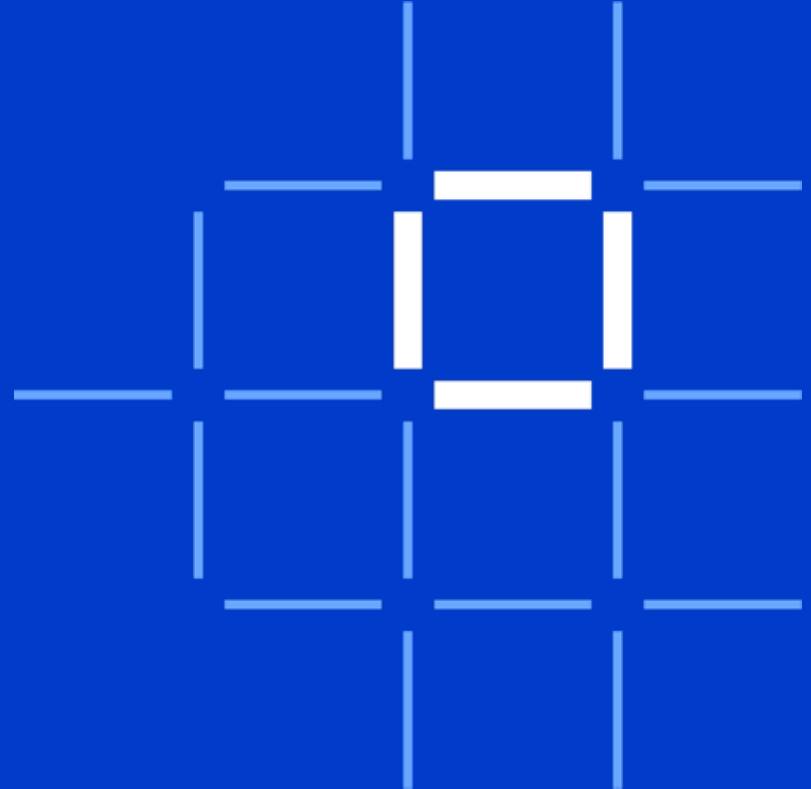


Broader supply chain applications of blockchain

SLF Webinar "Traceability in blockchain"

Jari van der Steen
Senior Consultant Blockchain
June 16, 2021



**How can
you change
everyday life
with Blockchain?**



In 2006, in a nationwide **outbreak of E coli** linked to bagged spinach it took regulators

2 WEEKS

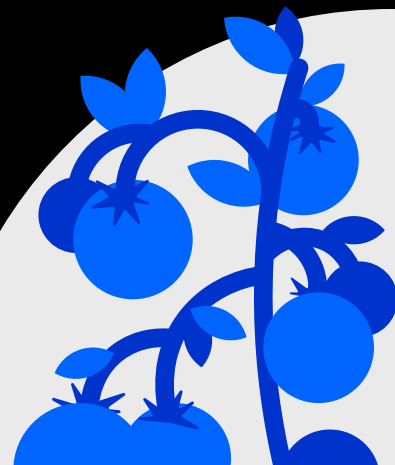
to conduct the trace back and determine the exact source of the outbreak





And more...

**IBM Food
Trust™ is
Happening
Today**



Tracing improved

From 7 days
To 2.2 seconds

Using IBM Blockchain Platform
(Operations Console now **OPEN SOURCE**)

IBM Food Trust



End-to-end traceability

Track how fresh food really is and how long it's been traveling in real-time to confidently understand remaining shelf life.



Full transparency

Top-to-bottom visibility into the food chain enables companies to know exactly where food is coming from and the conditions under which it was shipped.

<https://www.ibm.com/blockchain/solutions/food-trust>

IBM Blockchain



IBM Food Trust



Supply chain efficiency

Access to secure transactional data, temperature data and inventory levels, for example, allows your team to make proactive decisions based on that data that can optimize and improve efficiencies in the supply chain.

