



SAP Leonardo Blockchain Webinar

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PUBLIC

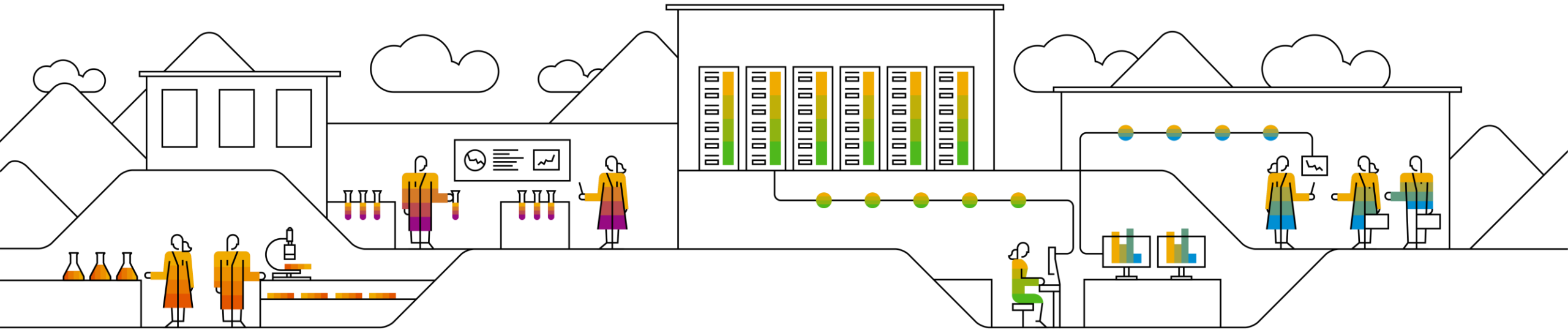
Agenda

**What is
Blockchain?**

**What is SAP doing
in the Blockchain
space?**

**How can SAP help
me to benefit from
Blockchain
technology?**

Blockchain Fundamentals



Blockchain – Just another hype?

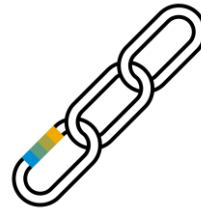
Blockchain ≠ Bitcoin

What Is Blockchain?



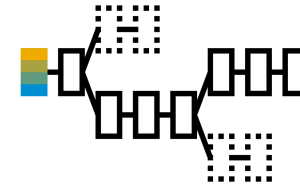
Bitcoin

Cryptocurrency encryption techniques are used to verify the transfer of funds; operating independently of a (central) bank.



Blockchain

Architectural concept that enables the decentralized, secure, direct, digital transfer of values and assets.



Distributed Ledger Technology

Distributed ledger consensus of replicated, shared digital data spread across multiple sites, countries, or institutions. No central administrator or centralized data storage.

What Is Blockchain?

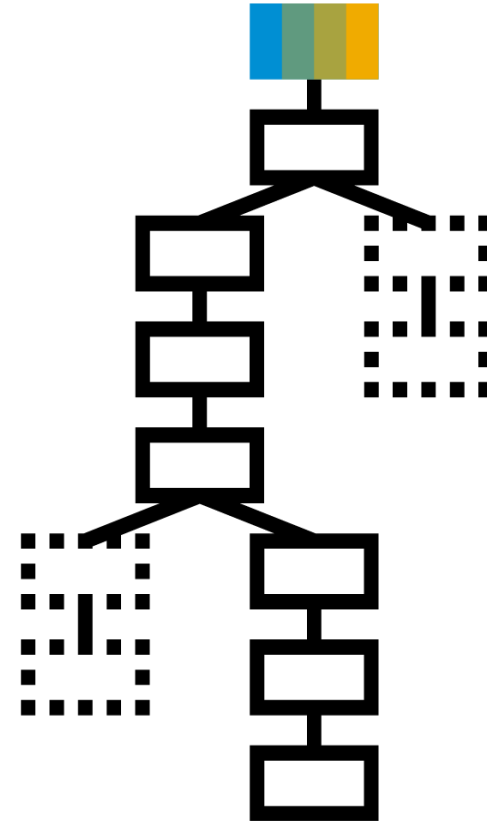
Composition of Existing Technologies

- Decentralized peer-to-peer technology
- Private / Public key cryptography + hashing algorithms
- Consensus algorithm

