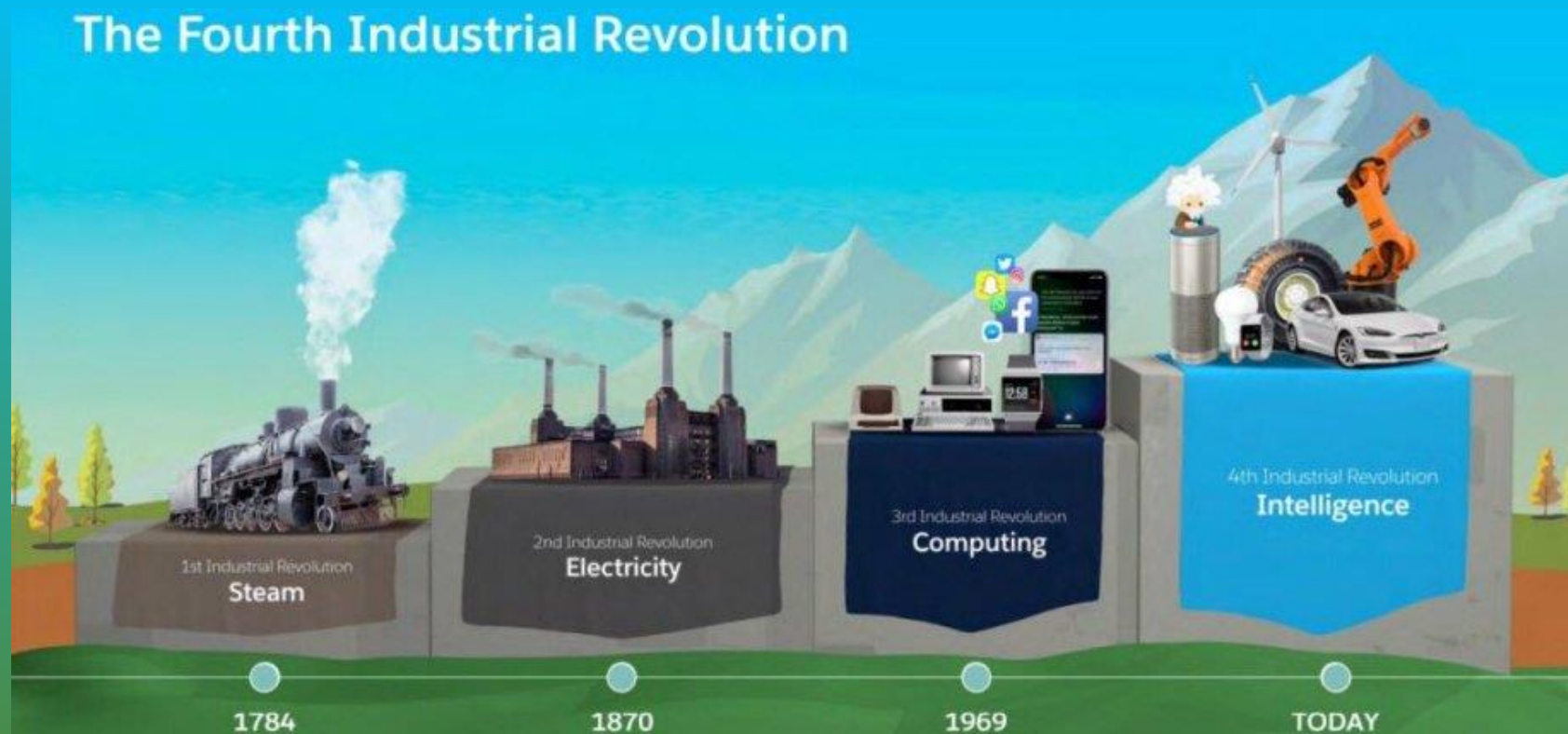