<https://www.ibm.com/blockchain/solutions/food-trust>

IBM Blockchain

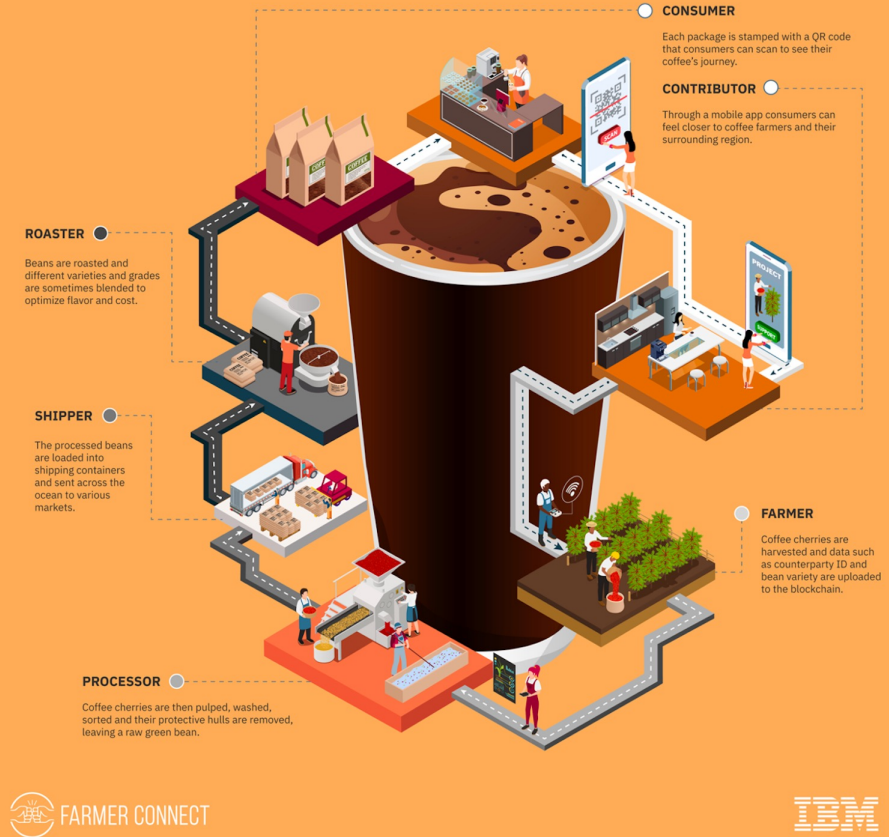


Farmer Connect

To increase the **visibility** of **coffee farmers** and try to create a **fairer** and more **sustainable supply chain**, IBM teamed up with the coffee industry to develop **Farmer Connect**, a **traceability platform** optimized for the coffee industry

<https://newsroom.ibm.com/2020-01-06-Farmer-Connect-Uses-IBM-Blockchain-to-Bridge-the-Gap-Between-Consumers-and-Smallholder-Coffee-Farmers>