Information Storage

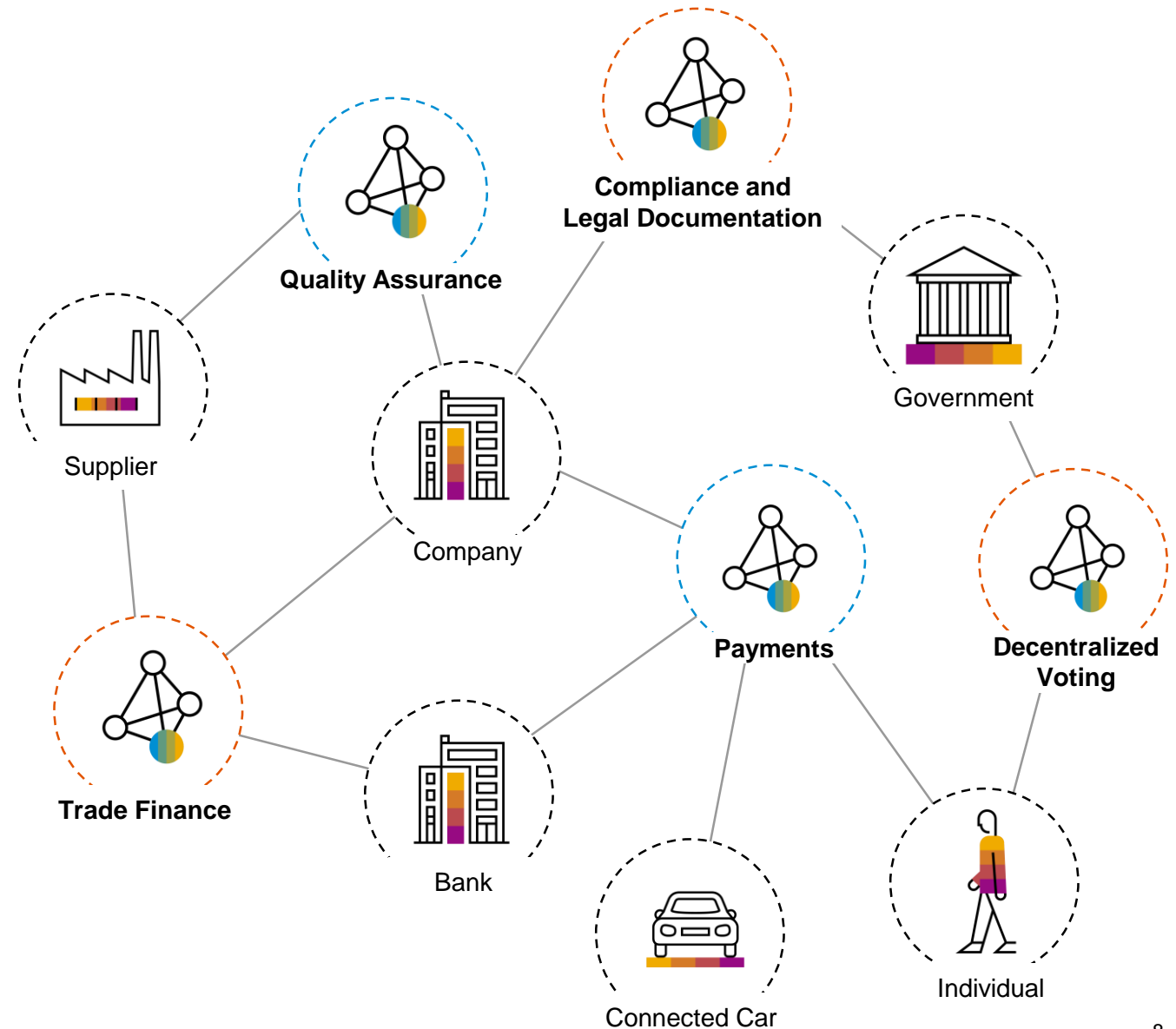
- Distributed
- Transparent
- Immutable

Cryptographically Linked Blocks



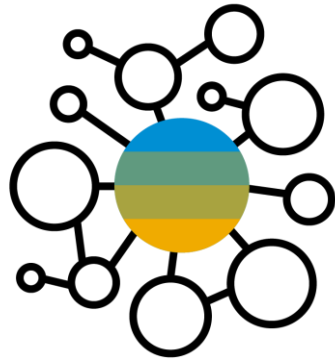
Blockchain Can Transform Transactional Networks

Blockchain is a new protocol for **distributed ledgers** in multi-party business processes.



Blockchain Deployment Options

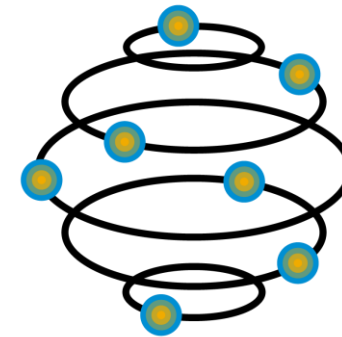
Public



Permissionless Blockchain

Open for everyone to participate and read/write.

