Digital Public Infrastructure & Finternet

Siddharth Shetty, September 2024

In India, back in 2008...

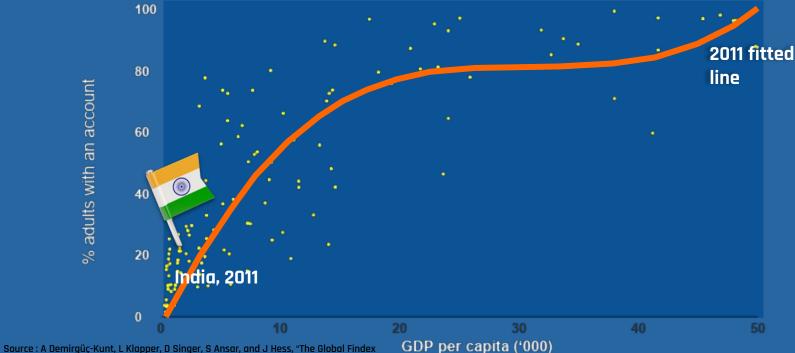
17%

had bank accounts

Financial <mark>exclusion</mark> was rampant

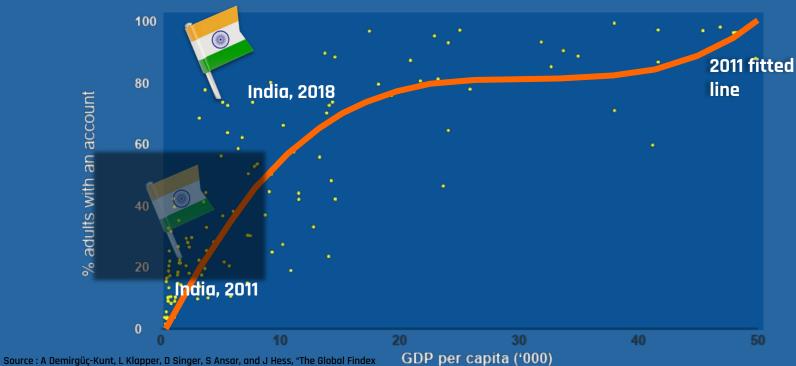


The unbanked number in 2011 was in line with the global scenario



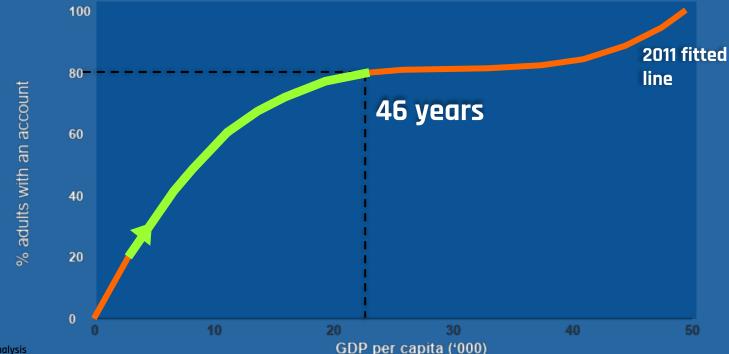
Database 2017: Measuring Financial Inclusion and the Fintech Revolution", World Bank, 2017

By 2018 India had massively jumped ahead in financial inclusion



Database 2017: Measuring Financial Inclusion and the Fintech Revolution", World Bank,

Traditional development would have taken half a century



Source : BIS Analysis

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This acceleration was due to 3 things



Political Will

Proactive Central Bank

Digital Public Infrastructure





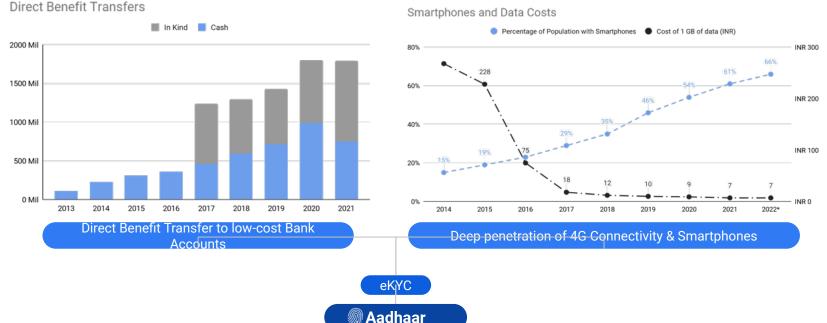




Foundational DPIs

The stack that enabled India's rapid rise in digital

Biometric ID led to a dramatically lower onboarding cost. Bringing hundreds of millions into banking & online