IBM Blockchain



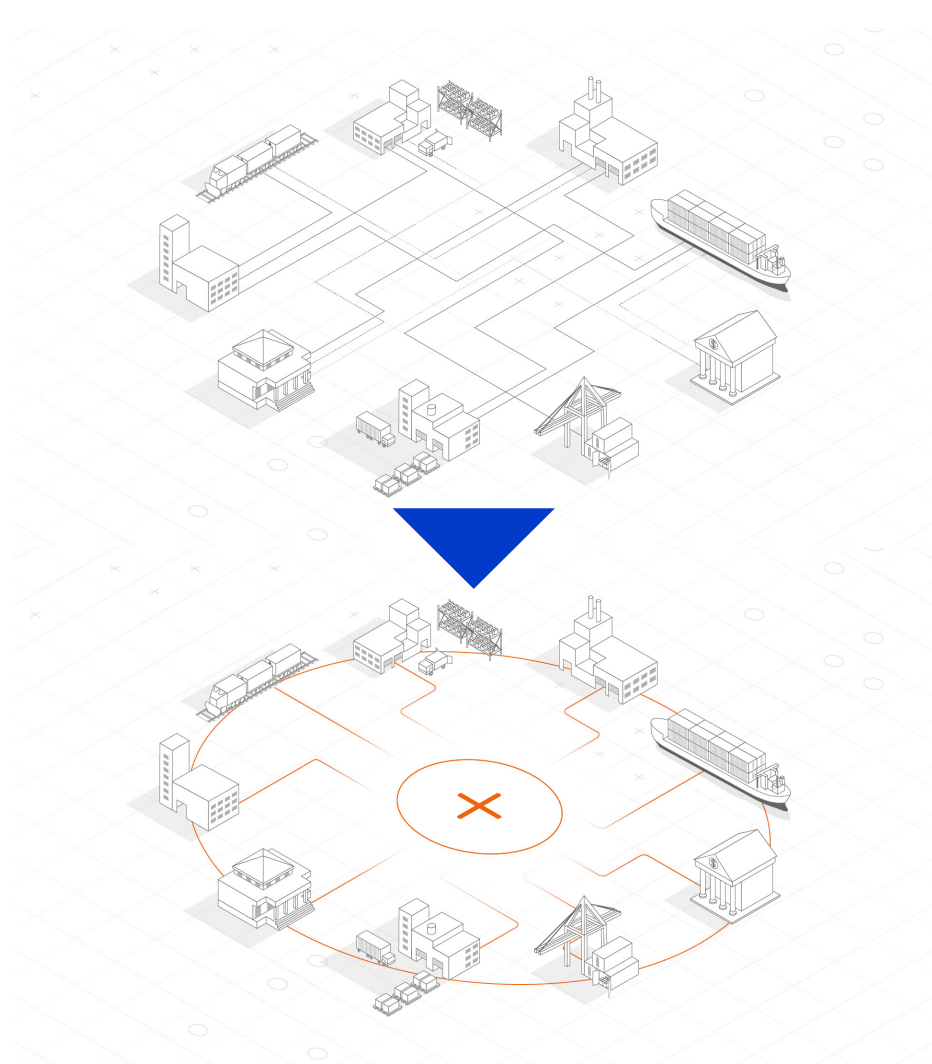
TradeLens

TradeLens is a blockchain-based container shipping platform giving the supply chain ecosystem unprecedented access to logistics data and trade documents, enabling digital collaboration across parties in the supply chain, and ushering in a digital transformation in global trade.

By reducing the friction inherent in today's global supply chains, TradeLens enables all participants to increase visibility, improve operational efficiencies, make informed data-driven decisions, coordinate activities with their partners, react to issues in real time, and provide better customer service

<https://www.tradelens.com/>

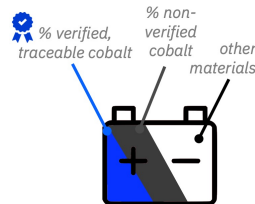
IBM Blockchain



Responsible Sourcing Blockchain Network (RSBN)

RSBN is a responsible sourcing assurance solution to achieve transparency, provenance and responsible business practices along the entire mine to OEM supply chain.

With RSBN, small companies that adhere to international standards can be validated and trusted, which takes the burden of compliance auditing off their trading partners. Blockchain also helps these compliant artisanal mining companies expand their trading network without the usual cost of doing so.