Consortium



Permissioned Blockchain

Access and permissions controlled by pre-selected set of nodes



Value Drivers of Blockchain



Multi-Party
Collaboration



Information
Imbalance



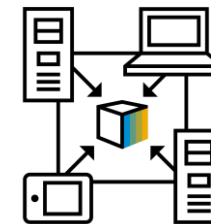
Process
Optimization



Transparency &
Auditability



Security



Digital Assets

The Potential of Blockchain



Trusted Ecosystem

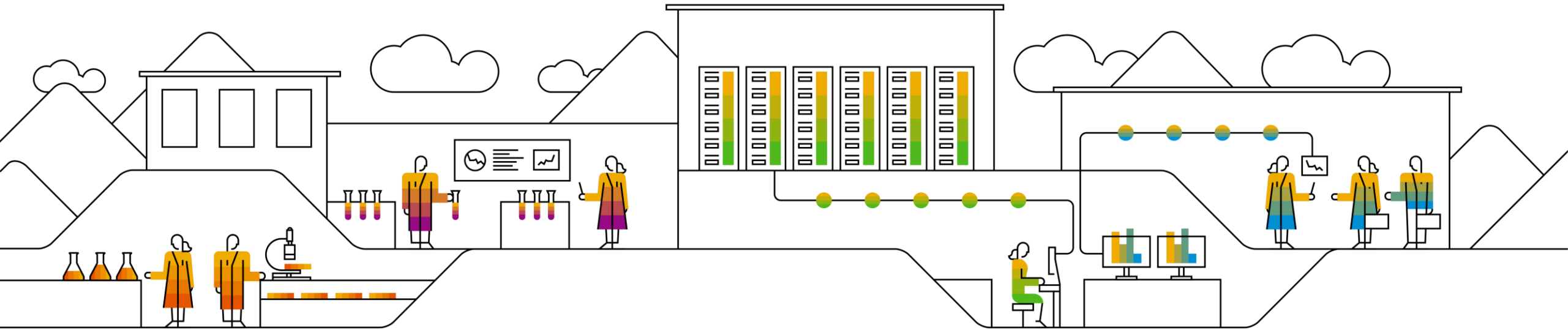


Shared Data



**Network-based
Innovation**

Blockchain in SAP Context

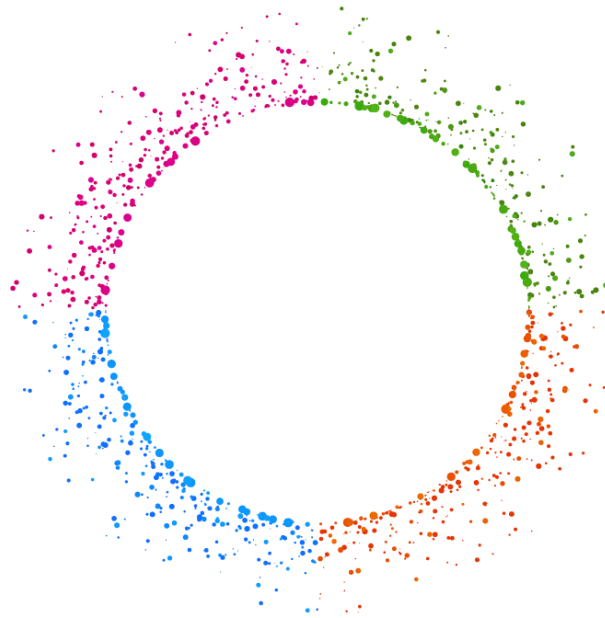


SAP Innovation Vision

**Self-running
Enterprise Systems**

Machine Intelligence

**Self-organizing
Business Ecosystems**



**New Markets &
Business Models**

Human Ingenuity

Augmented Me

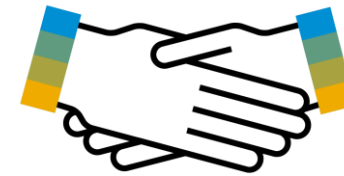
SAP's Point of View: Blockchain Is....