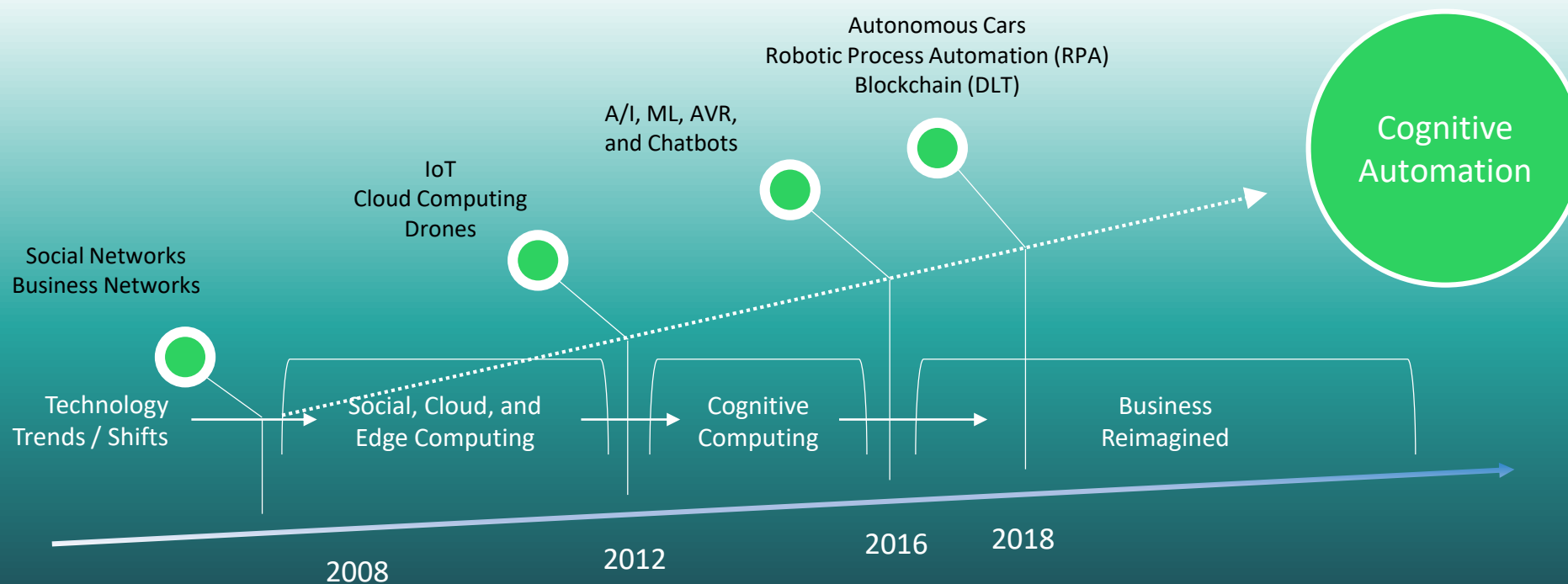United Solutions

