



Blockchain 3.0

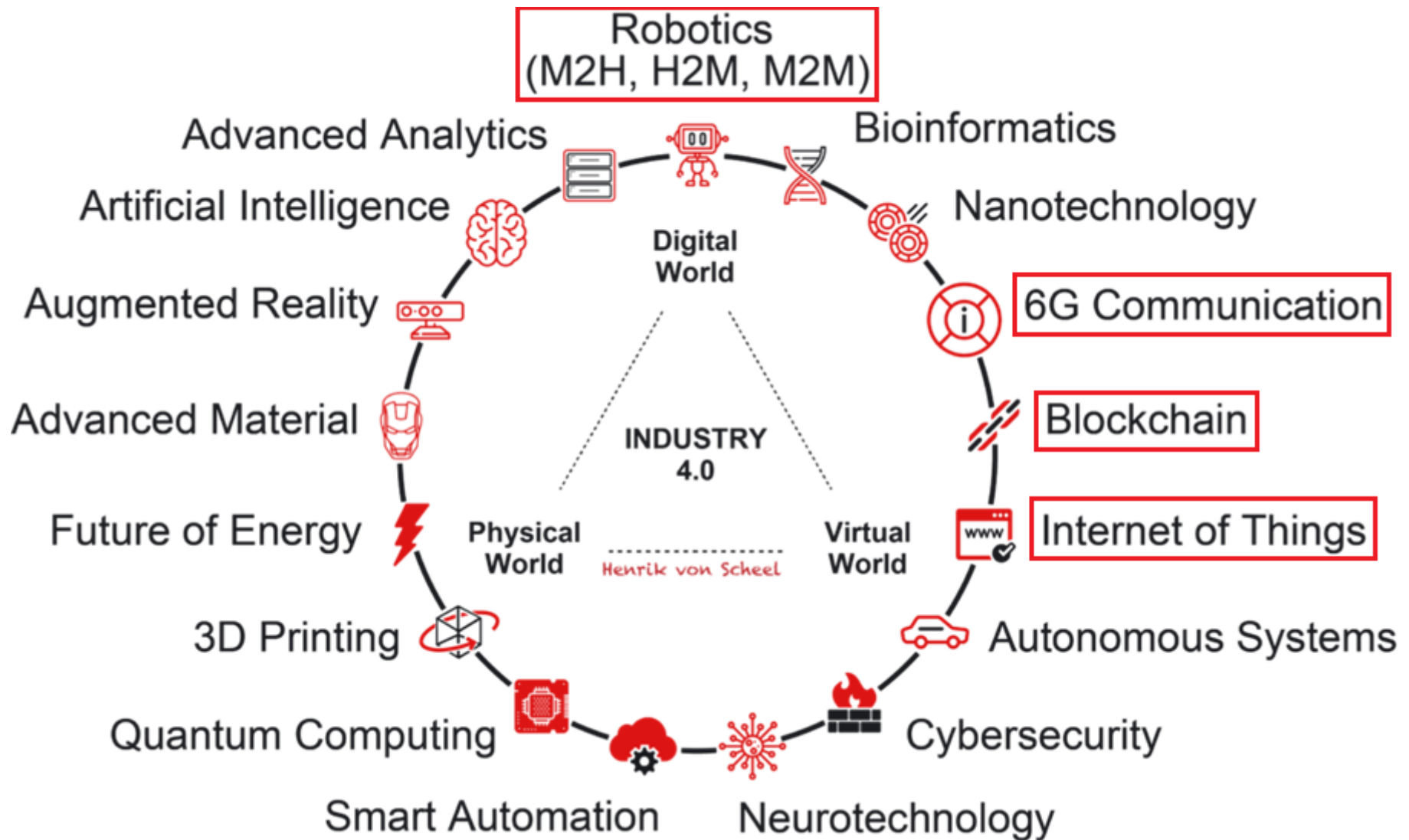
Panagiotis Zikos

Co-Founder iLink New Technologies

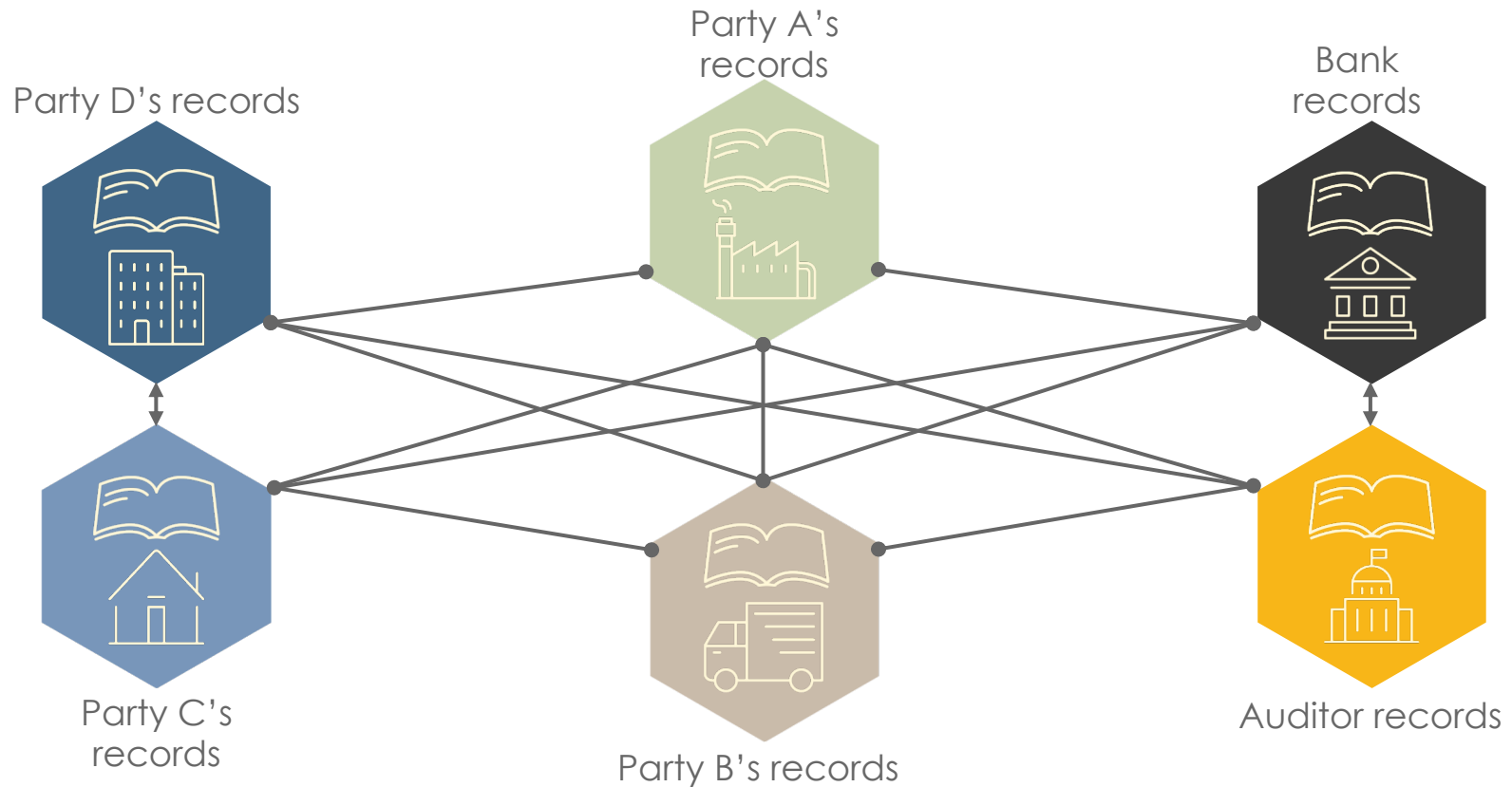
