CH\INY\RD

We turn blockchain into business results.

A GLOBAL IT SERVICES COMPANY

Transforming enterprise asset management

with blockchain technology

CONTEXT

ABOUT THE CLIENT

A leading American multinational information technology company headquartered in New York.

- Operates in 170+ countries across the globe
- Produces & sells hardware, software, and provides cloud hosting and consulting services
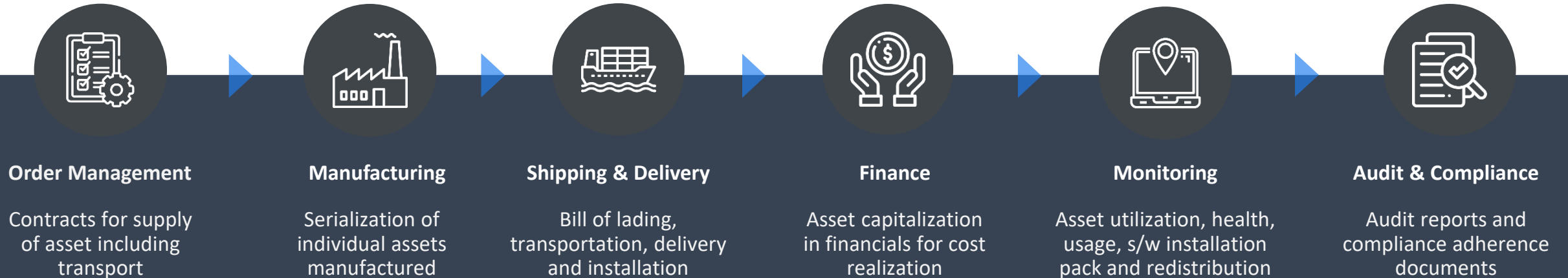
17% INCREASE

IN RETURN ON ASSETS
where asset management systems are fully integrated. Blockchain solutions can further improve the returns significantly.

https://www.sap.com/india/products/digital-supply-chain/asset-management-eam.html

ASSET MANAGEMENT - SYSTEM OF RECORDS

Order Management	Manufacturing	Shipping & Delivery	Finance	Monitoring	Audit & Compliance
Contracts for supply of asset including transport	Serialization of individual assets manufactured	Bill of lading, transportation, delivery and installation	Asset capitalization in financials for cost realization	Asset utilization, health, usage, s/w installation pack and redistribution	Audit reports and compliance adherence documents

CHALLENGES

Siloed System
The supply-chain systems used by partners are siloed, and getting all partners to agree on the actual state of the asset is difficult

Complex Tracking
As the assets move from manufacturing to deployment and eventually disposal, tracking the movement of these items is complex across multiple systems

Delayed Resolutions
Resolving issues among partners is costly and creates delays, impacting customer satisfaction due to delayed service and revenue recognition

Usage Monitoring
Identifying non-compliance of assets usage and associated software is cumbersome

SOLUTION HIGHLIGHTS

BLOCKCHAIN LEDGER
Blockchain acts as a single source of truth for an asset, tracking every change, so it is auditable, and transparent.

PERMISSIONED
The participating organizations are known and permissioned onto the blockchain network.

DATA PRIVACY
Authorized network members only see the details of their transactions which provides confidentiality and privacy.