Reimagining Your Business

WITH EMERGING TECHNOLOGIES

INTELLIGENCE REVOLUTION
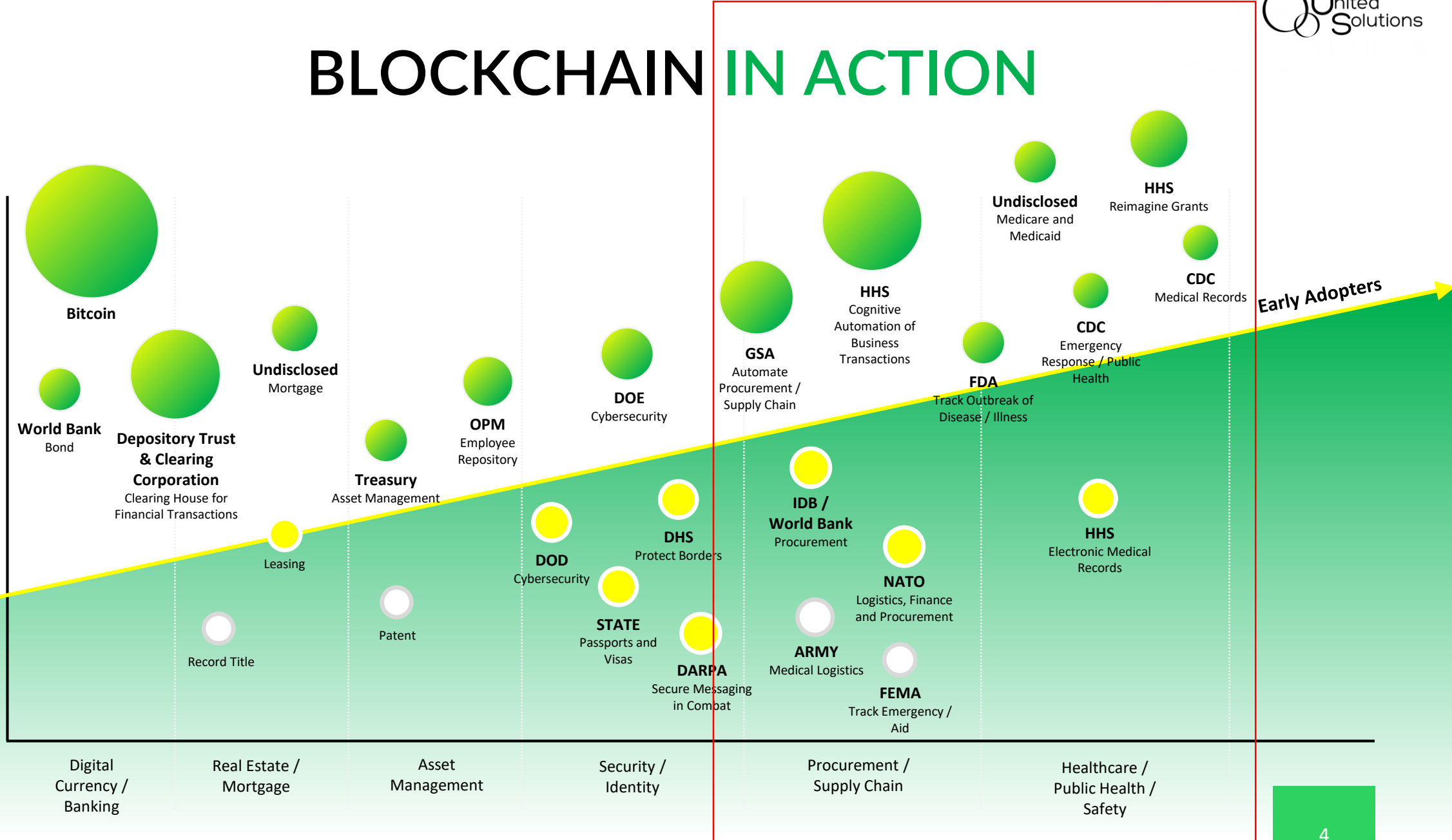

Source: Nokia

DISRUPTIVE TECHNOLOGIES RESTRUCTURE BUSINESS MODELS

BLOCKCHAIN IN ACTION

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Adoption

- Building Blockchain
- Expressed Interest
- Potential Use Case

Early Adopters

Bitcoin

World Bank
Bond

Depository Trust & Clearing Corporation
Clearing House for Financial Transactions