ITS Hellas BoD member, HBH member

Dipl. Eng. NTUA, MSc CMU, MBA, MIT Blockchain

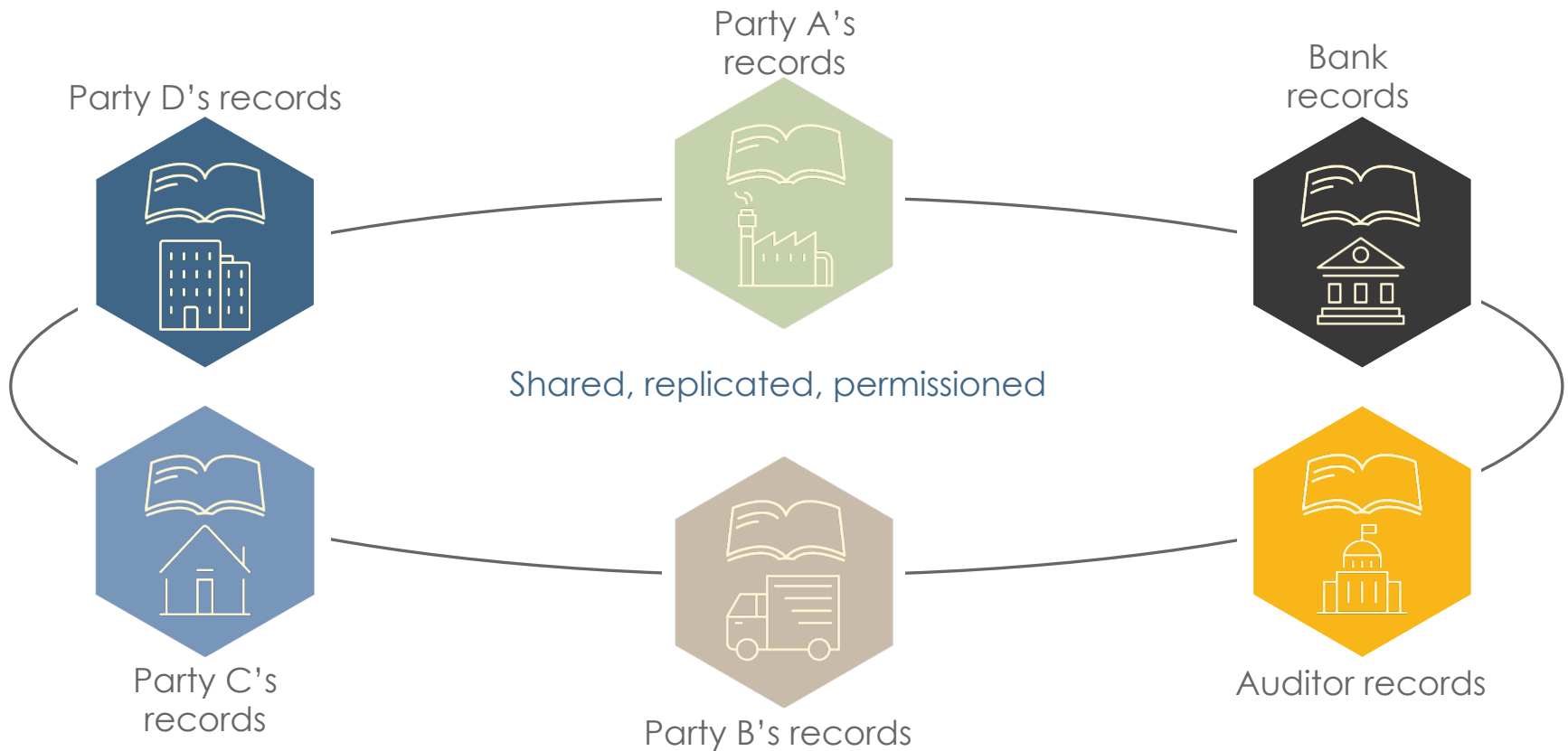
Industry 4.0



Asset transfer processes