DigiLocker makes transactions paperless





249 Mn

Users of Digilocker as of February 2023

6.3 Bn

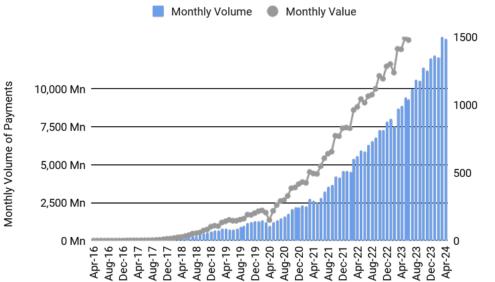
Issued Documents

1684

Document Issuers

UPI brings "Handy" QR payments for everyone

UPI Growth



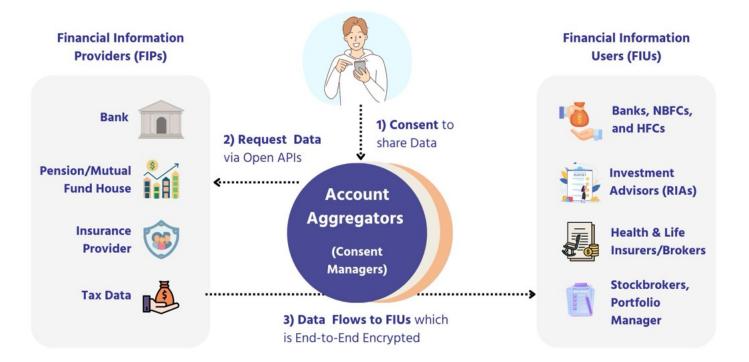




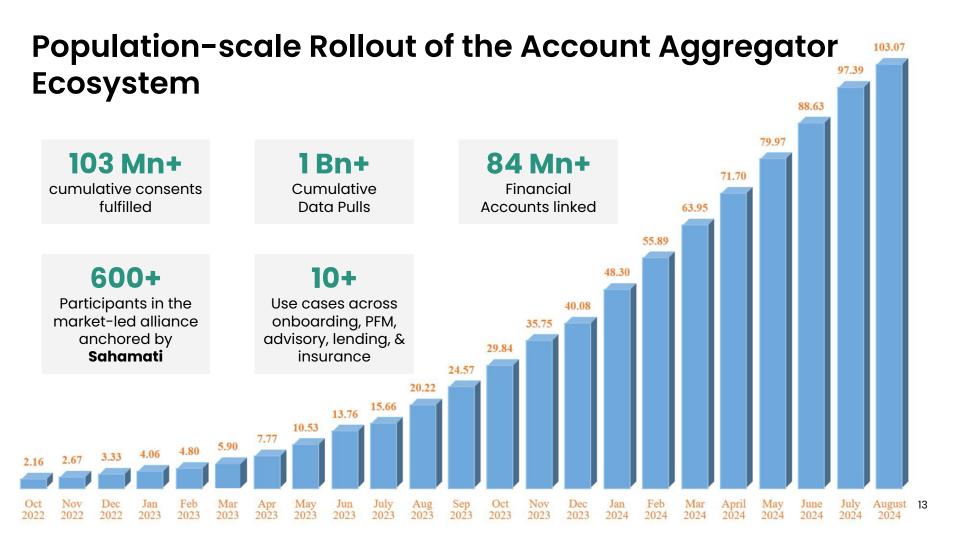
DPIs create data as a natural byproduct

With Data Sharing DPIs, this can be unleashed as powerful Digital Capital

The Account Aggregator ecosystem–India's DPI for consent-based data sharing



2.12 Billion financial accounts across banking, securities, insurance, pensions, & tax



DPI creates valuable startups







Finternet

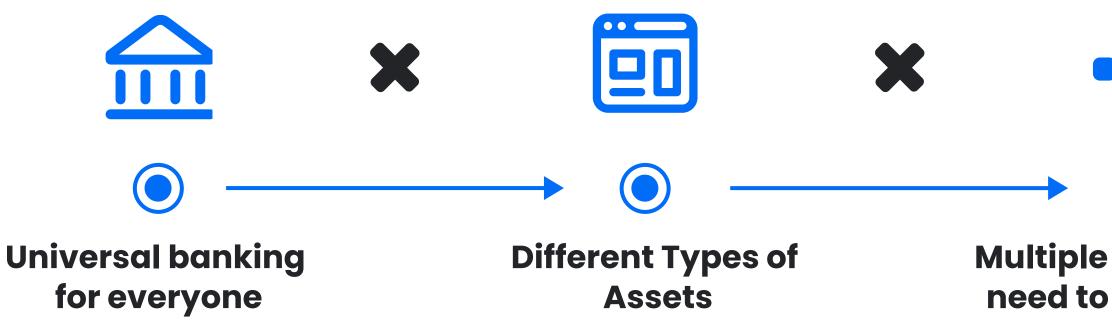
Imagine an interconnected financial ecosystem that empowers individuals and businesses

Financial innovation and inclusion has progressed around the world



and many more...

Today, users want more choice over their life

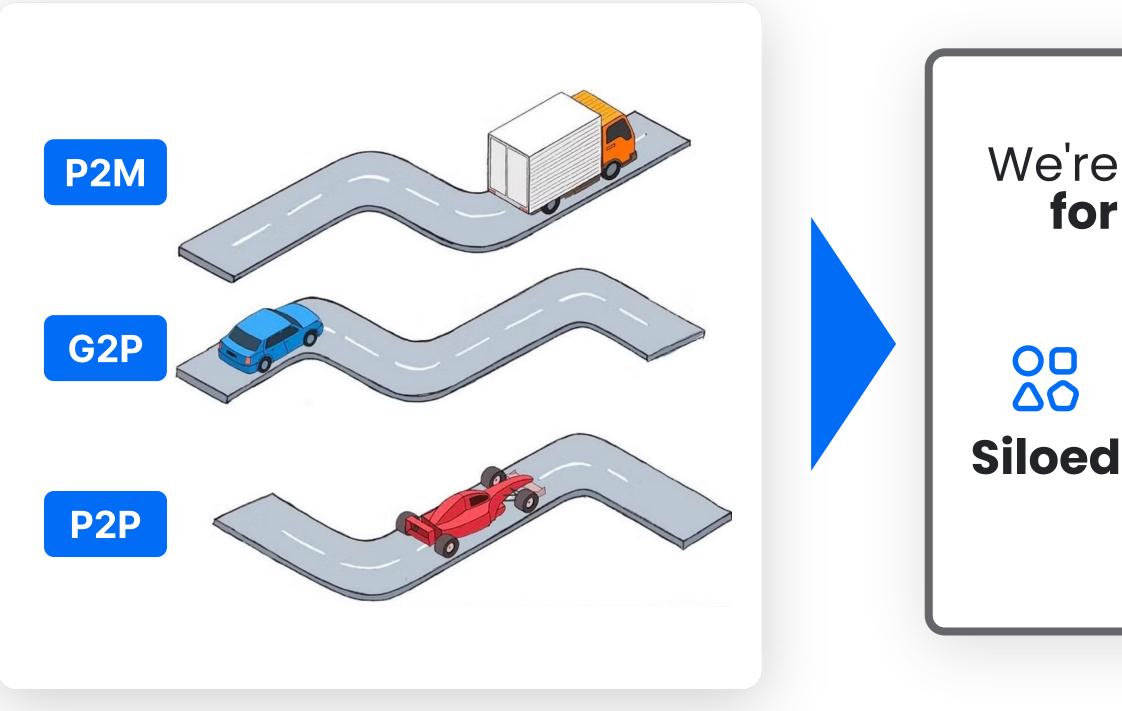


Billions of people are being held back from opportunities

Image: Constraint of the second second

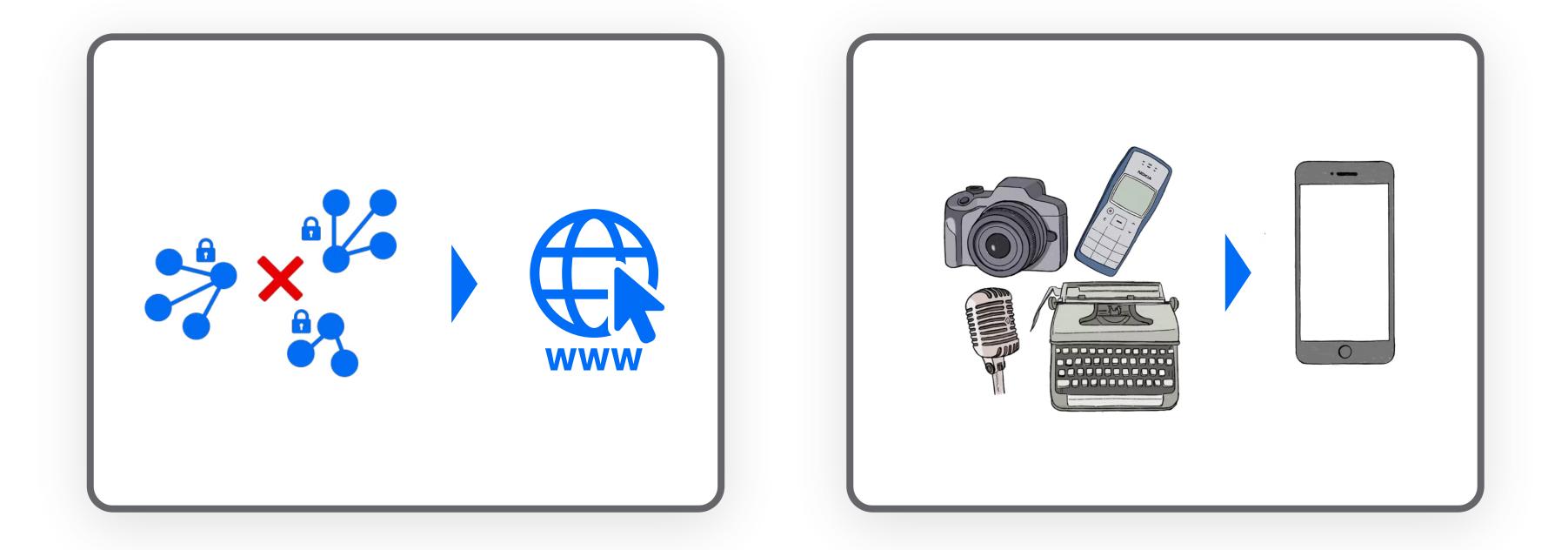
Multiple Systems that need to Interconnect