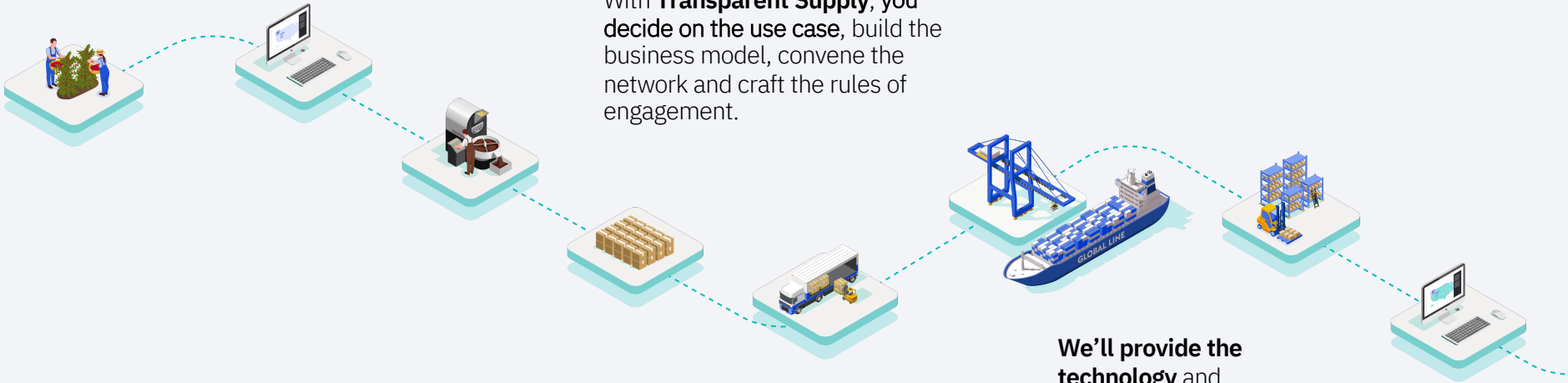


IBM Blockchain **Transparent Supply**

IBM Blockchain **Transparent Supply** is a blockchain platform solution that allows companies to **build their own data-sharing ecosystem** with their supply chain partners

With **Transparent Supply**, you **decide on the use case**, build the business model, convene the network and craft the rules of engagement.

We'll provide the technology and help you build.



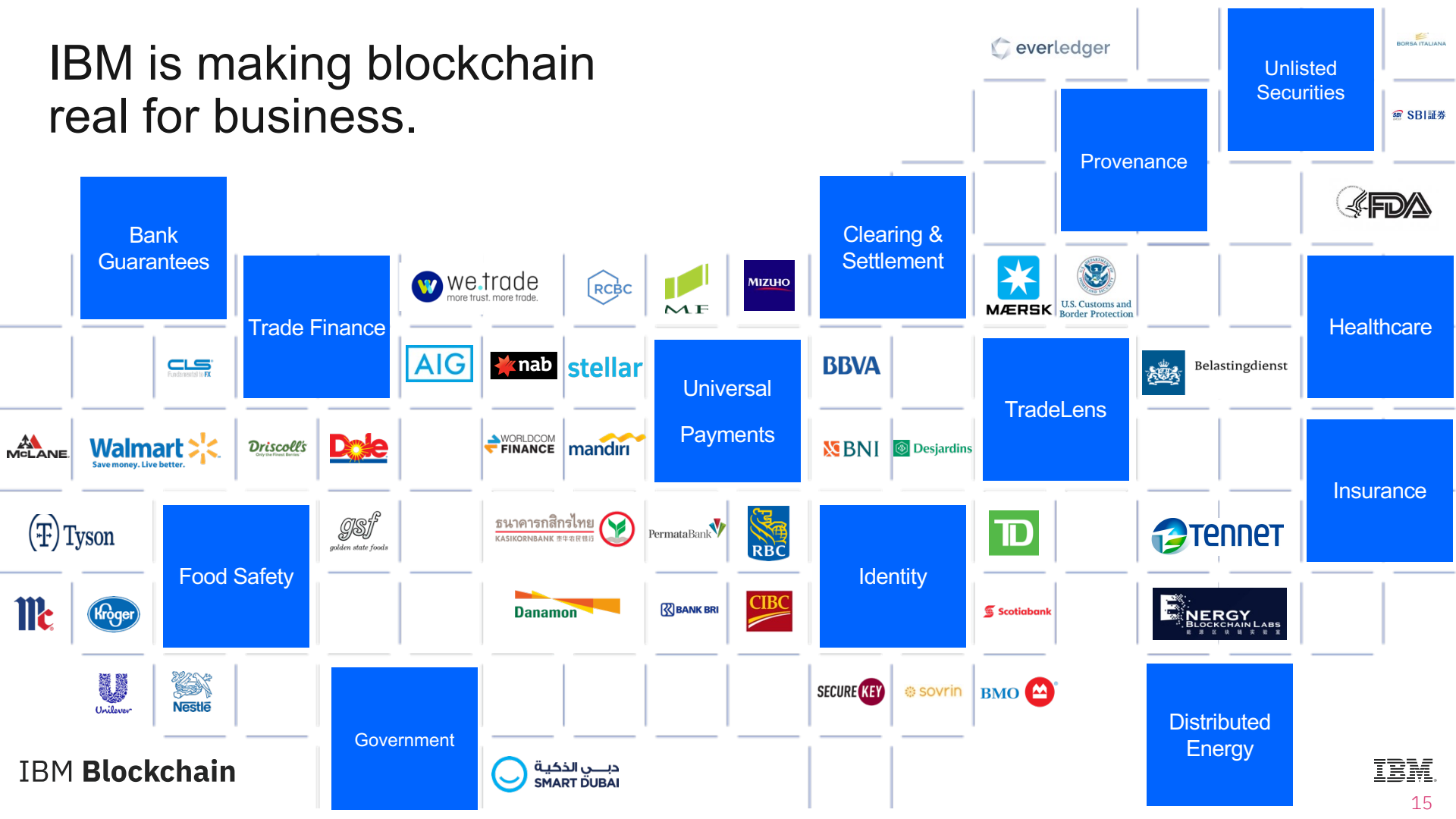
IBM Blockchain **Transparent Supply** Capabilities Overview

