

TECHNOLOGY

DISTRIBUTED LEDGER

Blockchain Beyond Bitcoin: Practical Use Today

Whilst cryptocurrencies grabbed the headlines, the underlying technology has quietly been reshaping industries from logistics to governance. This is a look at how blockchain is delivering real-world value right now.



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The Foundation

The Trust Revolution

Blockchain is fundamentally more than a vehicle for digital currency. It is a **shared, immutable ledger** designed to record transactions of both value and information across networks that may not otherwise trust one another. By establishing a single, verifiable source of truth, it eliminates the costly friction of manual reconciliation in **\$14 trillion** of global trade, replacing paper-heavy, siloed processes with real-time, transparent data that all parties can rely upon.

\$14T

Global Trade

Value stream affected by manual reconciliation friction

100%

Transparency

Real-time data replacing siloed, paper-heavy processes



From Obscurity to Transparency

Supply chains have historically operated as black boxes, with limited visibility beyond immediate partners. Blockchain introduces unprecedented transparency at every stage of the journey.



Real-Time Tracking

Every movement of goods is cryptographically recorded from manufacturing through to end-delivery, creating an unbroken chain of custody.



Food Safety

Rapid identification of contamination sources reduces recall response times from weeks to mere seconds, protecting consumers and brands.



Provenance & Authenticity

Ensuring the authenticity of luxury goods and pharmaceuticals, preventing fraud and protecting both consumers and manufacturers.

Finance & Contracts

Financial services and legal contracts are being fundamentally reimagined through blockchain, replacing slow, intermediary-dependent processes with automated, trustless systems.

Smart Contracts

Self-executing agreements that automate asset transfers, wills, and inheritance payouts without costly intermediaries. Code becomes the arbiter.



Trade Finance

Verification of bills of lading cut from **3 weeks** to near-instant settlement.

