

TRANSFORMATIONWORX

Blockchain + AI Crossing the Digital Bridge

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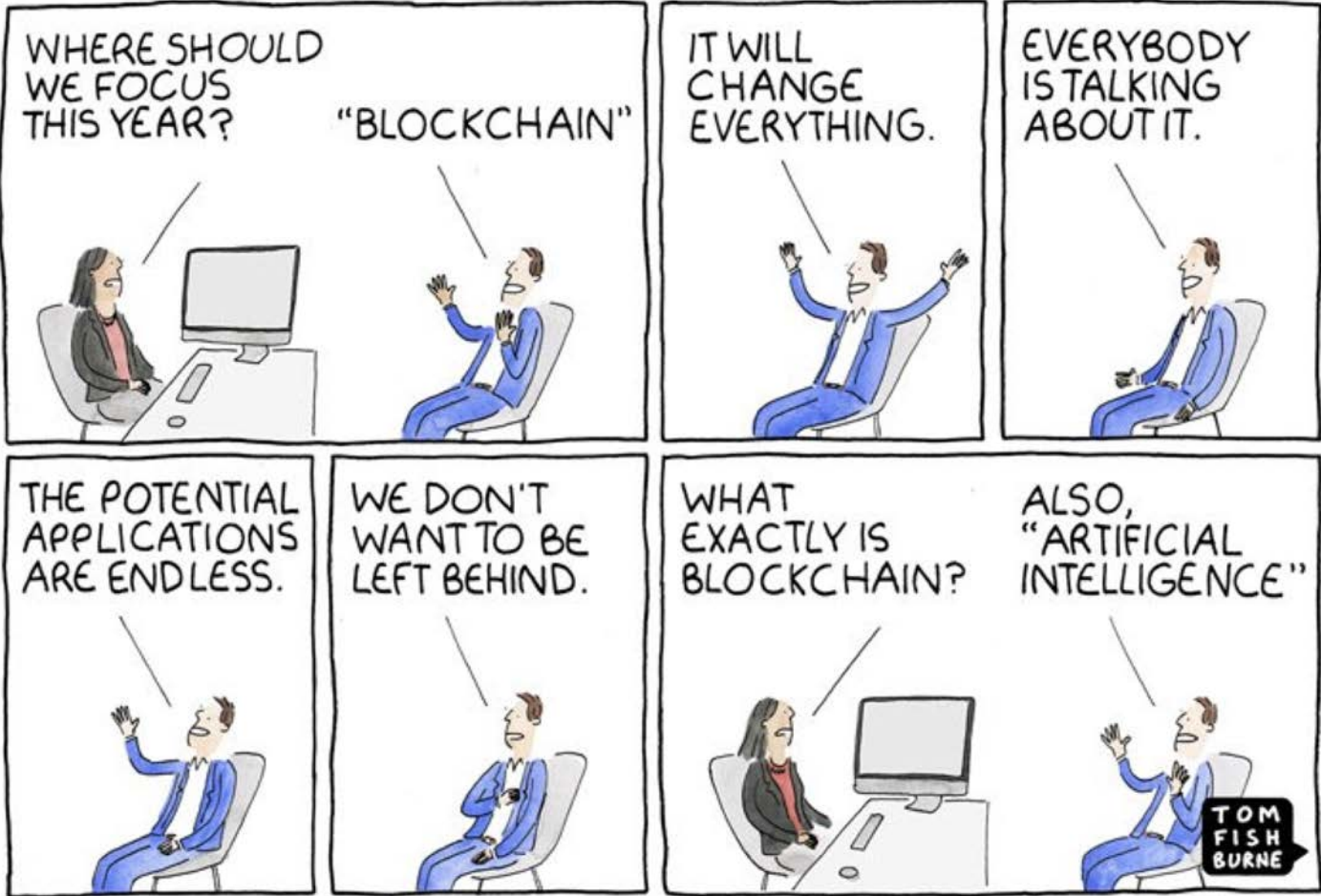
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Blockchain and AI – Crossing the Digital Bridge



Source: Maroonist

Blockchain

Blockchain enables **decentralized verification of information at point of entry**