Technology



**Business
processes**



**New networked-based
business models**

A Value-generating Blockchain Solution Is Made up of Three Components



Technology



**Business
processes**



Network

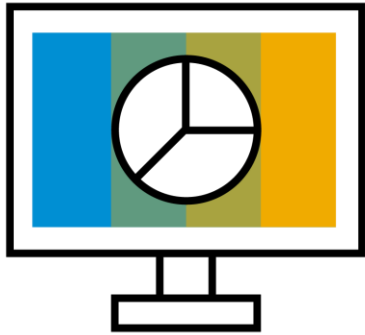
Focus on the needs and processes of the enterprise

Focus on the network of participants

Differentiating factor

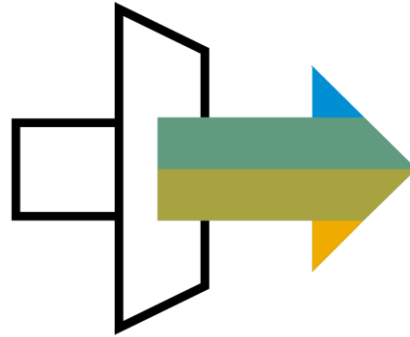
- **Blockchain requires participants to think beyond organizational boundaries**

Blockchain Time Horizons



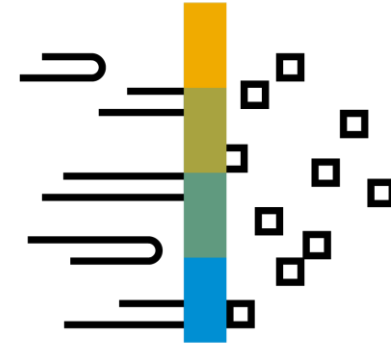
Optimize

Enhance the core with emerging technology



Reimagine

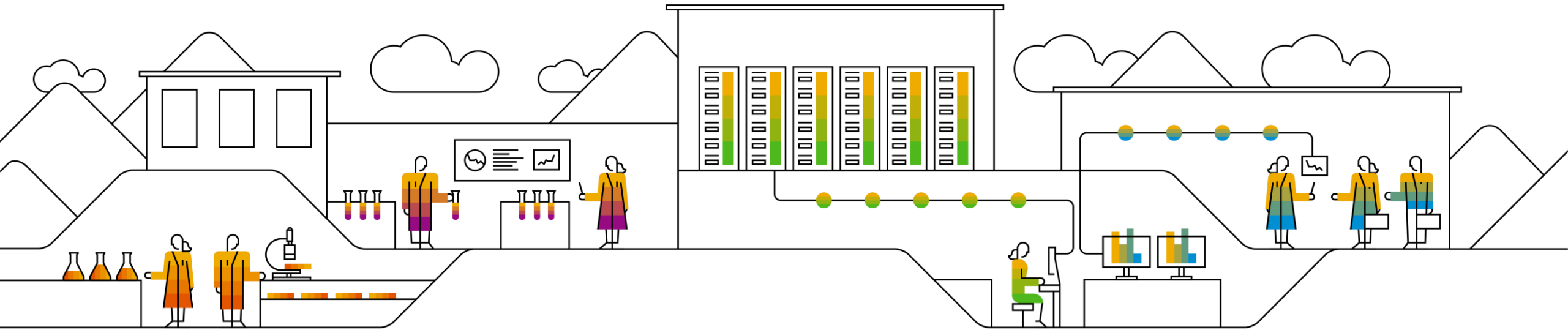
Disrupt and create new business **processes**



Revolutionize

Disrupt and create entire businesses and **markets**

Blockchain Use Cases



How to Identify Blockchain Use Cases?

The need to share data



Does the target process require multiple participants to share data?

Multiple writers



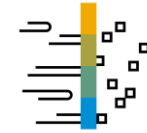
Does the target process require multiple participants to write/create data?

Absence of trust



Would participants make critical business decisions based on data provided by the other network members?

Transaction based interaction



Can the information be organized in transactions?

Disintermediation creates value



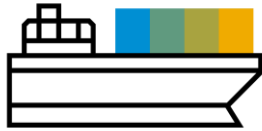
Do network participants leverage blockchain's capabilities to create a network-based business model?

Blockchain Use Cases Covered by SAP

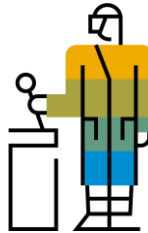
Across Different Lines of Business and Industries



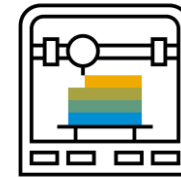
Secured Authorization
Procedures in Public
Sector



Ocean Liner Shipping
(e-Bill of Lading)



Asset Management
(Digital Twin)