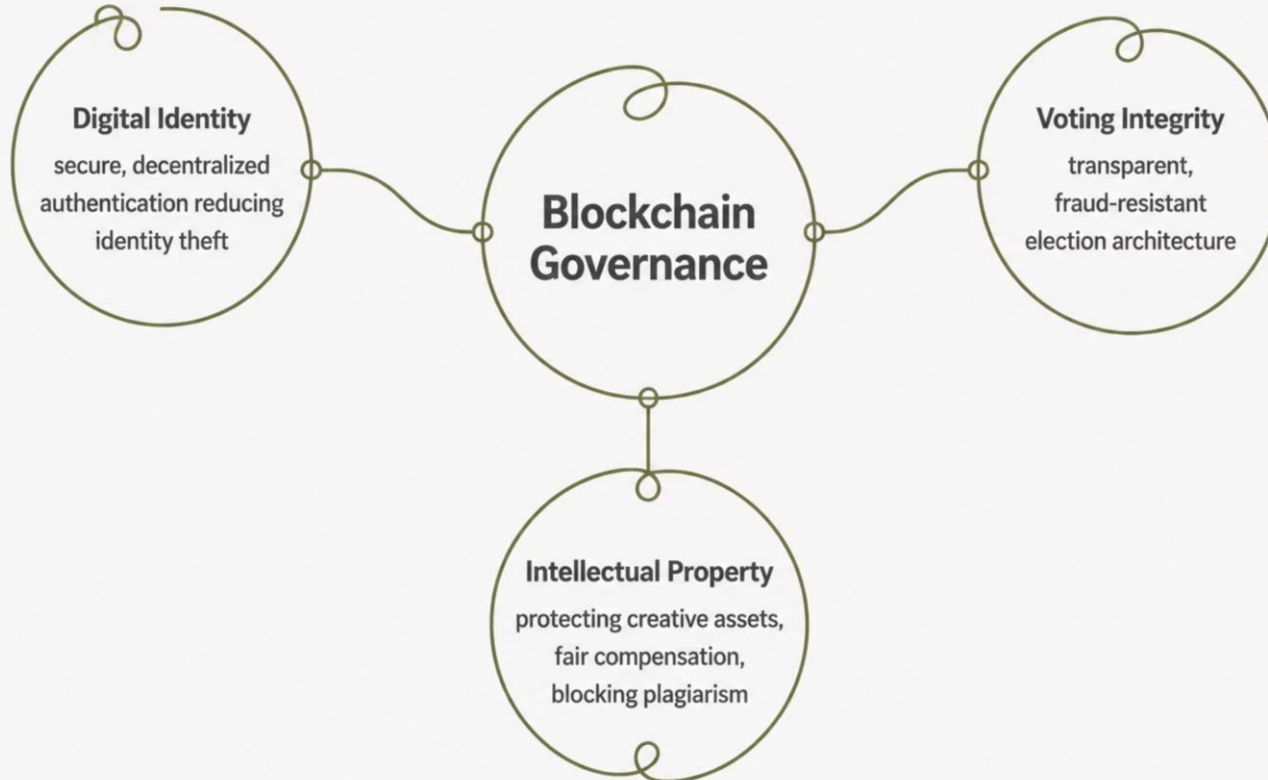


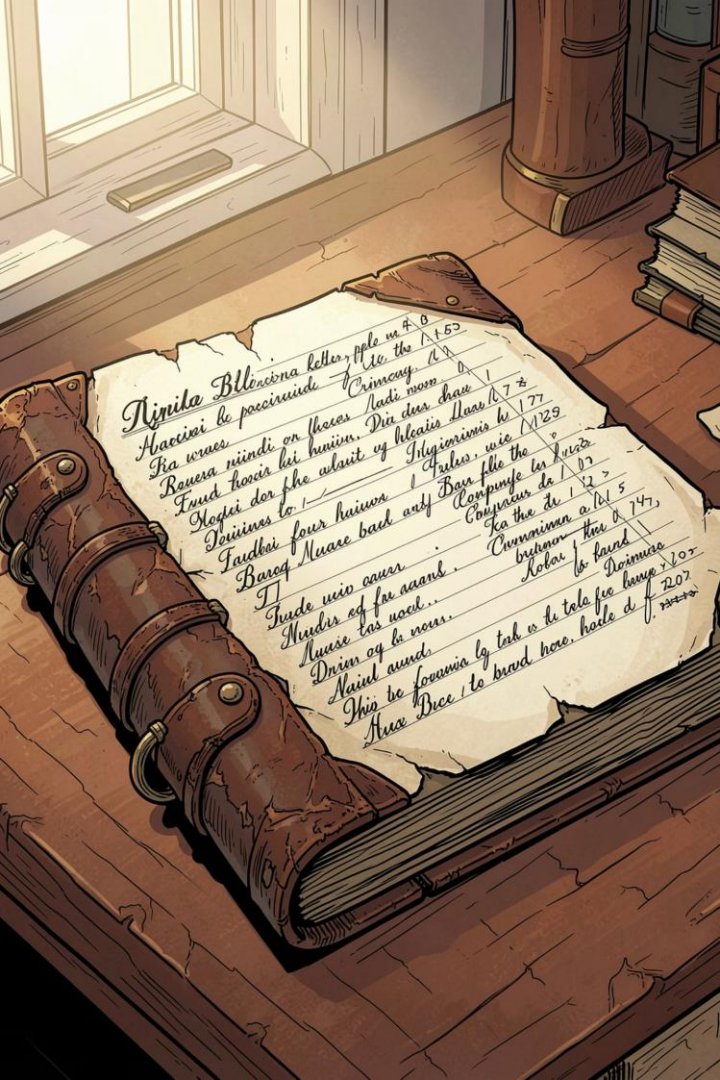
KYC Compliance

Secure, updated identity data shared across institutions, eliminating duplicate onboarding.

Digital Security & Governance

As our lives become increasingly digital, blockchain offers robust frameworks for identity, democratic participation, and the protection of creative work.





THE BUSINESS CASE

The Business Case for Adoption

The question for organisations is no longer whether blockchain works, but where it can deliver the greatest operational impact.

Operational Agility

Removing manual validation saves an estimated **\$37.6B** in global costs across industries.

Enhanced Trust

Immutable record-keeping ensures document origin is known and verifiable at all times.



Call to Action: Evaluate your current manual bottlenecks and identify where distributed trust can drive your next efficiency leap.