Undisclosed
Mortgage

Leasing

Record Title

Treasury
Asset Management

Patent

OPM
Employee Repository

DOE
Cybersecurity

DOD
Cybersecurity

DHS
Protect Borders

STATE
Passports and Visas

DARPA
Secure Messaging in Combat

GSA
Automate Procurement / Supply Chain

HHS
Cognitive Automation of Business Transactions

IDB / World Bank
Procurement

NATO
Logistics, Finance and Procurement

ARMY
Medical Logistics

FEMA
Track Emergency / Aid

FDA
Track Outbreak of Disease / Illness

Undisclosed
Medicare and Medicaid

CDC
Emergency Response / Public Health

HHS
Reimagine Grants

CDC
Medical Records

HHS
Electronic Medical Records

Digital Currency / Banking

Real Estate / Mortgage

Asset Management

Security / Identity

Procurement / Supply Chain

Healthcare / Public Health / Safety

4

BLOCKCHAIN

Blockchain is an incorruptible, networked database for recording assets and transactions in the value chain and enables the cognitive automation of the value chain:
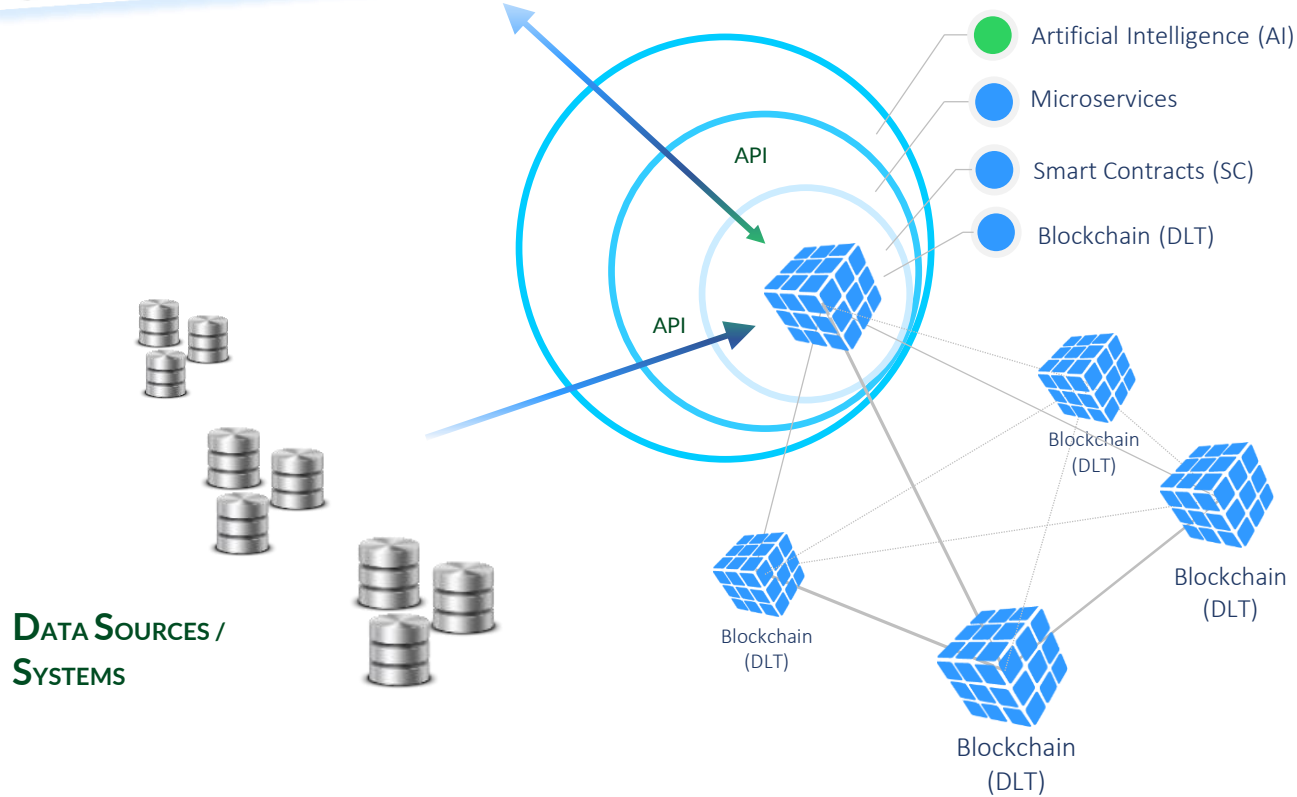
- Enables trust
- Cuts the cost of verification
- Reduces cost of networking
- Optimizes business transactions