are inefficient, expensive, vulnerable

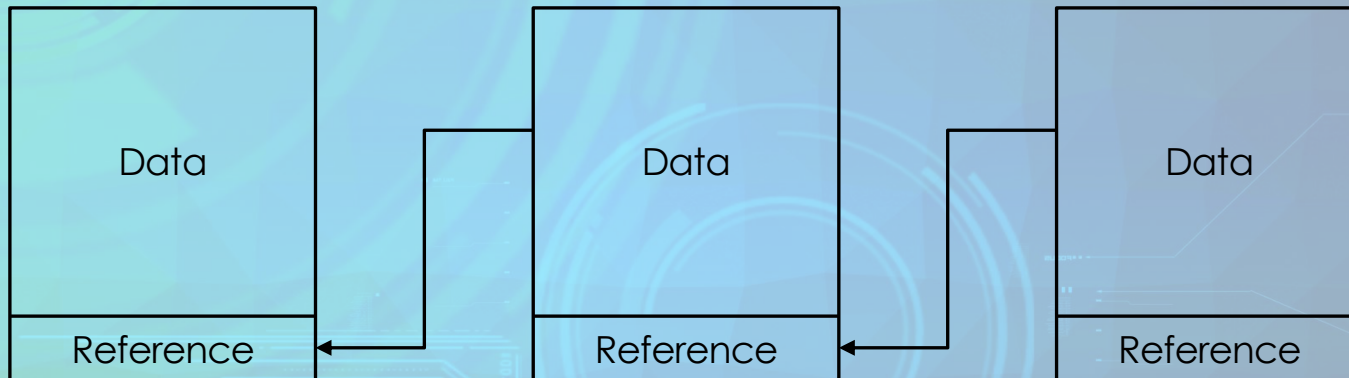


“Digital trust” is required



What is a Blockchain?

A growing list of data