Today's financial infrastructure is purpose-driven and struggles to serve society's needs

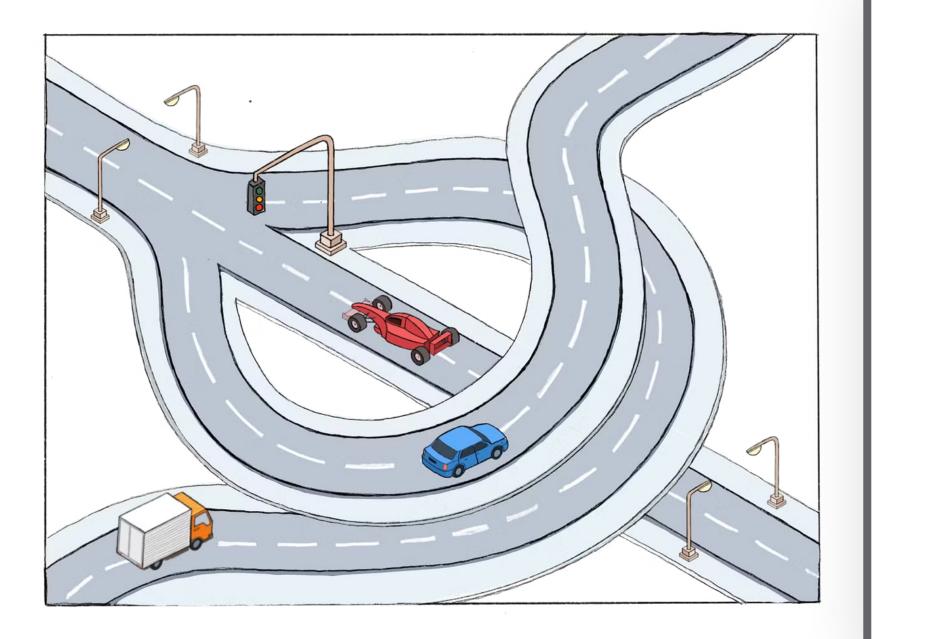


We're building a new road
for each new vehicle!Image: Second Signal S

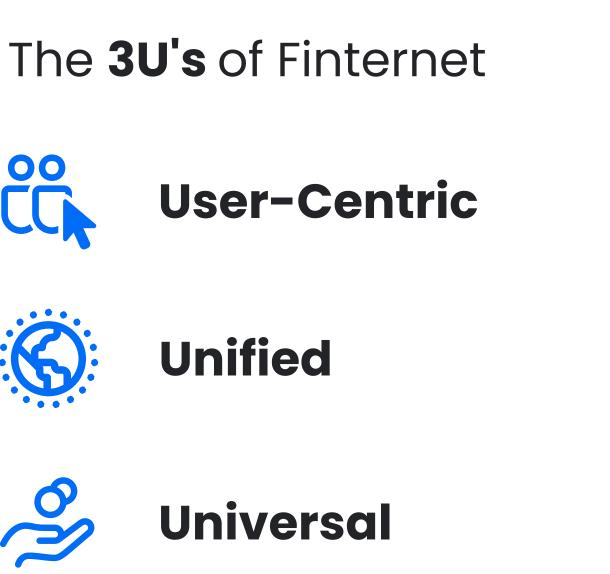
Technology starts purpose-specific, but it eventually converges to unlock exponential value



The Finternet is a user centric, unified & universal approach to finance



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Tokenisation & Cryptographic Technology are taking us back to the future

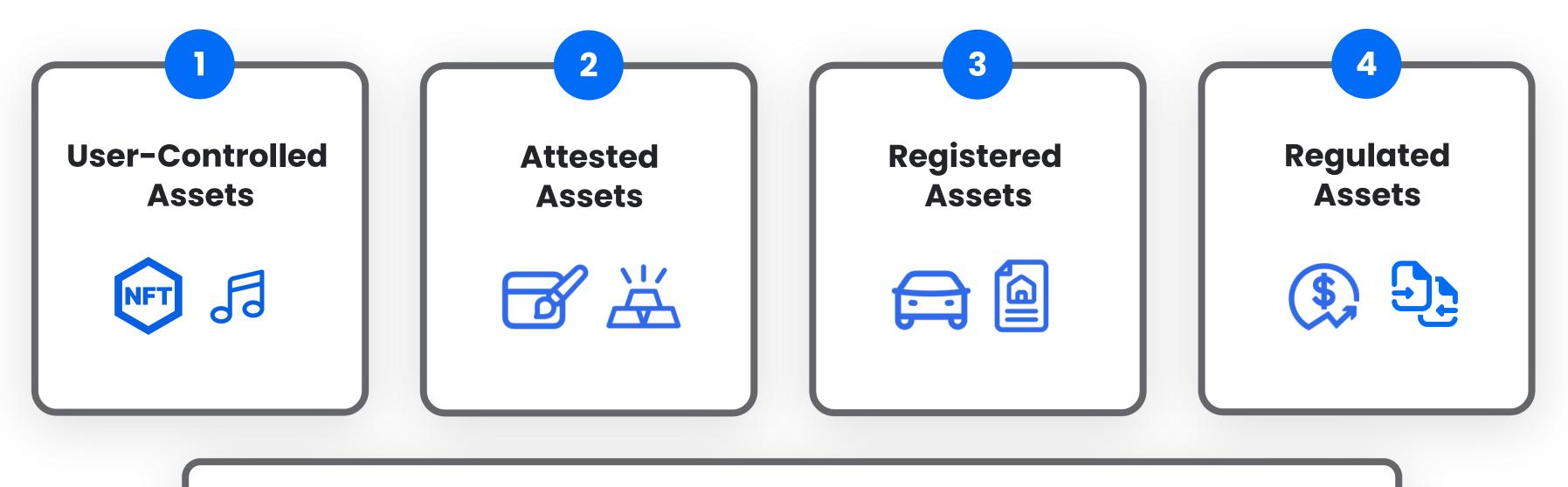






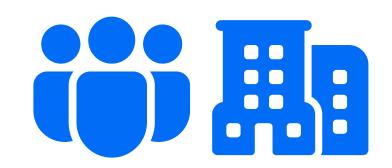
Cryptographic advances in **cross**organizational trust, portability, immutability, verifiability, security, and privacy