Source: Federal Times

DASHBOARD

BLOCKCHAIN DATA LAKE

is inherently fault tolerant and scalable

- Artificial Intelligence (AI)
- Microservices
- Smart Contracts (SC)
- Blockchain (DLT)

API

API

DATA SOURCES / SYSTEMS

Blockchain (DLT)

Blockchain (DLT)

Blockchain (DLT)

Blockchain (DLT)
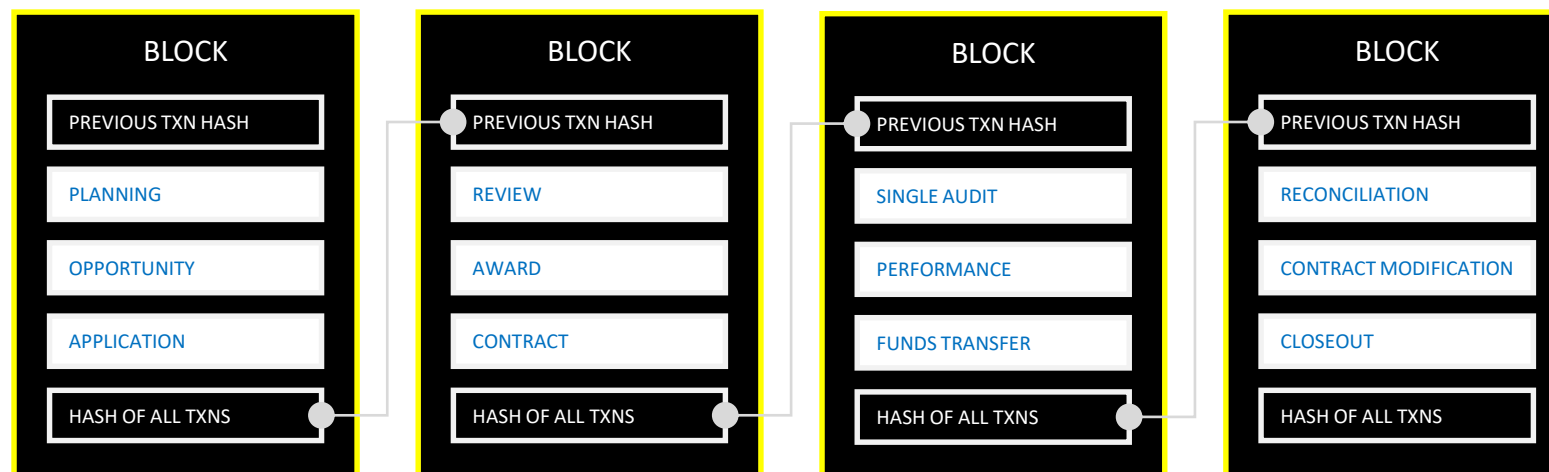
Blockchain (DLT)

United Solutions

BLOCKCHAIN

Blockchain is an incorruptible, networked database for recording assets and transactions in the value chain and enables the cognitive automation of the value chain:

- Enables trust
- Cuts the cost of verification
- Reduces cost of networking
- Optimizes business transactions

BLOCKCHAIN DATA LAKE

FOR GRANTS LIFE CYCLE

BLOCK	BLOCK	BLOCK	BLOCK
PREVIOUS TXN HASH	PREVIOUS TXN HASH	PREVIOUS TXN HASH	PREVIOUS TXN HASH
PLANNING	REVIEW	SINGLE AUDIT	RECONCILIATION
OPPORTUNITY	AWARD	PERFORMANCE	CONTRACT MODIFICATION
APPLICATION	CONTRACT	FUNDS TRANSFER	CLOSEOUT
HASH OF ALL TXNS	HASH OF ALL TXNS	HASH OF ALL TXNS	HASH OF ALL TXNS

Transactions are encrypted, properly ordered, and stored in blocks that are linked together using a hash of the transactions in the prior block. Personally Identifiable Information (PII) and documents are stored "off-chain".