blocks that are linked together.



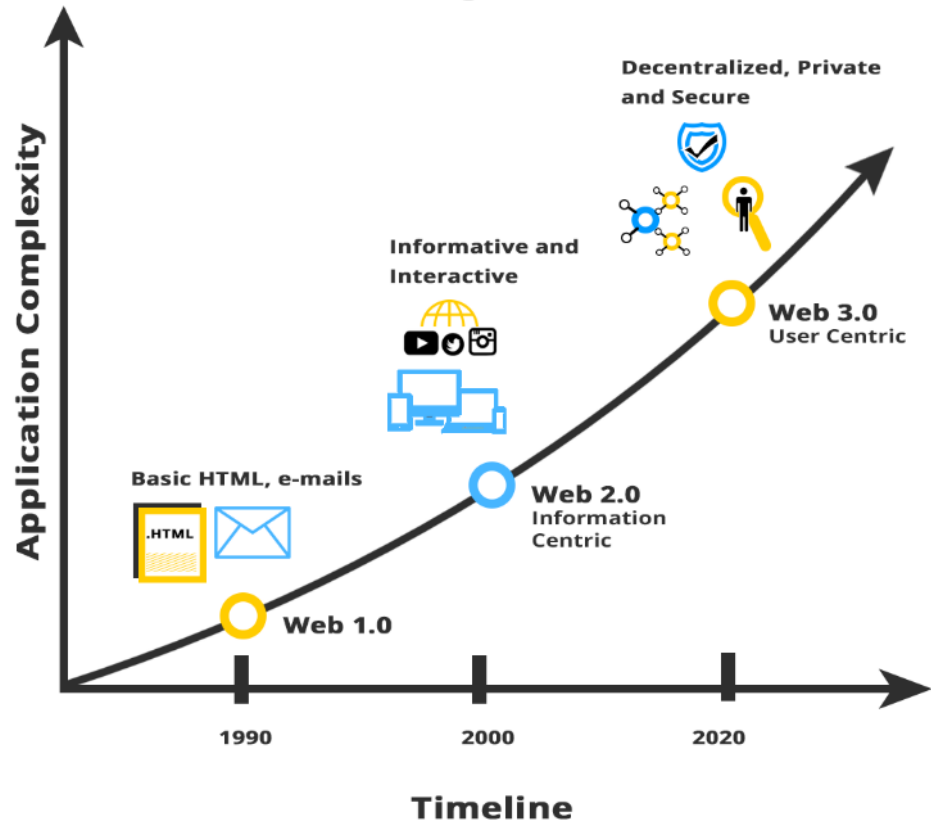
- ☐ Decentralized
- ☐ Append only
- ☐ Immutable
- ☐ Digitally signed
- ☐ Timestamped