Finternet empowers people to participate in the upside of the economy

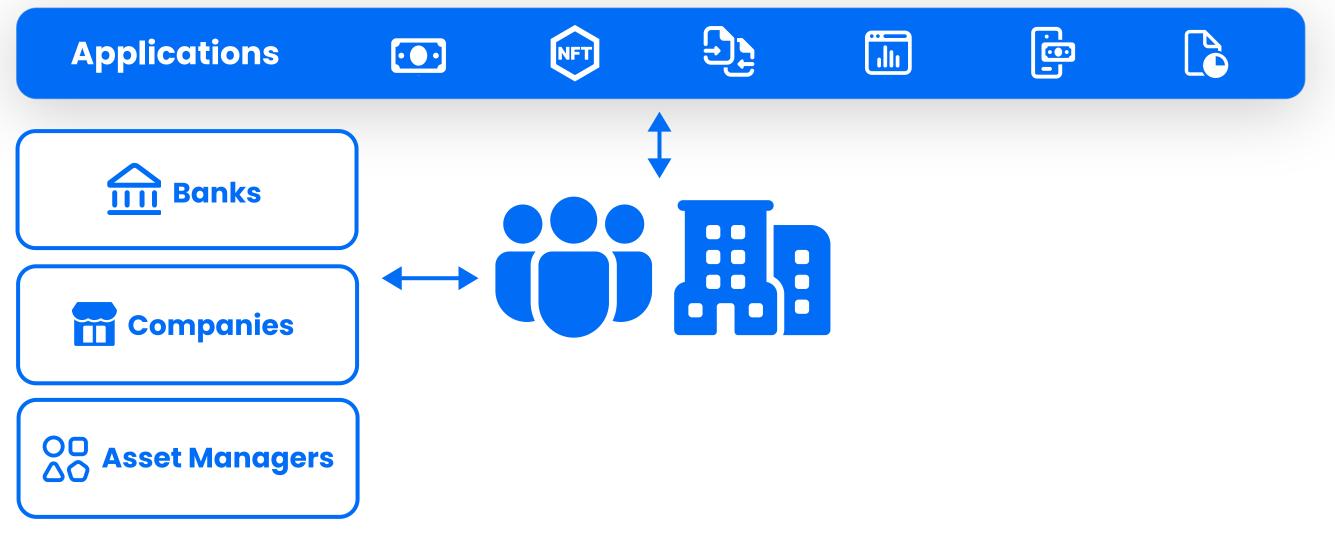




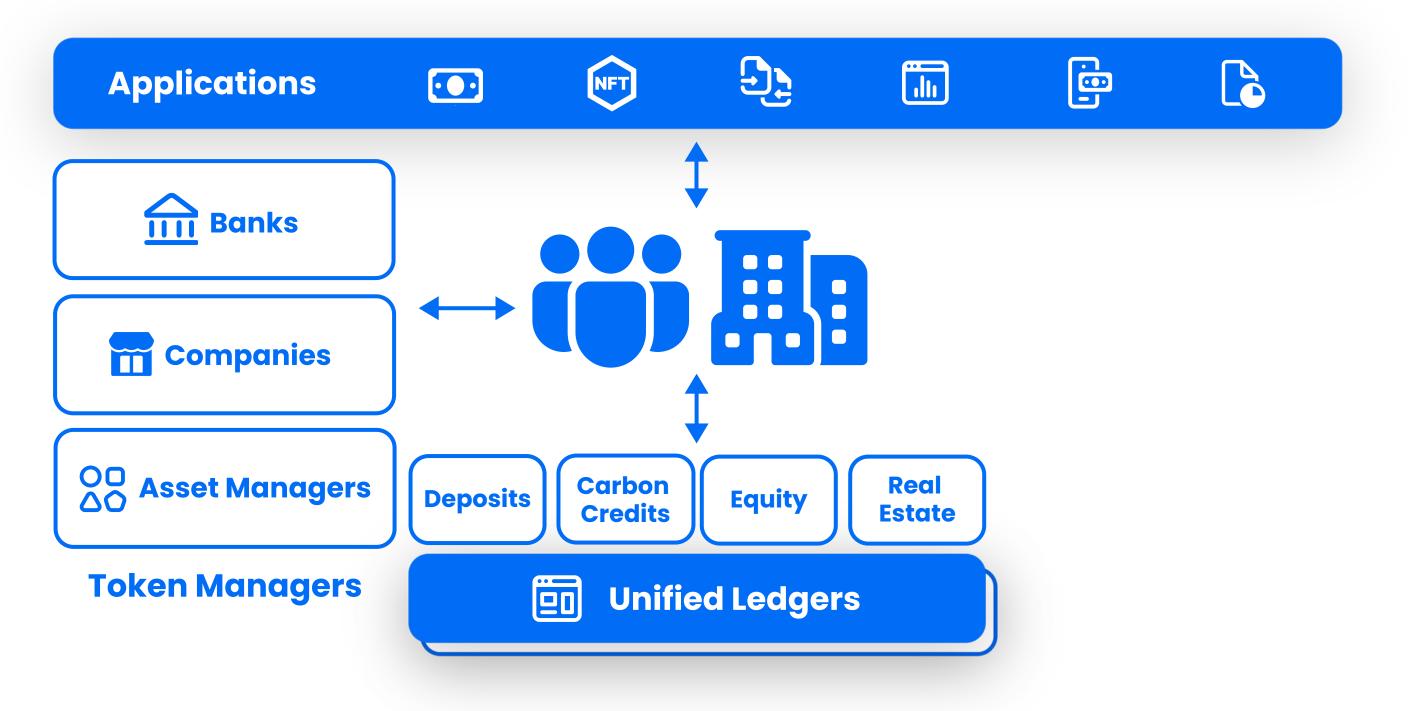
And protect themselves from downsides

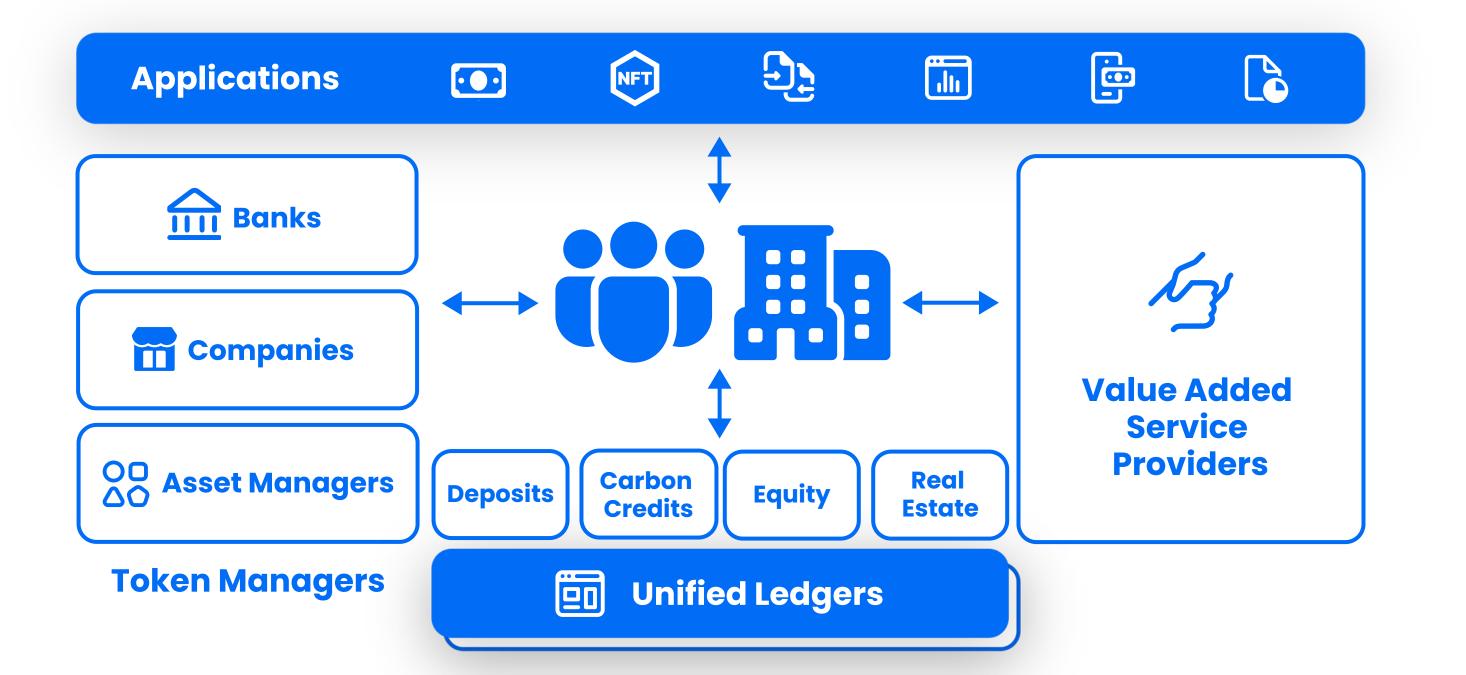