End of Lease in Real
Estate



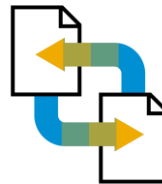
Trusted Digital
Credentials



Secure Bidding in
Procurement



Guarantee Network



Bonded Loans

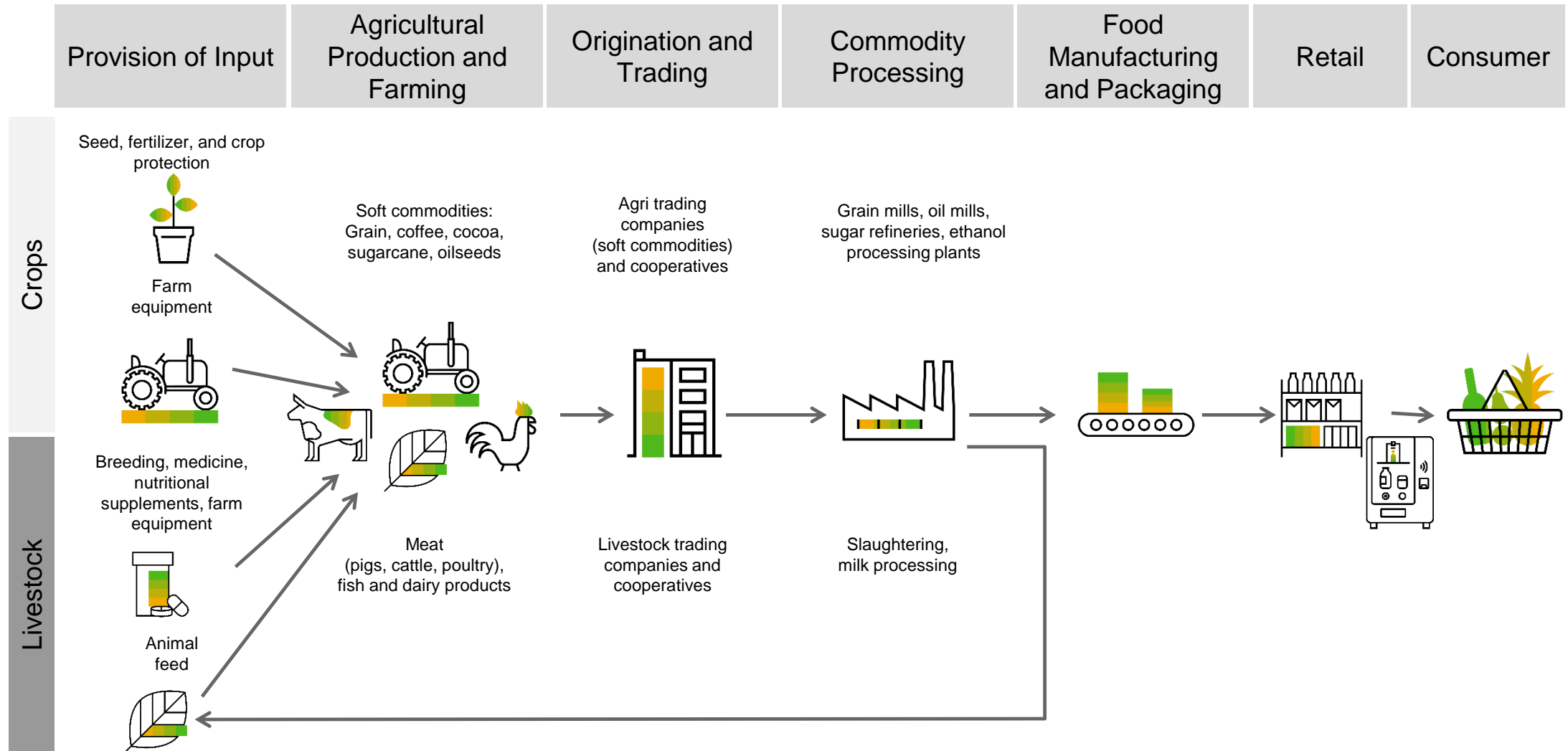


Drug Supply Chain
Security



Disaster Operations

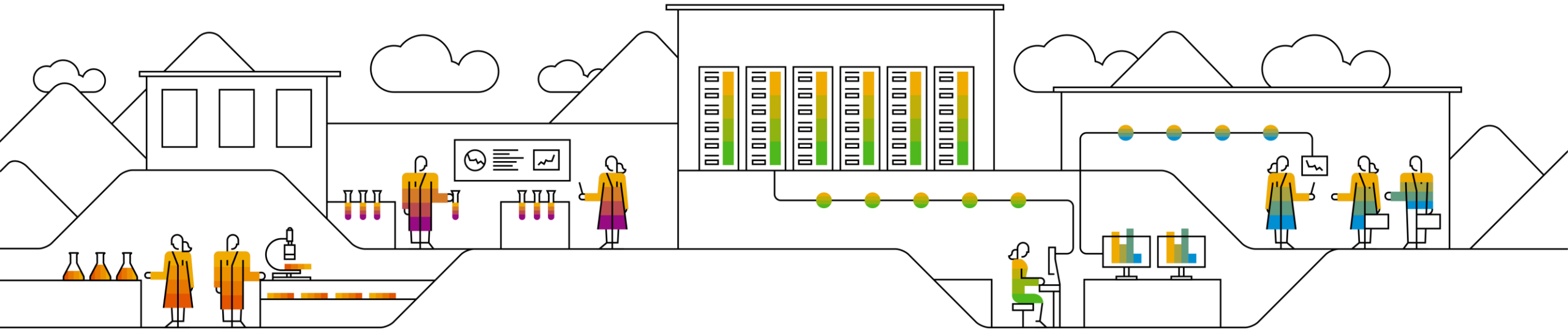
Complexity of the Farm to Consumer Agribusiness Value Chain



