

### **Blockchain - Interoperability in Logistics**

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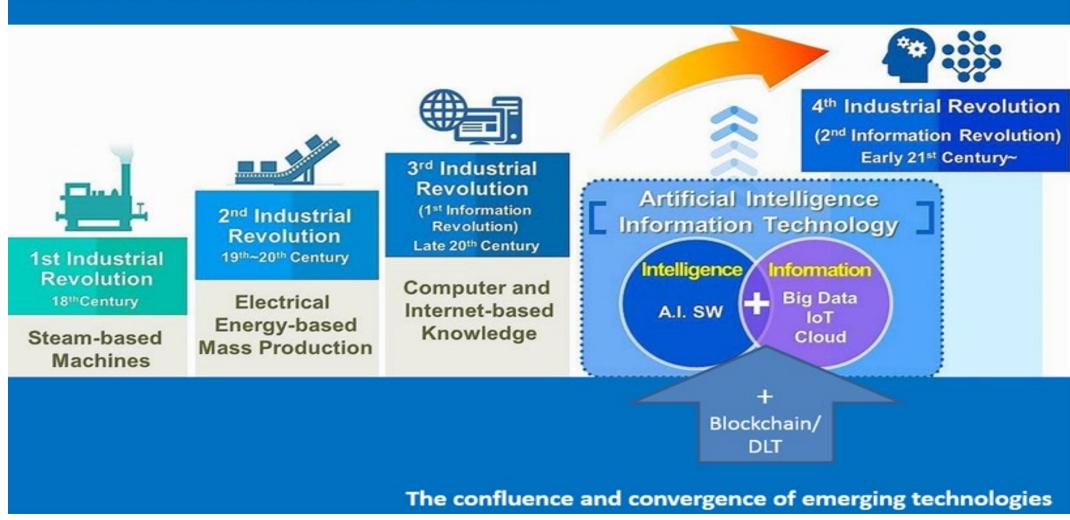
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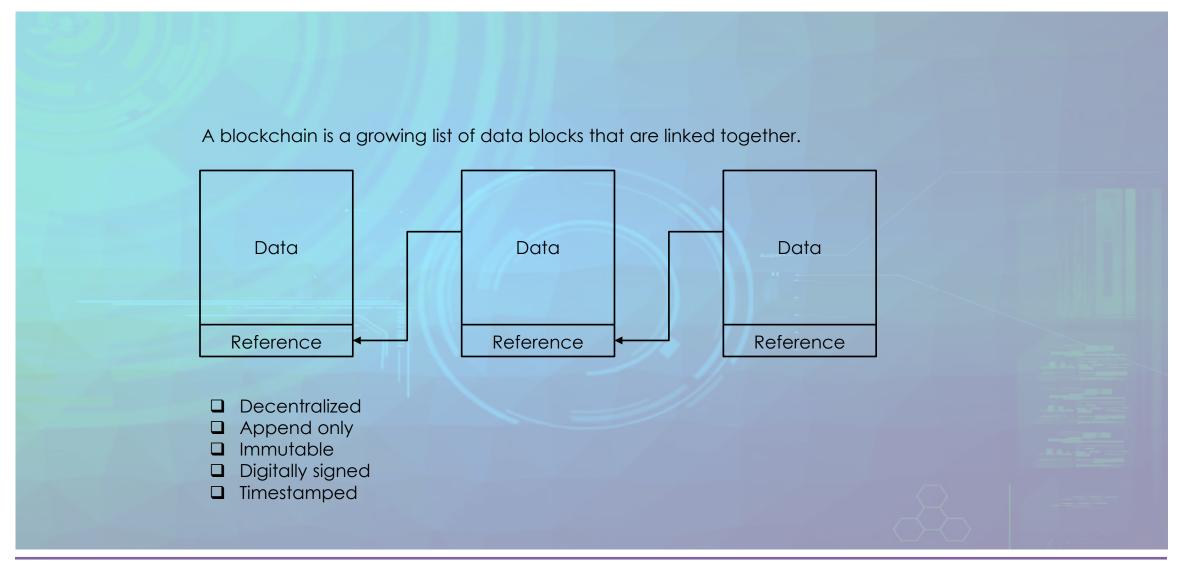
# **Industry 4.0**

### The Fourth Industrial Revolution





## What is a Blockchain?





## Blockchain for business – BC 3.o...



#### **Shared ledger**

Append-only distributed system of record shared across business network



#### Cryptography

Ensuring appropriate visibility; transactions secure, authenticated and verifiable