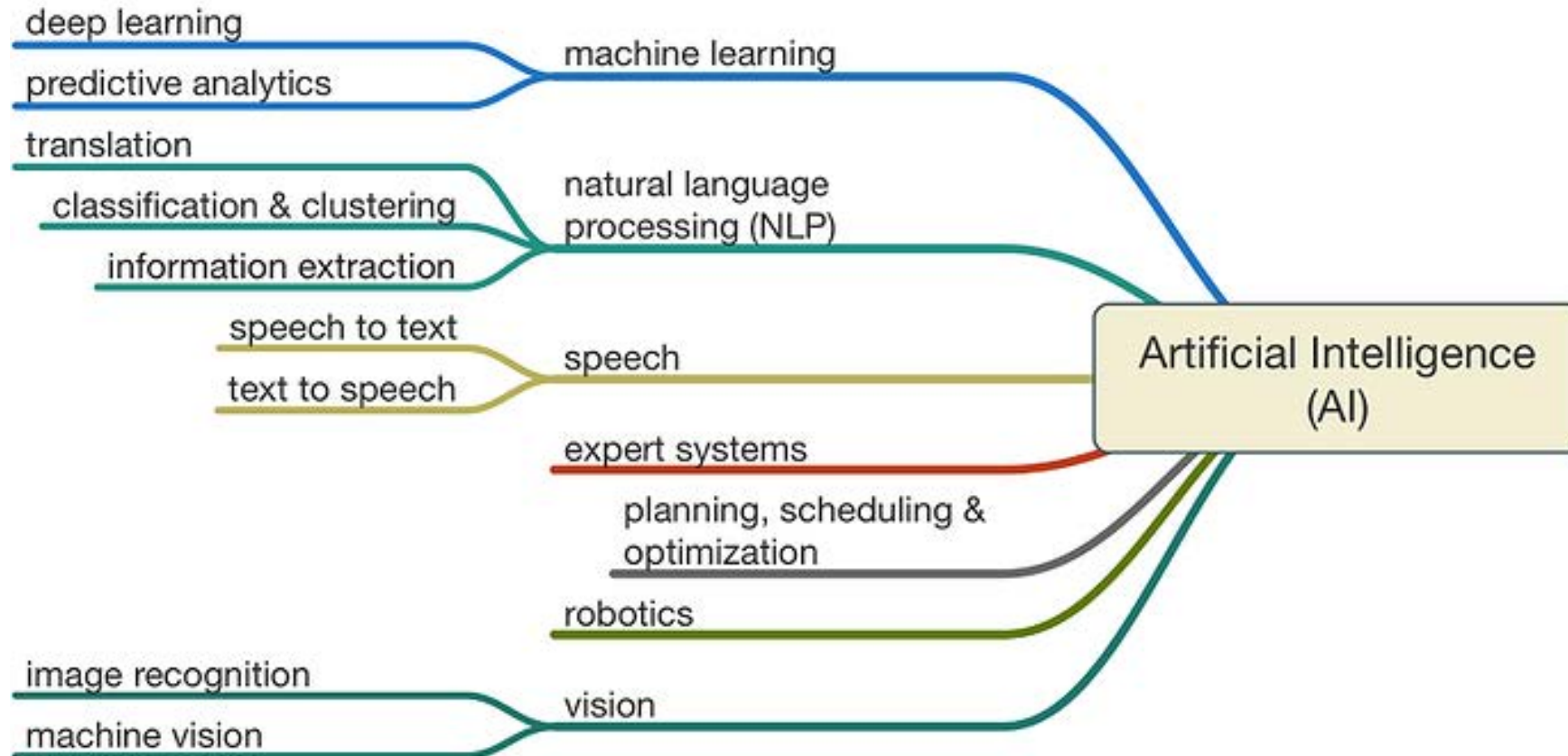
Many independent computers follow a **protocol to independently verify transactions and arrive at consensus** to their acceptance or rejection

Therefore, a **central authority** to permit, verify and validate transactions is **not needed**

Reduce: Fraud | Hacking | Time | Costs | Processes | Intermediaries

Increase: Trust | Transparency | Audit Trail | Immutability

Artificial Intelligence



Source: AI in architecture – What are the practical implications, A. Lucas

Blockchain & AI – Marriage Made in Heaven?

	Blockchain	Artificial Intelligence
Governance	Distributed (No Central Authority)	Centralized (Central Authority)
Data - Ownership & Control	Producer of Data - Individuals	Organizations - Large entities
Complexity of Software Logic	Simple and predictable - uses a small data and a few parameters	AI is designed to be self-learning and adapting – uses massive data and many parameters
Transparency	Highly transparent	Highly opaque
Trust	Trust nothing, establish trust through rigorous consensus (public)	Needs trusted data sets for learning and decision making
Architecture (Business, Data, Network)	Decentralized or Distributed	Centralized
Speed of Operations	Slow - minutes, seconds	Fast - Real-time at fractions of a second
Size of Data	Small amounts on-chain	Massive, data lakes

Towards the Convergence of Blockchain & AI

1.0

Currency

Democratization of money, store of value, medium of transfer and digital payments

Cryptocurrencies such as bitcoin

2.0

Business & Contract Logic

Deployment of Blockchain beyond digital currency.
Programming business logic onto Blockchain – “Smart Contracts.”

Contracts written into software

3.0

Decentralized Apps & Governance

A keystone in the next generation of the “Collaborative Economy.”
Truly decentralized and autonomous apps and governance of organizations.