Farm to Consumer Co-Innovation Partner



SAP Leonardo **Blockchain** Offering



SAP and the Blockchain Eco-System

Premium Member



HYPERLEDGER



Founding Member
and Vice-Chair



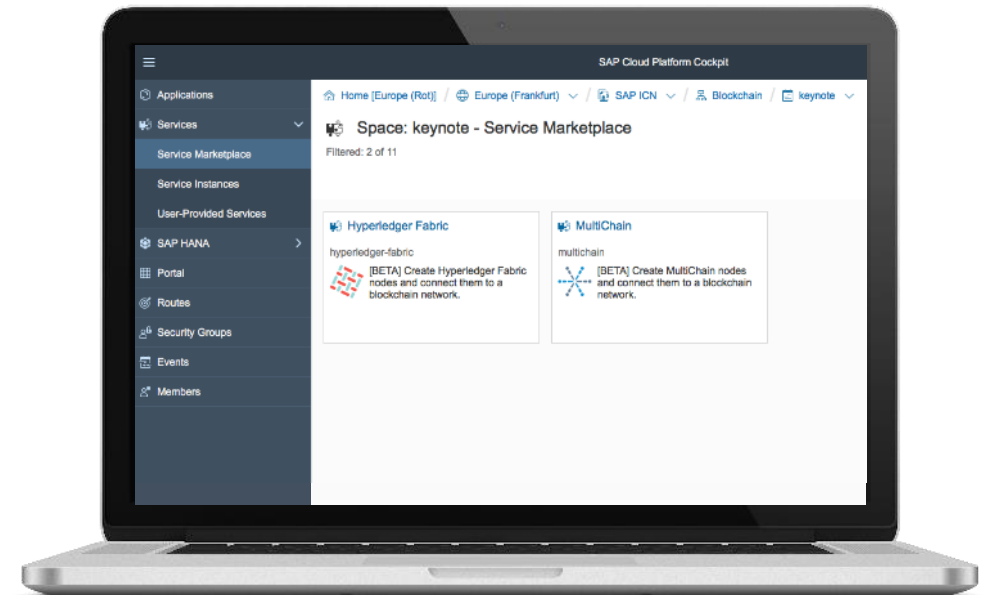
可信区块链联盟
TRUSTED BLOCKCHAIN ALLIANCE

Member



General Availability of SAP Cloud Platform Blockchain

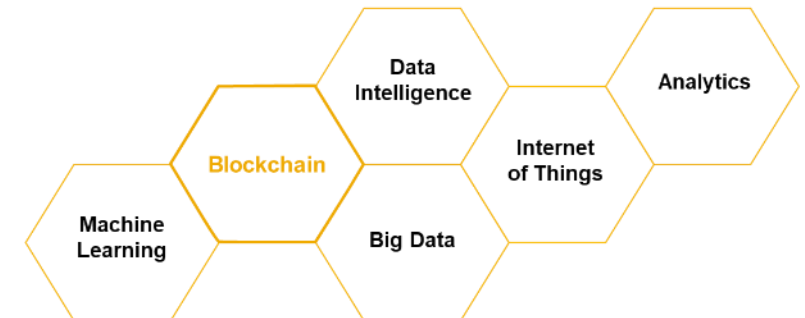
- Hyperledger Fabric on SAP Cloud Platform
- MultiChain on SAP Cloud Platform
- Blockchain Application Enablement
- SAP HANA Blockchain service (Beta)