Transparent Supply comes with a core set of modules, APIs, capabilities, and services that allow you to **build & customize** your blockchain data-sharing platform.

Capabilities included in the core solution			Add-on capabilities	
Onboarding Connect your data to the blockchain	Home View organizational activity	Users Authorize users and assign roles	Consumer Enable consumers to see permissioned data on product journey	Insights Real-time inventory and cold chain data
Data Upload, download and view your company's data	Data provider Enable 3rd parties to submit data on your behalf	Support and services - Blockchain infrastructure and managed services - White label UI & product documentation - Learning resources - Technical support - Advanced technology services	Smart contracts Automate business processes with supply chain partners	Custom app and integration Client, IBM and third-party apps
Membership View and change your module subscription	Data subscription Receive data packages for analysis		Add-on capabilities are available to extend business value. The solution itself can be white labeled so you can establish a unique brand and style for the ecosystem you are building.	
Trace Trace assets back and forth in the supply chain	Documents Digitize and share any document			

IBM Blockchain Transparent Supply

IBM is making blockchain real for business.



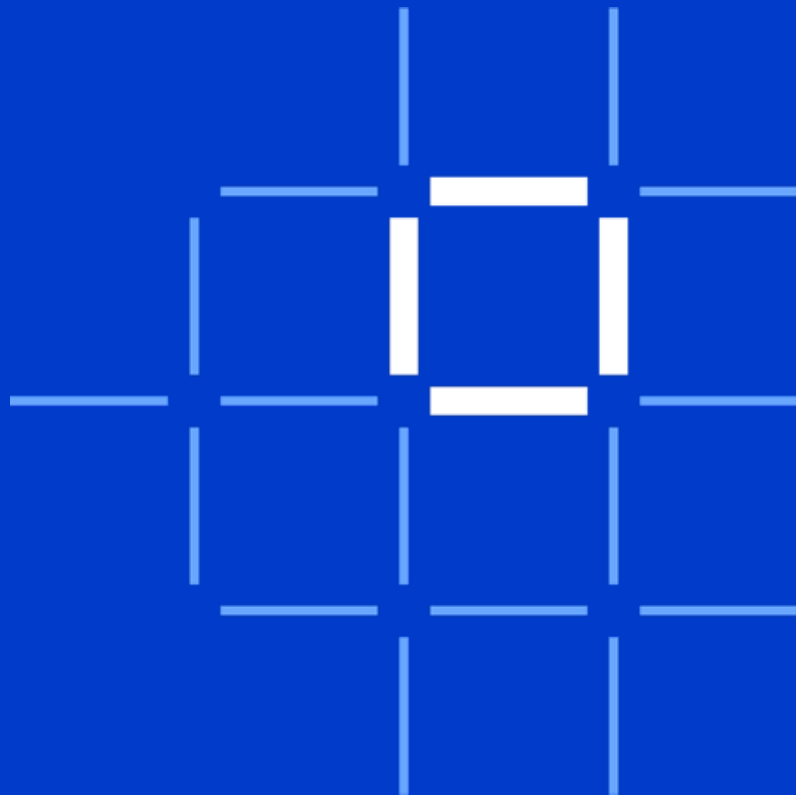
Thank you

*Questions? Tweet us or go
to ibm.com/blockchain*

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