SMART CONTRACTS
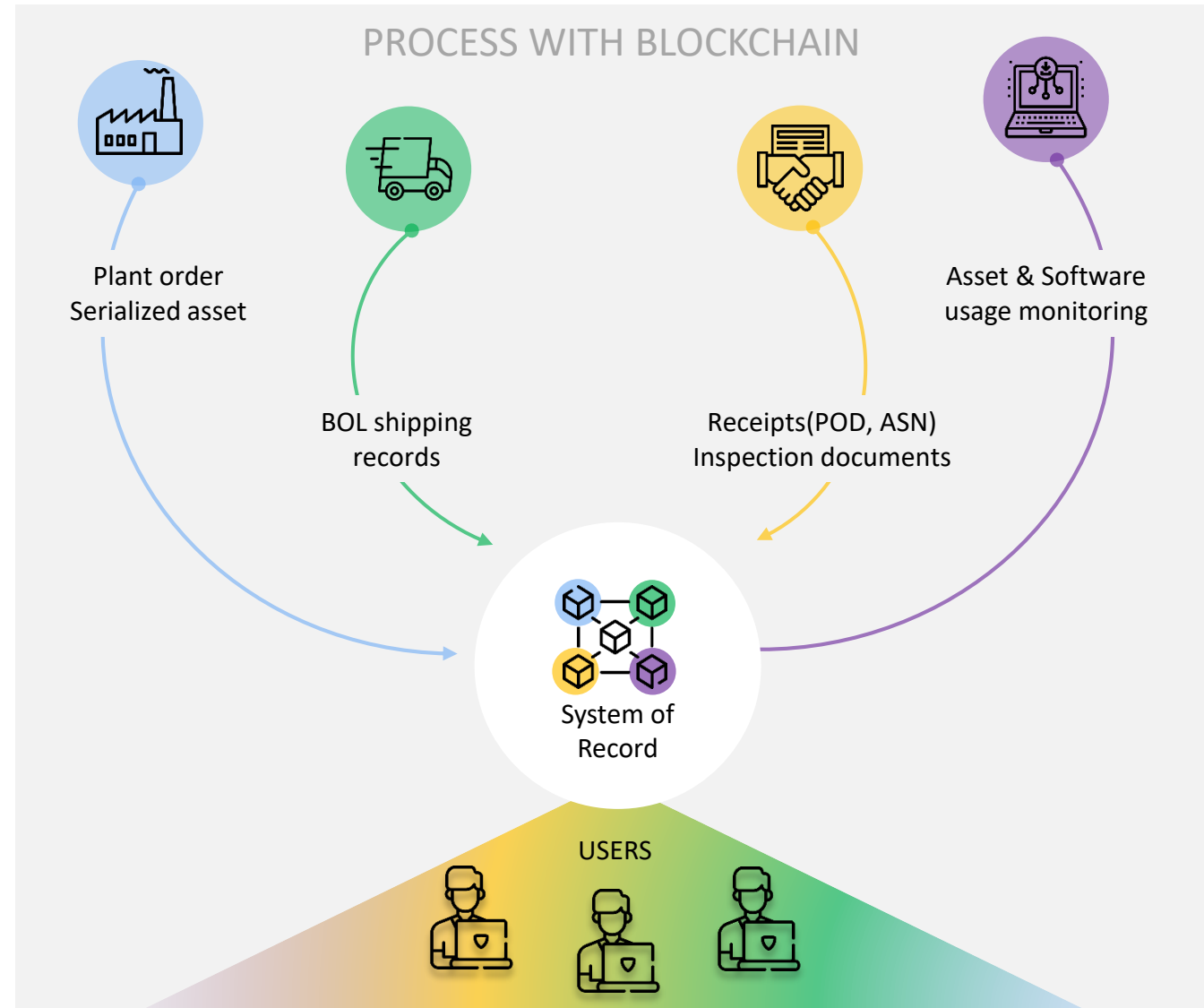Business rules governing the asset specifications and agreements are maintained on the blockchain.