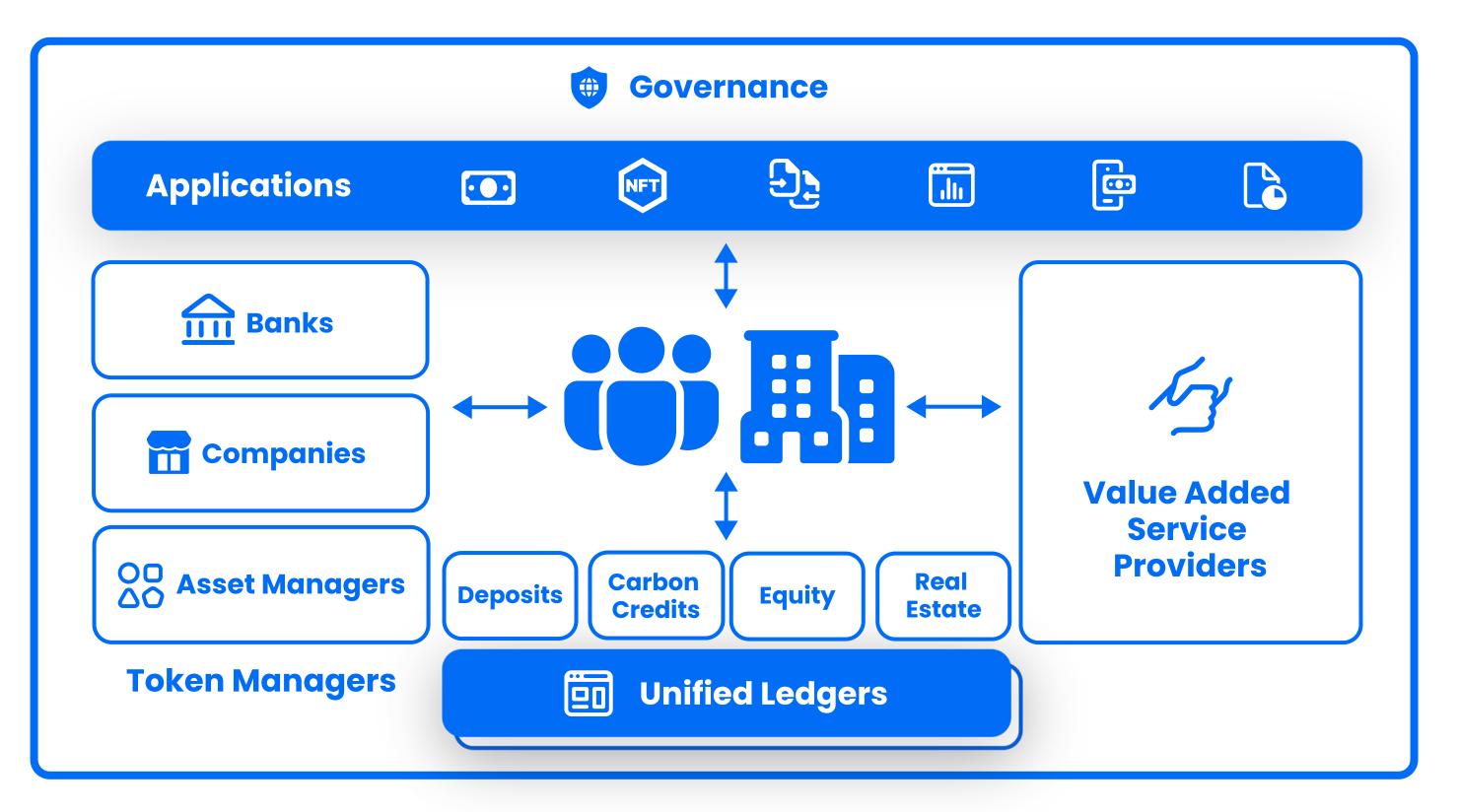




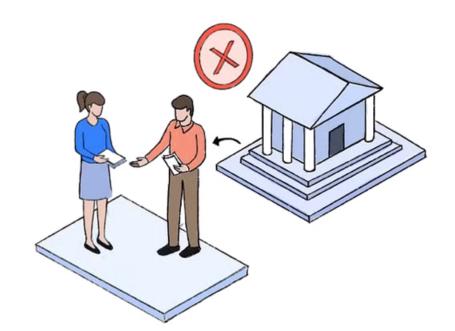
Token Managers

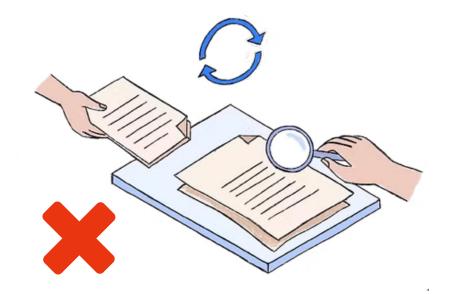






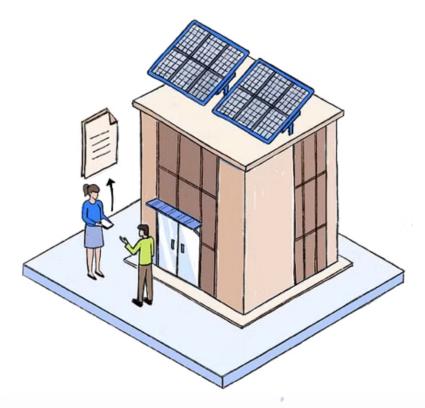
Now, let's imagine a <mark>use case</mark> in sustainability financing