Software and machines govern

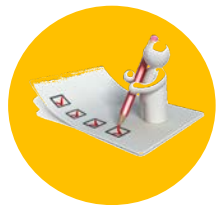
Applications

Value Creation Opportunities



Proof of Identity

- Digital identify and e-residence (like a passport)
- Applications to secure voting, health, title, tax, bill payments, social services, education, etc.
- Increased security & transparency
- Lower costs & reduce fraud



Audit and Due Diligence

- Audit trace of all transactions – i.e., delivery of service, proof-of-records, proof-of-license, proof-of-transaction
- Timely Fraud Detection
- Improved Compliance & Security
- Real-Time Analysis
- Predict Patterns & Future Trends



Proof of Ownership

- Physical asset ownership – i.e. title deeds, land registry, etc.
- Enhanced data security and fraud prevention
- Reduce manual errors and duplication in verification process



Asset / Value Transfer

- Make payments, transfer titles and ownership
- Faster payments
- Increased security
- Lower costs and impact of forex restrictions
- Increased transparency

Applications in Financial Sector

Cross-border Payments

- Ripple, Swift achieving what would take several days in seconds and minutes

Identity Management & Fraud Prevention

- Single source for KYC , AML
- Canada Digital ID (Verified.Me) across FIs, MNOs and government for trusted digital ID
- Fraud detection

Equity Markets and Share Trading

- Nasdaq to issue, transfer & manage private company securities. TSX, CSE sandboxes
- Portfolio management
- Algorithmic trading

Supply Chain and Trade Finance

- Chain of custody, payments and settlements

Customer Care and Loyalty

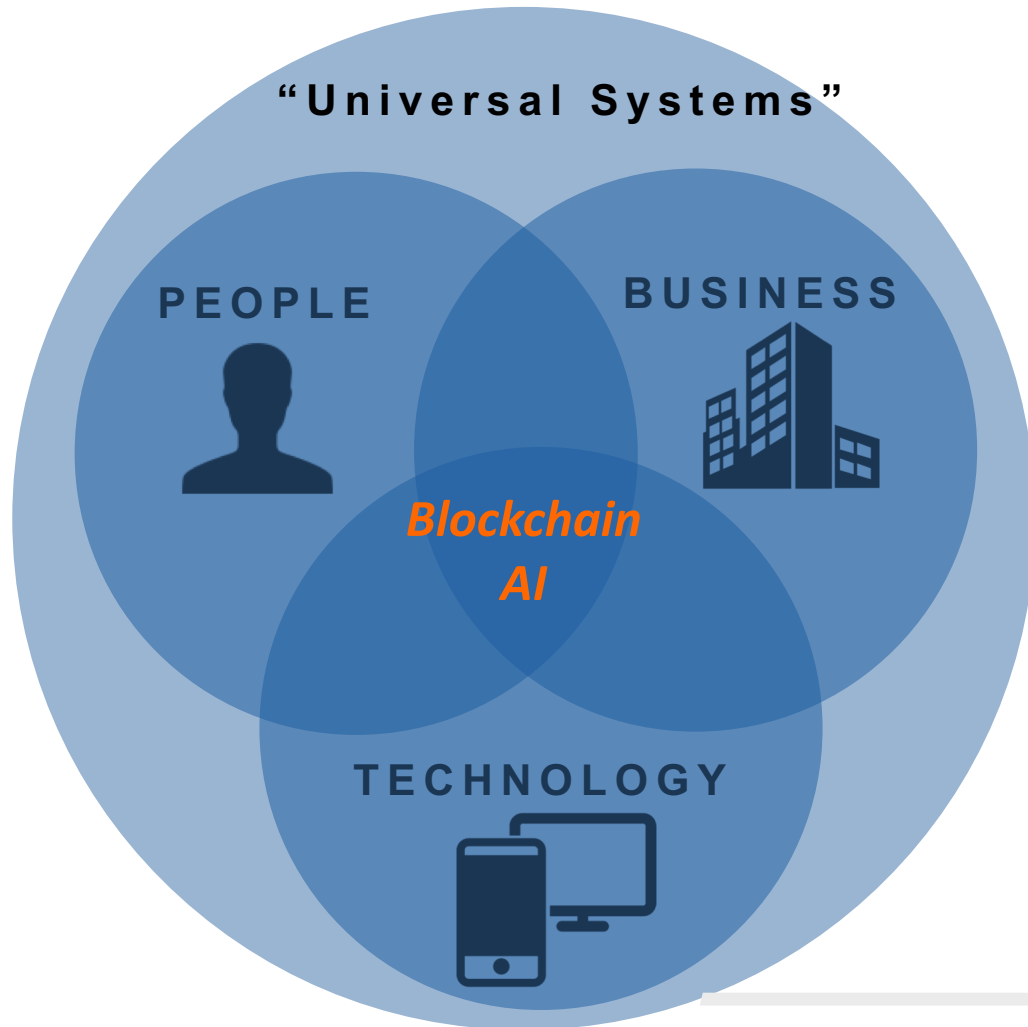


Blockchain & AI - How can you Succeed?

