



# Potential impact of Blockchain on key industries

The bigger and more immediate impact of Blockchain won't be seen in the financial services industry, but in other industries that are less regulated like energy, supply chain management, and the insurance sector where Blockchain technology can provide - among other things - trust, transparency and automation.



## Energy Sector

Authentication/ trading of energy certificates (emissions, renewables, recovery) on a Blockchain



Transparency

Origination on blockchain guarantees the uniqueness and traceability of certificates



Accessibility

Accessibility to all players in the energy sector: the State, the public, producers, consumers, etc.



Automation

Authorities usually lack the time to control filed actions



## Supply Chain Management

The tracking of goods from source to point of sale

### Quality Assurance, Check of Origin

Identification and registration of goods; visibility into transaction flows, including location of physical goods



Authenticity

Provenance and tracking of goods to confirm authenticity and prevent fraud



Guarantee

Assurance that collateral has not been pledged multiple times



Record-keeping

Information is updated after each transaction – verification of "possession history"



Trust

Digitising and simplifying global trade to create transparency

### Invoicing

Verification and reconciliation of trade documents



Transparency

Information availability on current status on invoices and financing request



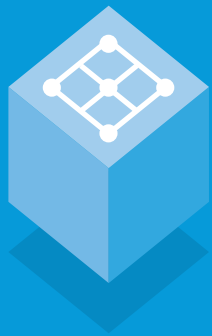
Consolidation

Detailed view on transaction history in the supply chain network



Automation

Simplified financing process for all stages of trade life-cycle



## Insurance

Automated underwriting, claims handling and fraud detection

### Smart Contracts

Enhanced transparency and security of insurance contracts by improving information exchange



Automation

Automatic contract execution in a fully trusted environment instead of manual claims processing



Consistency

Data stored on blockchain can enhance the risk selection process by combining location, external risk and analytics



Accuracy

Secure validation and enforcement of claims; proof of insurance; "micro-insurance"



Visibility

Decreased complexity in case of reinsurance; appropriate rebalancing of capital exposure



Data Source

Usage-based insurance with P2P device communication; precise pricing and risk calculation enabled by IoT



Facilitators

Strong dependence on 'facilitators' to verify occurrence of real-world events to trigger smart contract execution