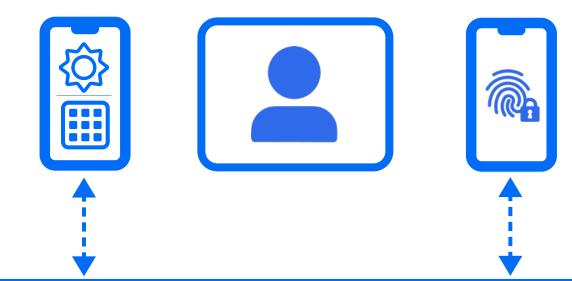


High Cost in establishing company & carbon provenance Lack of Interoperability affects the ability to finance across sectors and countries

Today, carbon markets are low volume, high cost, fragmented trust



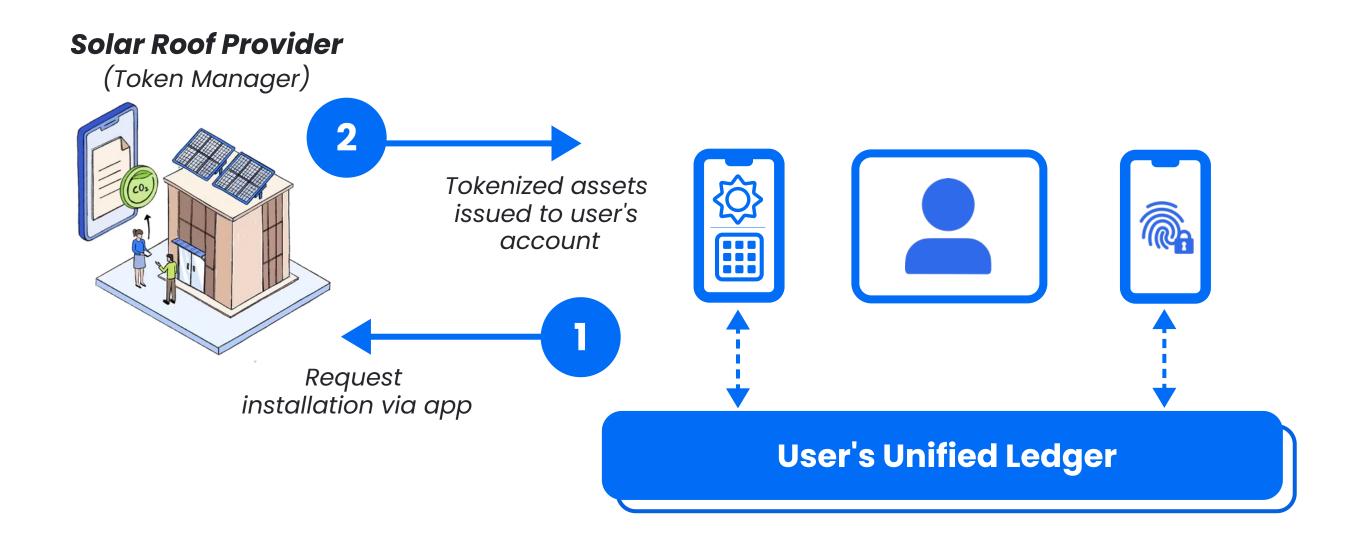
Repetitive Verifications have to be done