Web 3.0 – Make People Valuable Again

The new internet is:

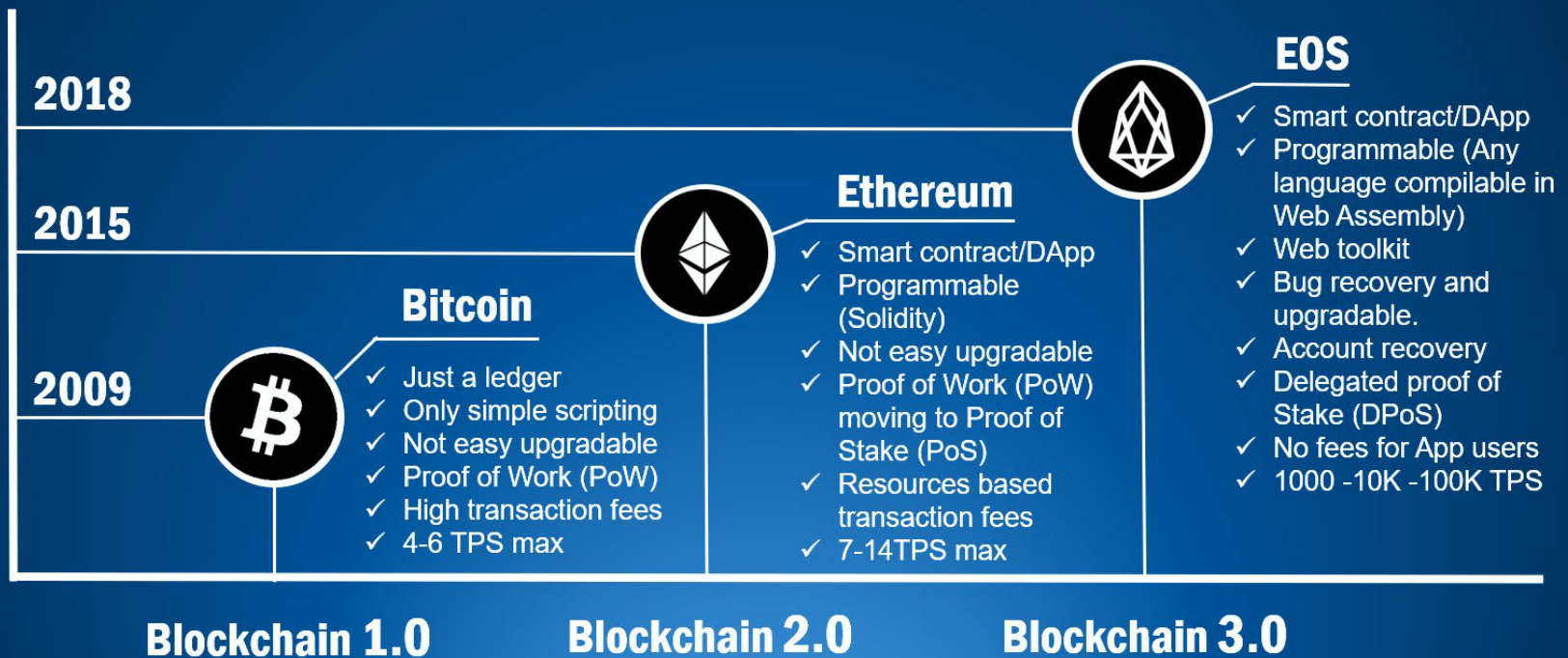
- User-centric
- More secured
- More private
- Better connected