PROOF-OF-EXISTENCE
Proof received for transactions and events of the asset are digitally hashed and recorded.
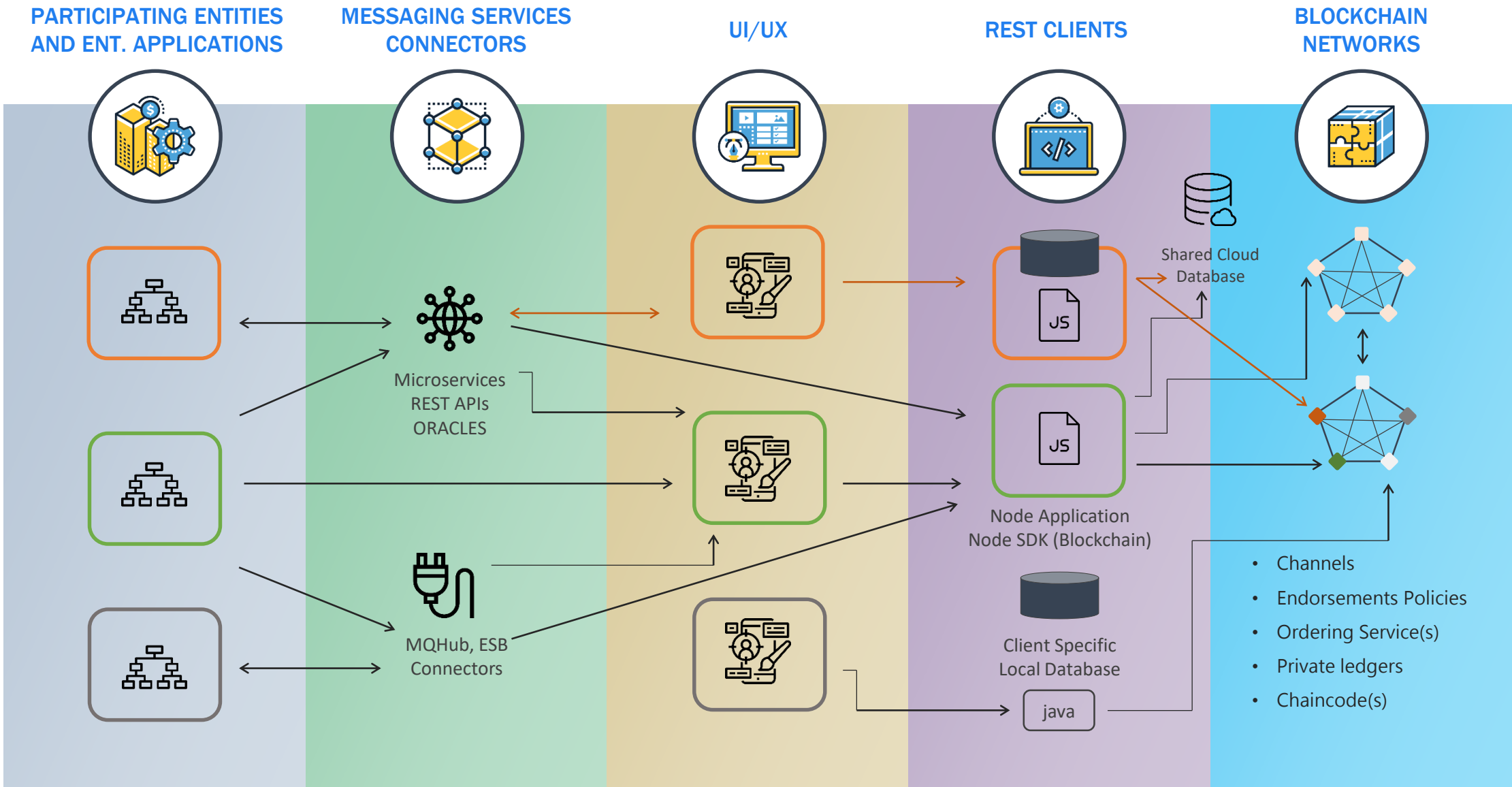
EVENT DRIVEN
The blockchain subscribes to external transactions and events via a client interface.

PROCESS WITH BLOCKCHAIN

Plant order
Serialized asset

BOL shipping
records

Receipts(POD, ASN)
Inspection documents

Asset & Software
usage monitoring

System of
Record

USERS

SOLUTION ARCHITECTURE

OUTCOMES

REDUCED
IRREGULARITIES
in asset lifecycle events
with proofs of transactions

ELIMINATED
REDUNDANCIES
with automated proactive checks
integrating all partners

IMPROVED
ASSET UTILIZATION
with real-time and accurate
monitoring of asset & software usage

CHAINYARD

THANK YOU

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