Blockchain and AI are Highly Disruptive

Both Destructive & Creative at
the Same Time!

What makes Something Destructive + Creative?



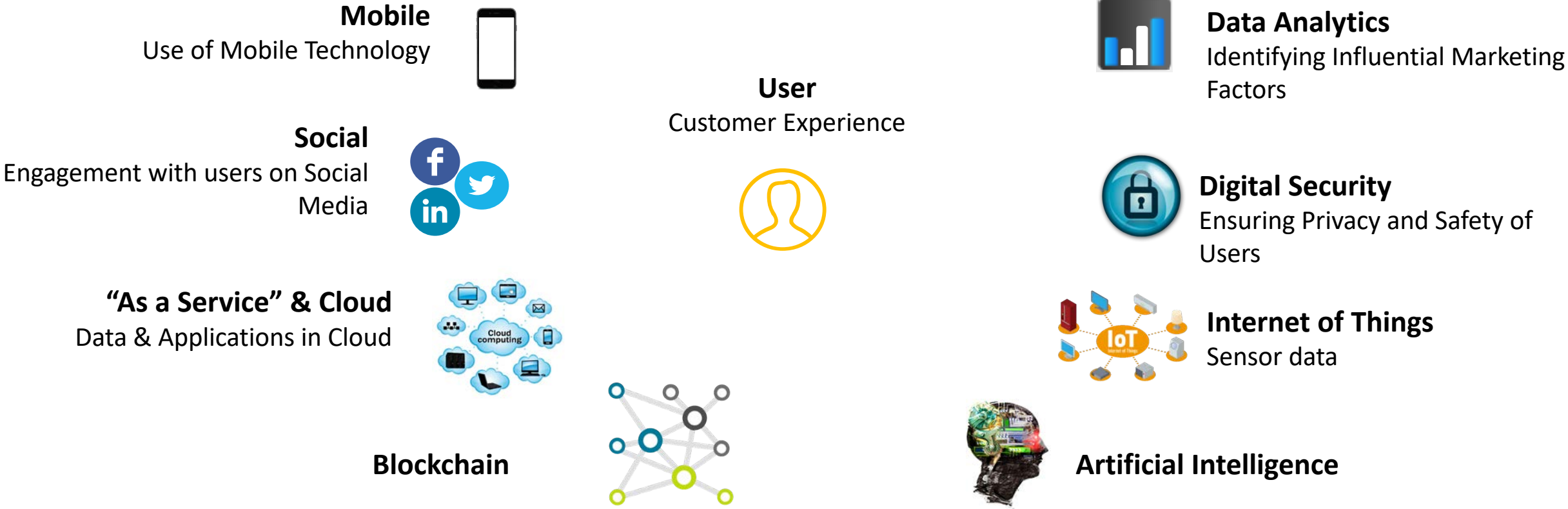
Hyper Disruptive

Can fundamentally challenge "Universal Systems" - norms of business and global practices

How do Successful Organizations Deal with this?

Blockchain & AI – A Part of the Digital Transformation Journey

Understanding a Disruptive Digital Ecosystem



How Will Blockchain & AI Address Your Needs?

Complete Understanding of Business Opportunities

- Gaining full understanding of:
 - Disruption & Digital Transformation
 - Blockchain & Cryptocurrencies
 - Blockchain and AI Technologies
 - Emerging Trends & Business Models
 - Governance Models & Policies
 - Solutions Architecture

Developing a Digital Transformation & Strategy & Plan

- Assessing potential areas to leverage Blockchain & AI
- Developing a cost benefit analysis to replace current technologies
- Building a sustainable timeline to execute on the strategy

Use Case Identification & Implementation

- Ensuring the right Blockchain, AI model has been chosen for the specific project
- Implementing the PoC/MVP, Project
- Developing or hiring key skills for the project
- Tracking the project's time, cost, and quality to completion

Where do you Start the Journey?

- Executive and leadership team experiential sessions and workshops
- Custom-developed for the sector and organization
- Quickly enables a cross-functional team to learn, plan and deliver solutions

> Learn | Plan | Deliver

In Partnership With



A HIGHER LEVEL of
management consulting

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TransformationWorx helps organizations and leaders achieve business and professional goals quickly through rapid development of high-demand expertise and capabilities.

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- > **Consulting & Advisory**
- > **Implementation**

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ThankYou

TransformationWorx – Helping Clients

> Learn | Plan | Deliver

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