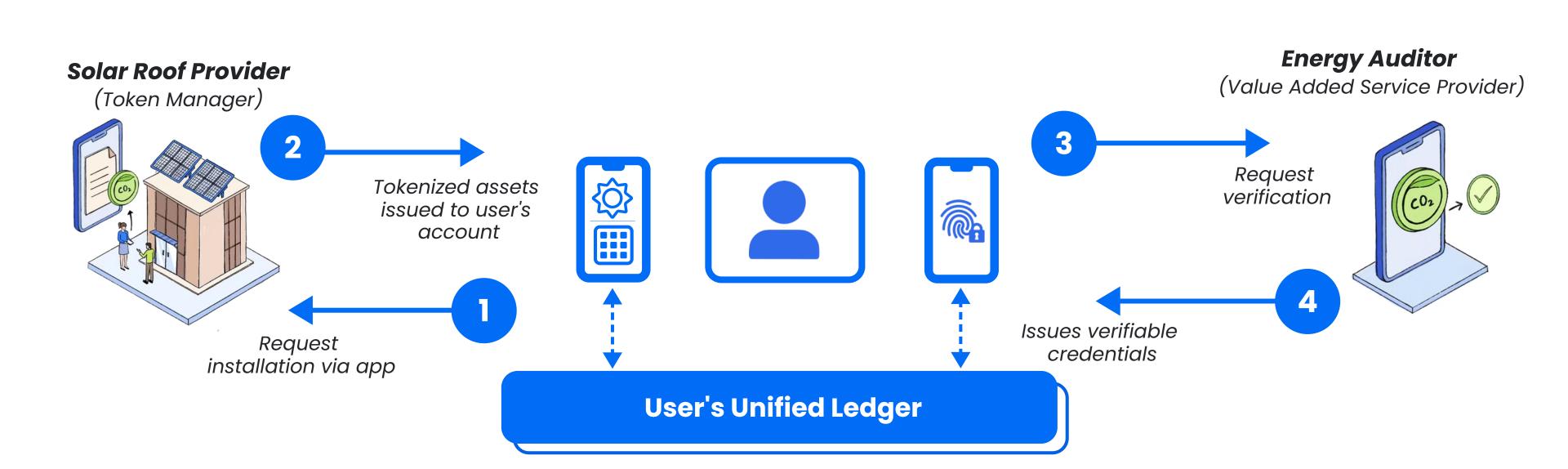
User's Unified Ledger



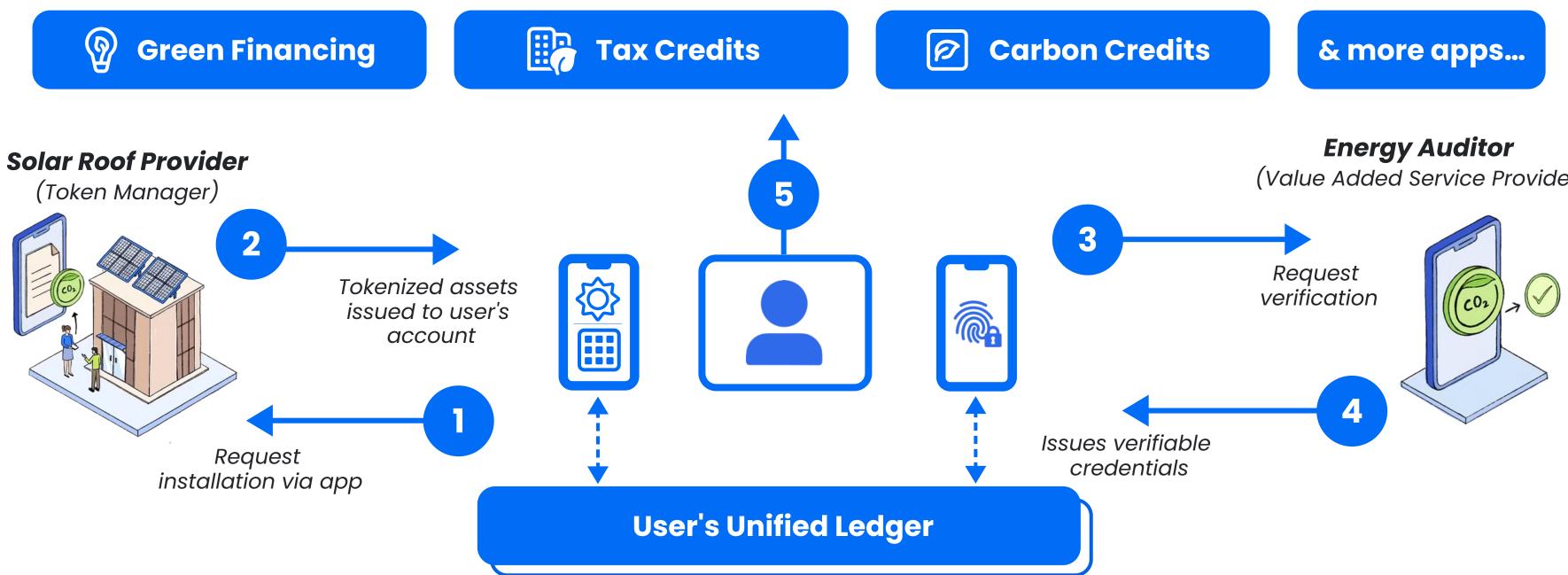








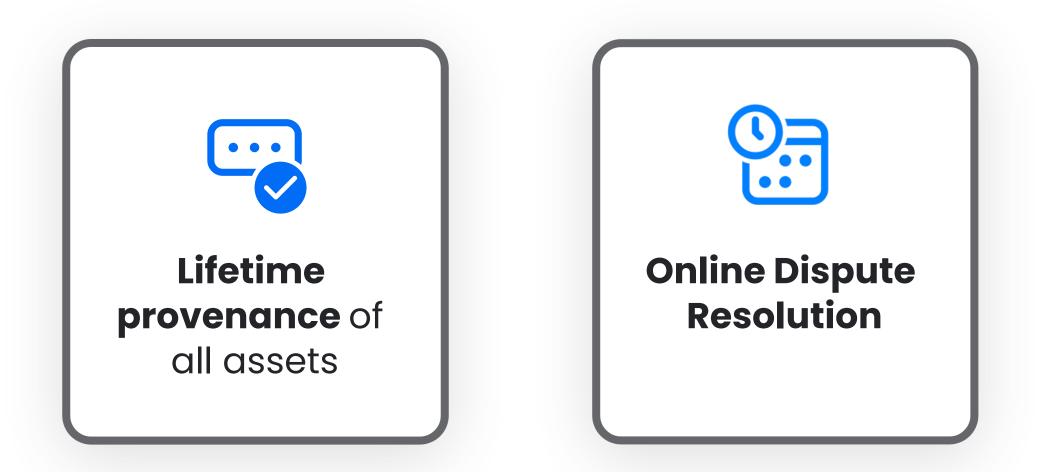






(Value Added Service Provider)

Finternet enables quick dispute resolution

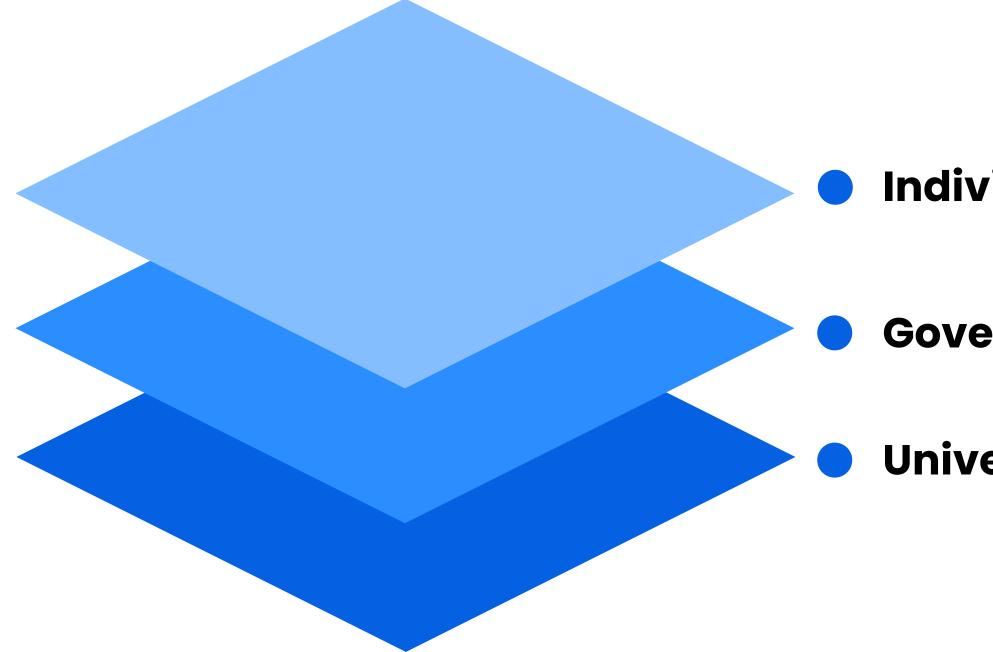


Dispute Resolution on Finternet could save decades in court!