The History of the Web



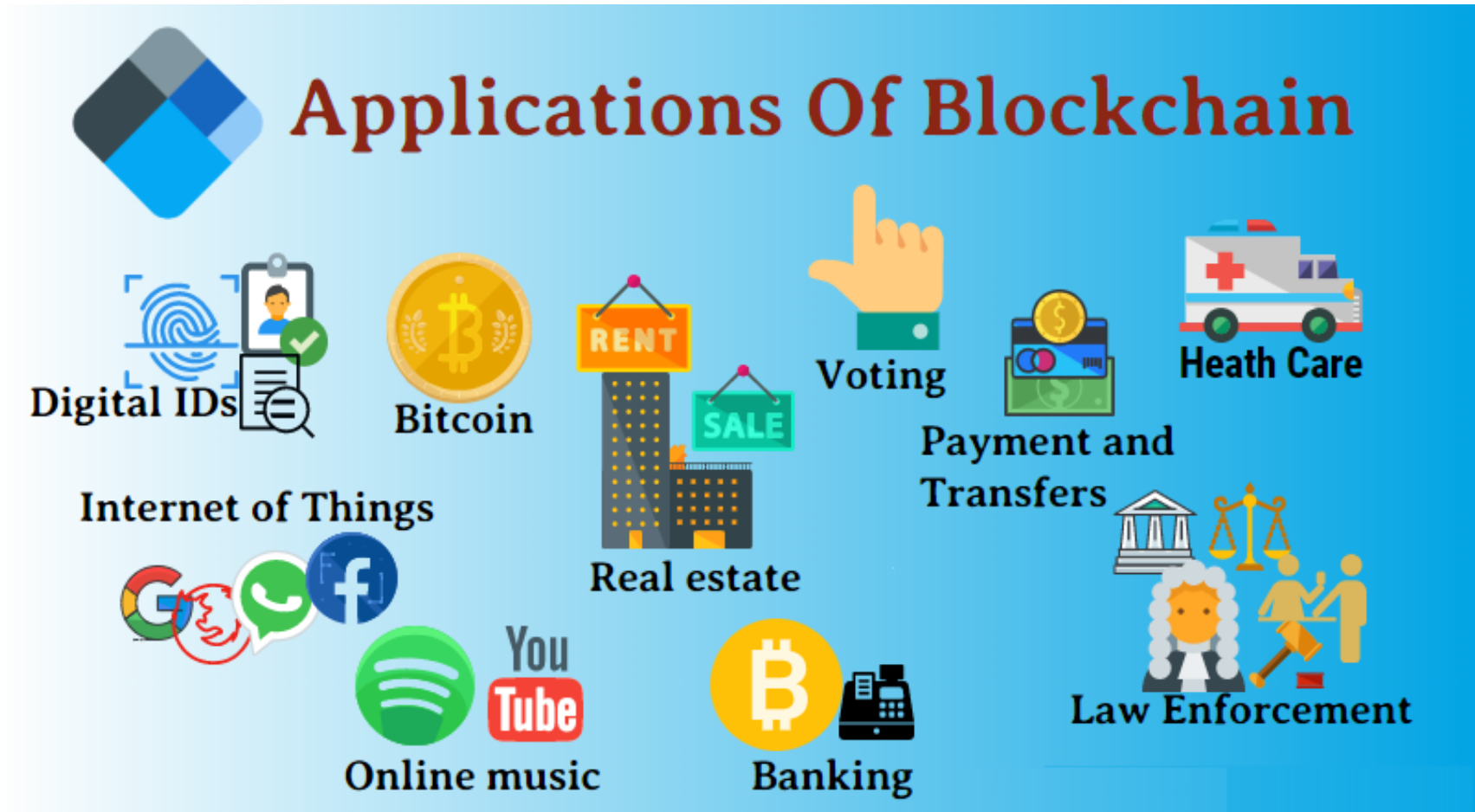
Blockchain evolution

The evolution of the Blockchain



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Blockchain 3.0



Data (of any kind) ownership

Blockchain & IoT

- ❑ Security
- ❑ Tamper proof data
- ❑ Trustless
- ❑ Autonomous

Applications:

