Blockchain: Platform for Industry 4.0

While the application of distributed ledger technology — commonly known as blockchain — has primarily been limited to financial applications, adoption in the retail and logistics sector is on the rise. Retail and logistics companies are leveraging blockchain to establish trust between transactions and track the origin of products and commodities in real time. The speed and security of carrying out transactions on blockchain networks has nearly rendered third-party validation obsolete. Its capabilities help companies to optimize logistics costs, boost sales, increase customer trust and prevent counterfeit goods.

Offerings

Transparency, immutability and shared economy are the three key drivers of blockchain technology, making adoption a business decision rather than a technology decision. At Atos Syntel, we follow a phased approach for blockchain adoption and implementation.

Value Discovery	Identify relevant stakeholders to conduct tech and business awareness workshops. A business case is prepared for a high priority use case from the list of potential use cases.
Proof of Concept	Identify critical product features, followed by discovery and evaluation of blockchain protocols for the identified use case. Develop an application roadmap to build a minimum viable product proof of concept.
Production Pilot	Analyze enterprise systems impact, pilot application development, and implement pilot features into production. Integrate with impacted enterprise systems.
Production System	Transcend the pilot success to production and integrate with external systems.

WHY US?

- **Domain Use Cases:** Leverage pre-built domain use cases to quickly validate blockchain opportunities
- **Early Adopters:** Atos Syntel is an early blockchain adopter, and has developed strong capabilities as part of its Digital One offerings
- **Blockchain Lab for Customers:** Global cloud-based customer sandbox for hands-on use case development
- **Domain Expertise:** Retail and Logistics domain SMEs with deep experience

Our Experience

Blockchain-based track and trace solution for a logistics major

Client Situation	Solution	Business Benefits
• Redundant contract execution at multiple levels between retailer, logistics provider, distribution and "last mile" delivery partners • Lack of real-time shipment tracking • Significant cost and effort required to set up control measures, and for reconciliation between retailers and logistics partners	• Blockchain-based smart contracts between retailers and logistics/distribution partners • Shipment transactions stored on encrypted distributed ledgers • Smart contract-based rule execution	• Reduces cost of reconciliation • Creates implicit trust between participants, reducing the cost of control measures • Single source of truth for real-time tracking • Significantly reduces time to onboard new partners

To learn more about our blockchain services, visit **www.atos-syntel.net**