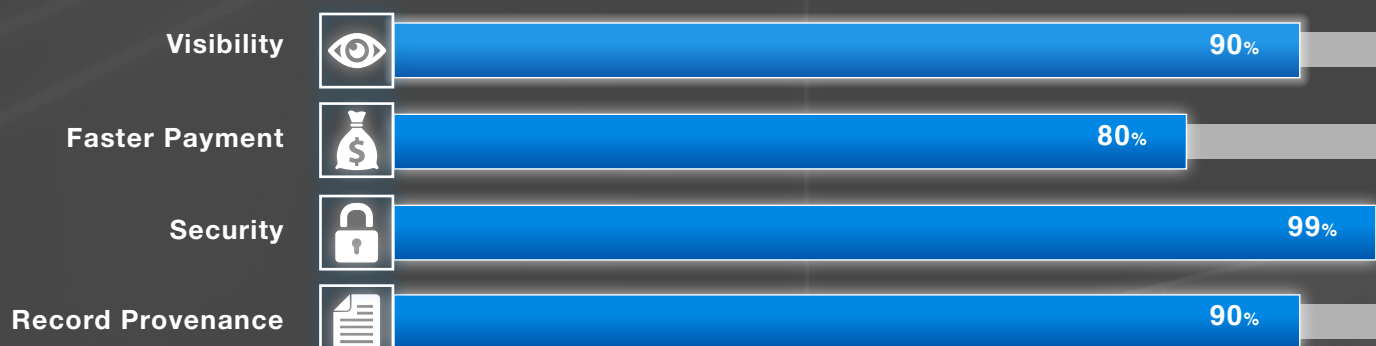
- Smart Contracts
- Freight Payment
- Transparency & Chain of Custody
- Asset Maintenance
- Gray Trailer Pools



SAVINGS WITH BLOCKCHAIN

anticipated savings for transportation companies utilizing blockchain technology to eliminate operational inefficiencies ...

\$60-80 MILLION



WIN WITH BLOCKCHAIN TECHNOLOGY

Real competitive advantage never comes easy. Building a Blockchain system that provides high availability, performance and security will require extensive planning and design. TMW Systems is already on it. So you have a partner to get there faster... and WIN EVERY TIME.