**SAP Leonardo
Technologies**

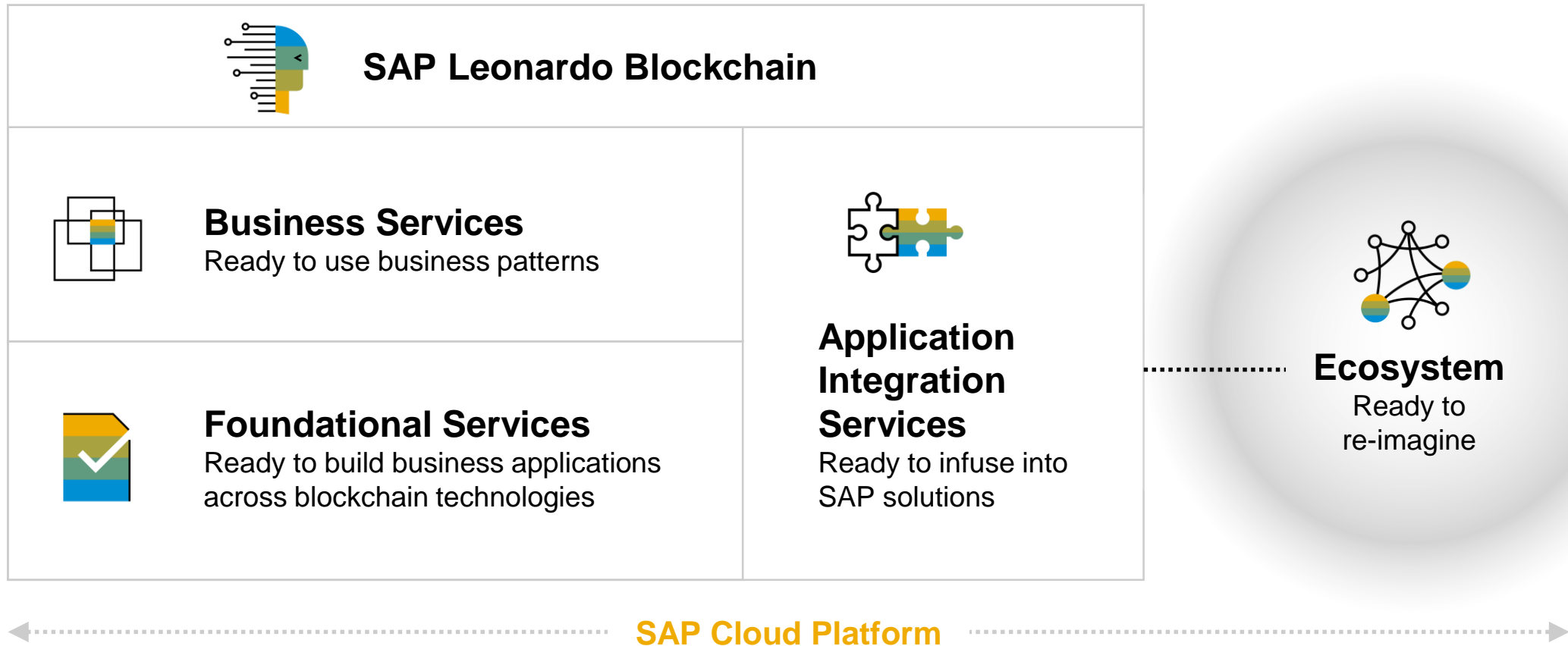


**SAP Cloud Platform
Blockchain**

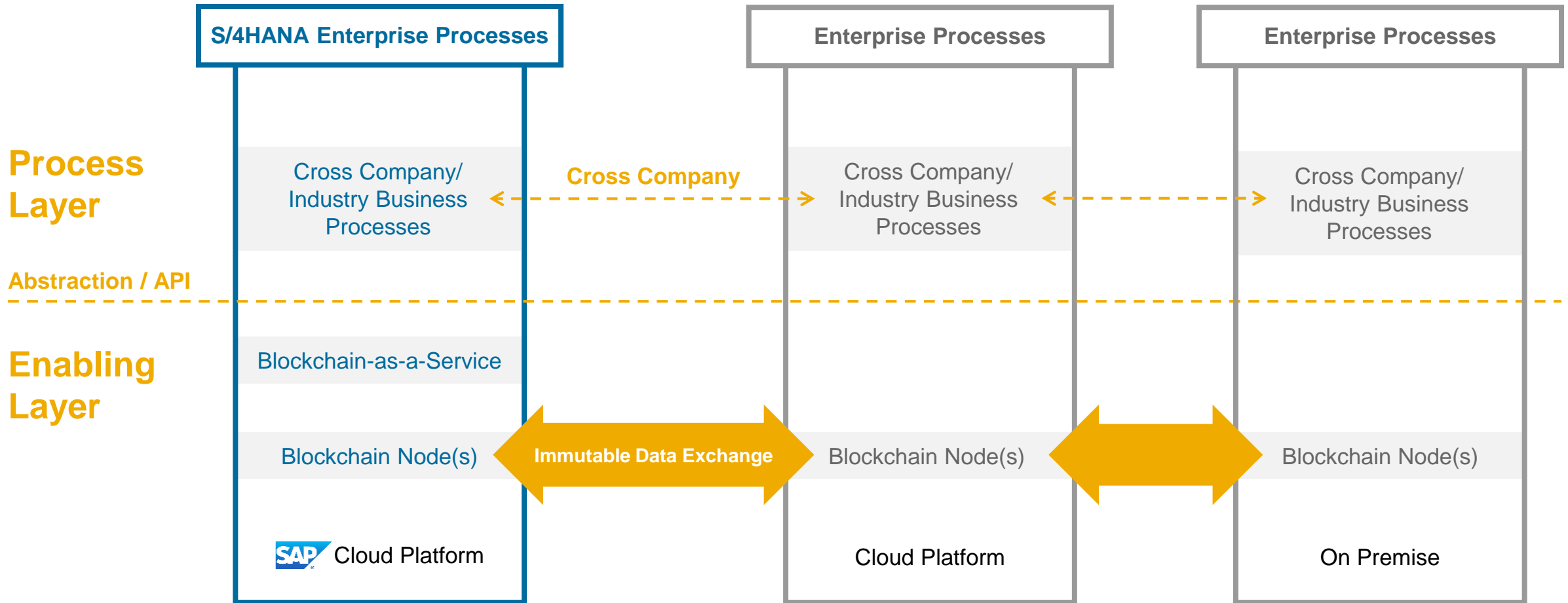


Future Direction: SAP Leonardo Blockchain

Enabling customers and partners to leverage Blockchain capabilities



Blockchain in Enterprise Processes



SAP Leonardo Services: Supporting You Along Your Innovation Journey

We believe that success to re-imagine and deliver the future lies in bringing together:

Business and technology perspectives

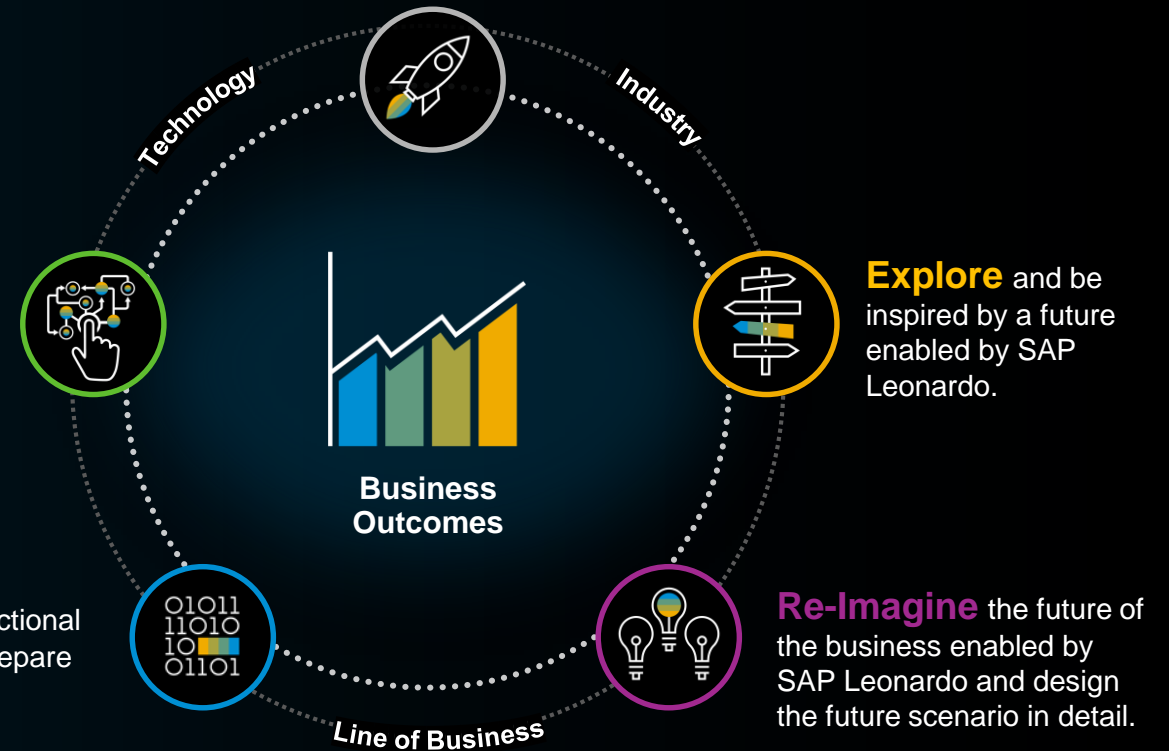


established and emerging technologies

Validate business and technical solution with a pilot in the live environment and prepare for deployment at scale .

Create a functional solution and prepare for go-live.

Scale across the business and geographies to **and Transform** the business and the technology



Wrap-up

**What is
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**What is SAP doing
in the Blockchain
space?**

**How can SAP help
me to benefit from
Blockchain
technology?**

Thank you.

Let's get in touch!

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