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

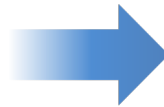


Blockchain in Supply Chain



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**

Blockchain in Telematics

Αυτόματη δημιουργία
βέλτιστων δρομολογίων



Ανάθεση δρομολογίου
σε οδηγό/όχημα



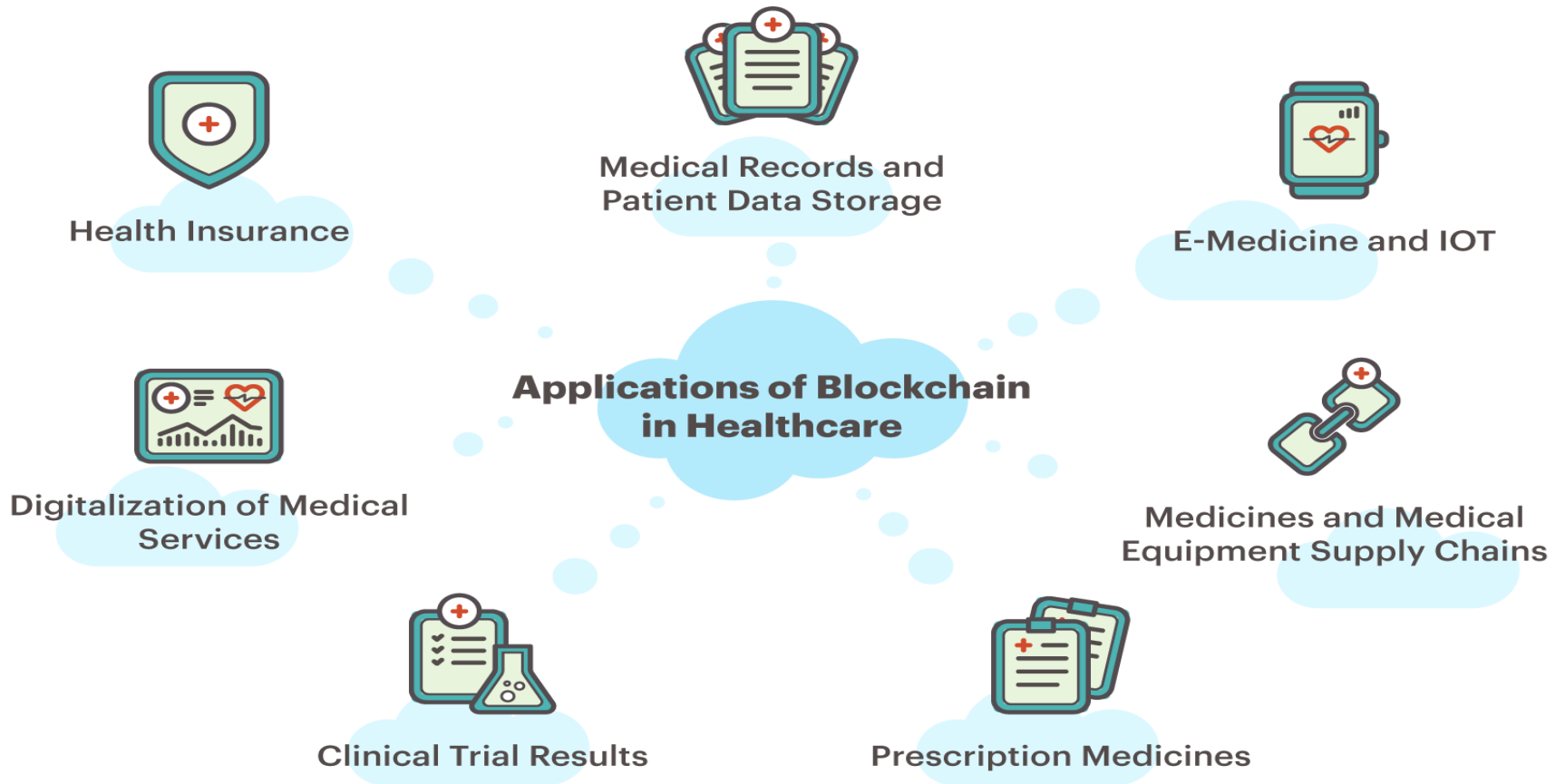
Real time παρακολούθηση
εξέλιξης δρομολογίου