#### Consensus

All parties agree to network verified transaction

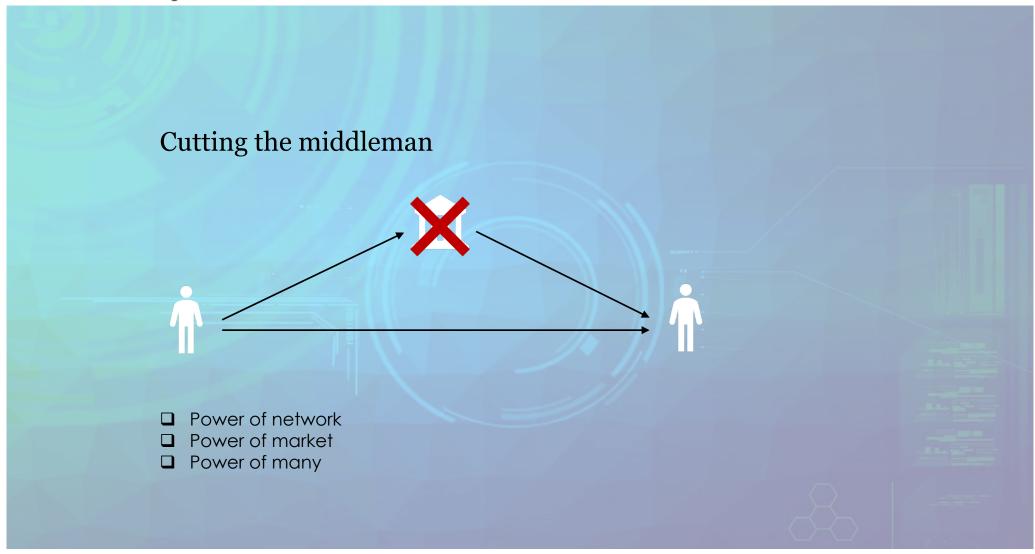


#### **Smart contract**

Business terms embedded in transaction database and executed with transactions



# Why Blockchain?





### **Business benefits**



#### Saves time

Transaction time from days to near instantaneous



**Removes cost** 

Overheads and cost intermediaries



Reduces risk

Tampering, fraud and cyber crime



Increases trust

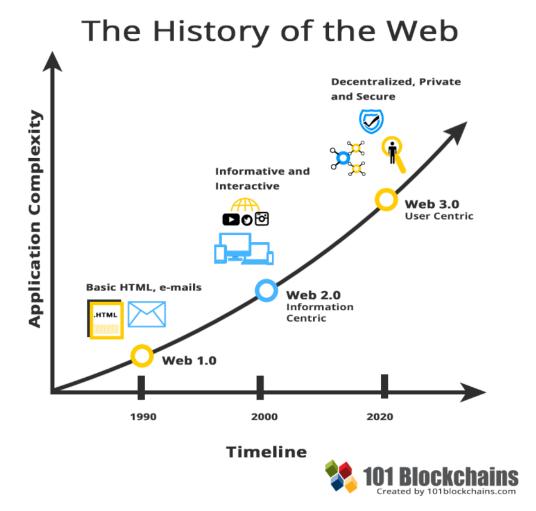
Through shared processes and recordkeeping



# Web 3.0 – Make People Valuable Again

### The new internet is:

- User-centric
- More secured
- More private
- Better connected





### **Blockchain & IoT**

- Security
- Tamper proof data
- Trustless
- Autonomous

### Applications:

- Vehicles
- Smart appliances
- Energy markets
- Ports
- Oracles
- Everywhere...





## Logistics 4.0

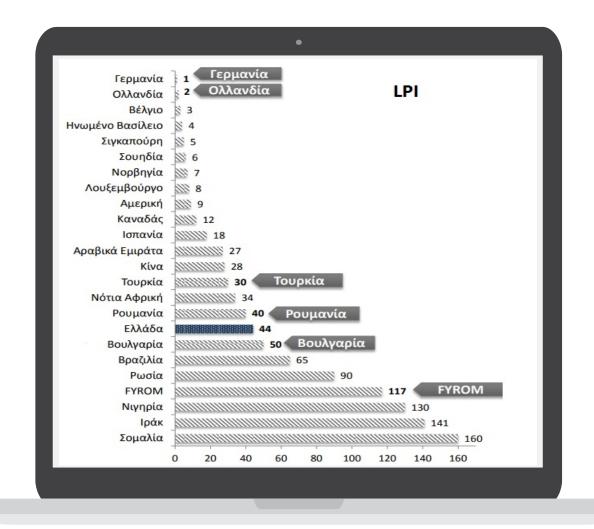




5% of total workforce



A strong ecosystem





## **Blockchain in logistics**



#### **Logistics nightmare**

- \$140b in disputed payments
- Admin cost -> 20% of TC
- Tons of papers
- Huge diversity of ERPs and SWs
- Demand & Supply mismatch
- Sensitive products overlooked

#### Blockchain approach

- Smart contracts **Immediate** payments
- No intermediary is required
- Just electronic transactions
- Interoperability is guaranteed
- One common DLT
- IoT transactions



# **Logistics 4.0 – Interoperability**