Finternet enables regulators to regulate & innovators to innovate



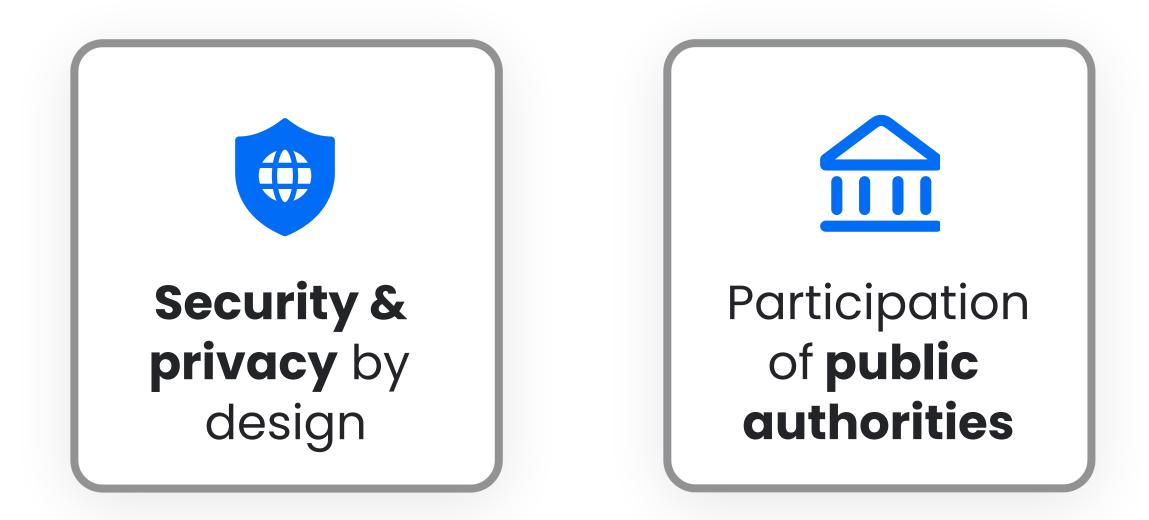


Individuals & Businesses

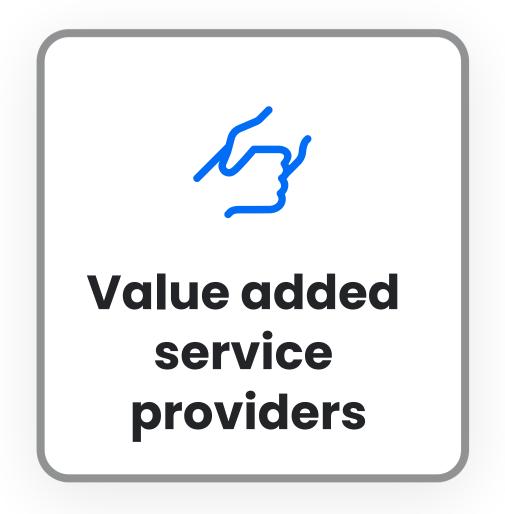
Governance

Universal Technology

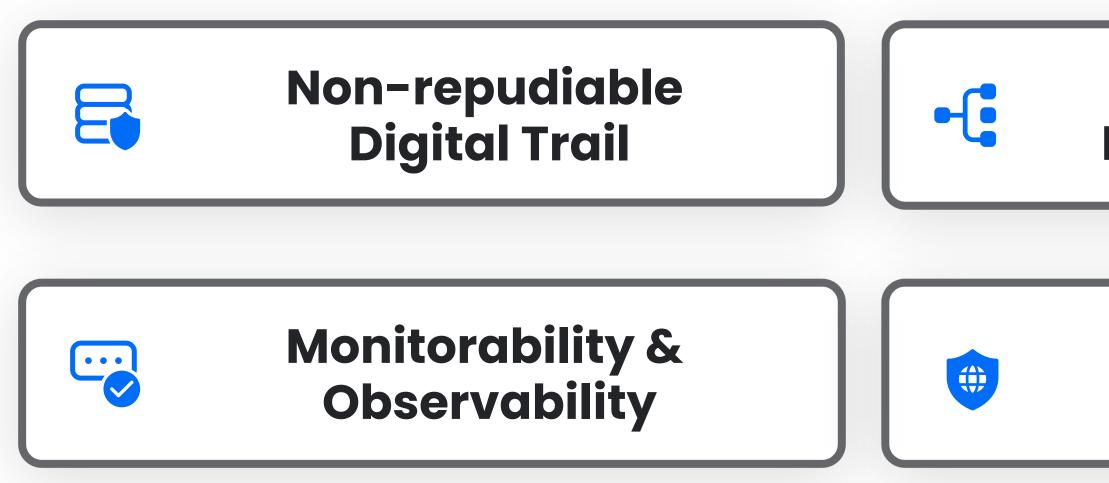
Finternet is safe, secure and enables strong consumer protection







Enhancing Regulation & Supervision





Programmatic **Enforcement of Rules**

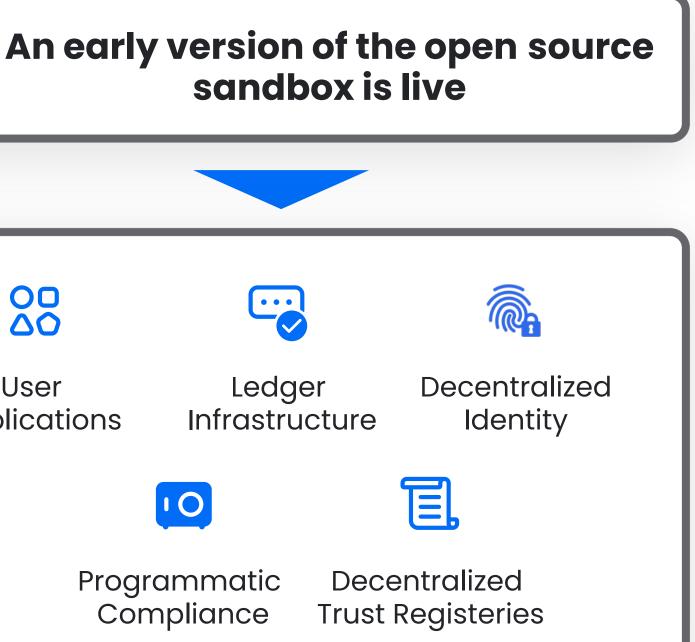
Governance at all levels

International community has come together

Your verified properties	ABC Bank LTV ratio: 75% Interest: 7%
Land ID Property Type AXMD1EED • Residential	View Loan Offer
Value Rs 1,00,00,000	
Ownership O Value O NOC O	Amazing Bank LTV ratio: 75% Interest: 8%
State Property Registrar	
Request Loan	Best Bank LTV ratio: 70% Interest: 7.3%
EMI Calculator	People's Bank
Required Loan Amount	
Tenure Interest	Awesome Bank LTV ratio: 75% Interest: 7.9%
0 yrs 0 %	
Calculate	
	By clicking continue, I agree to share any additional property documents to the selected bank, as may be required.
Secured by Finternet	Secured by Finternet

O J

User Applications



We are setting up a international network of technology labs





Designing Universal Technology

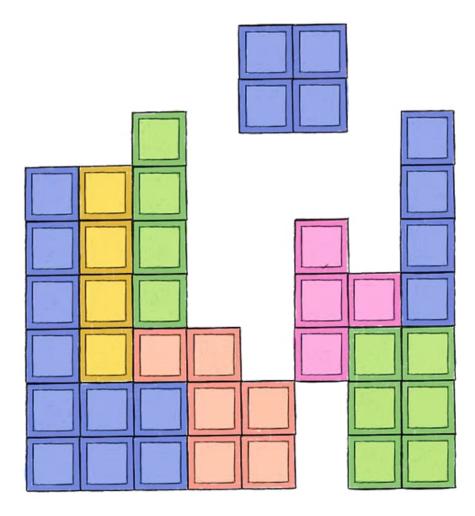
Collaborating with Local Authorities & Ecosystems

Driving Adoption Pilots

Ambitious Vision, Calibrated Action! The Finternet is designed for asynchronous adoption

Enabling adoption one step at a time
A journey of building trust gradually
A journey of building trust gradually

Join **whenever you want**, its always interoperable



Thank You!

Siddharth Shetty, September 2024

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