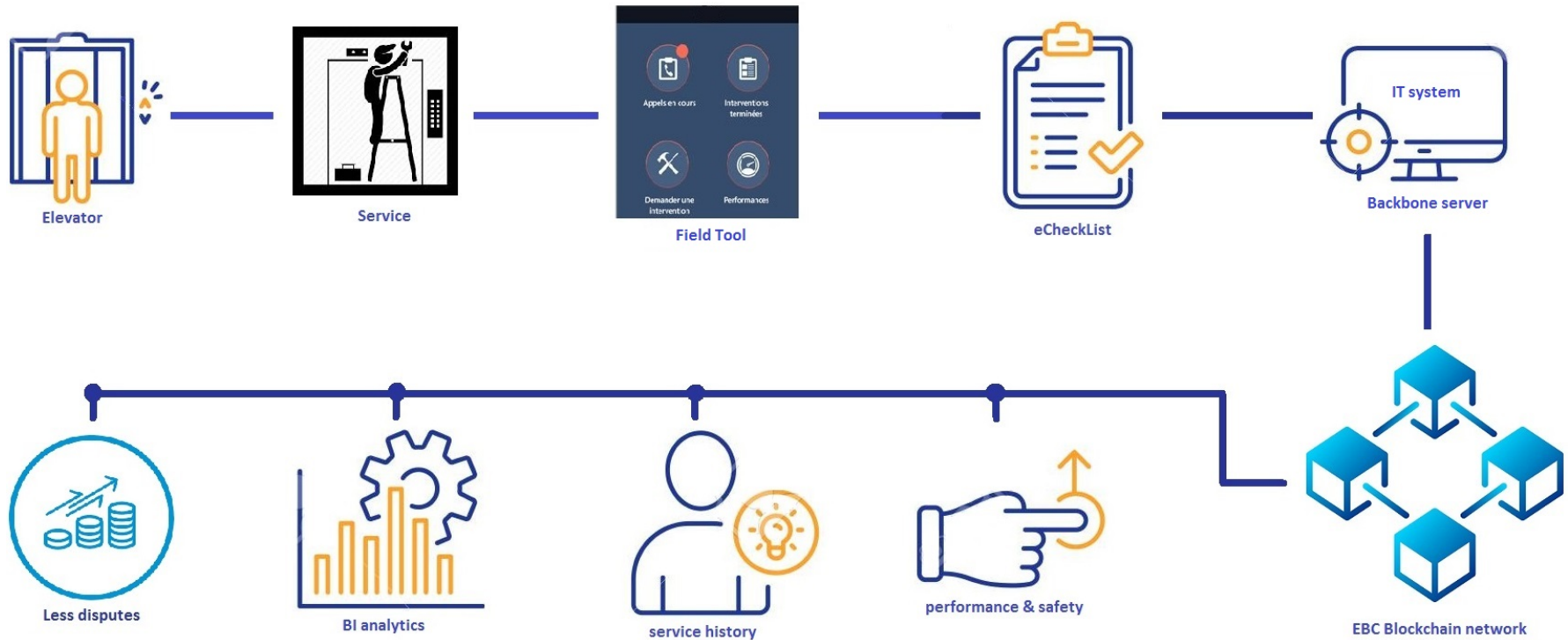
- Route data
- Location data
- Sensors Data
- Cargo data
- Traffic data
- Proof of Delivery



Blockchain in Healthcare



Blockchain in Asset Maintenance



What Blockchain is NOT...

- Bitcoin...
- The solution to (all) your problems
- Adjust it to your case, not vice-versa
- Data ownership?
- Data governance?
- Data privacy?
- Data security?

SIMPLIFIED BLOCKCHAIN DECISION TREE

