

ITM Blockchain Scaling Solution for IoT

Empowering IoT devices connecting to blockchain
for next-level data verification



ITM Blockchain Scaling Solution enables developers to incorporate the security of blockchain into their internet of things (IoT) solutions without sacrificing scalability.

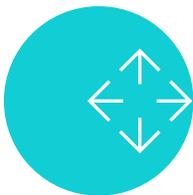
What is ITM Blockchain Scaling Solution ?

ITM Blockchain Scaling gives solution developers a way to incorporate the data integrity of blockchain into their IoT products. End users of solutions built with ITM Blockchain Scaling benefit from the trust, security, and auditability that blockchain provides without sacrificing speed or scalability. Traditional blockchain approaches would be too slow and costly for IoT solutions.



IoT Data to Blockchain for Integrity & Security

- Improve confidence in data upload between edge and cloud for any solution that you build
- Deploy data-critical solutions for customers knowing data integrity is locked in the blockchain
- Reduce development costs for solutions with software libraries for both the edge and the cloud



Scalable

ITM Blockchain Scaling provides the first-ever solution for clearing millions of off-chain data with only a single main-chain transaction.



Trustworthy

Companies that require a high level of accountability for their data can achieve the transparency they need to satisfy customers and regulators.



Cost-effective

Unlike traditional blockchain approaches, the solution can keep data transactions to a minimum for significantly reduced costs.

This collaboration will allow us to design products providing strong security on microcontrollers with Azure Sphere. ITM designs edge computing software that makes connected objects more reliable so that they can optimally register millions of transactions sealed in a single fingerprint in a blockchain. The principle of global footprint is already known but ITM technology is specific to IoT, which is what makes it innovative. It makes it possible to absorb the volumetry of the data without generating a latency problem."

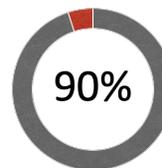
- Marc Gardette, Technical Director of the Microsoft France

ITM Scaling Solution Makes Blockchain Practical for IoT

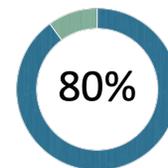


ITM Blockchain for Supply Chain & Smart Logistics

- Enable Trustworthy Partnership
- Track Down Process Real Problem
- Trust to be Created from Data Origin



Reduce Cost

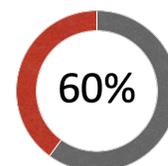


Increase Auditing Efficiency

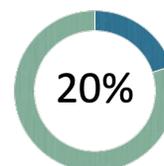


ITM Blockchain for Supply Chain & Smart Logistics

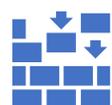
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Reduce Management Risk



Increase Efficiency



ITM Blockchain for Manufacturing & Industry 4.0

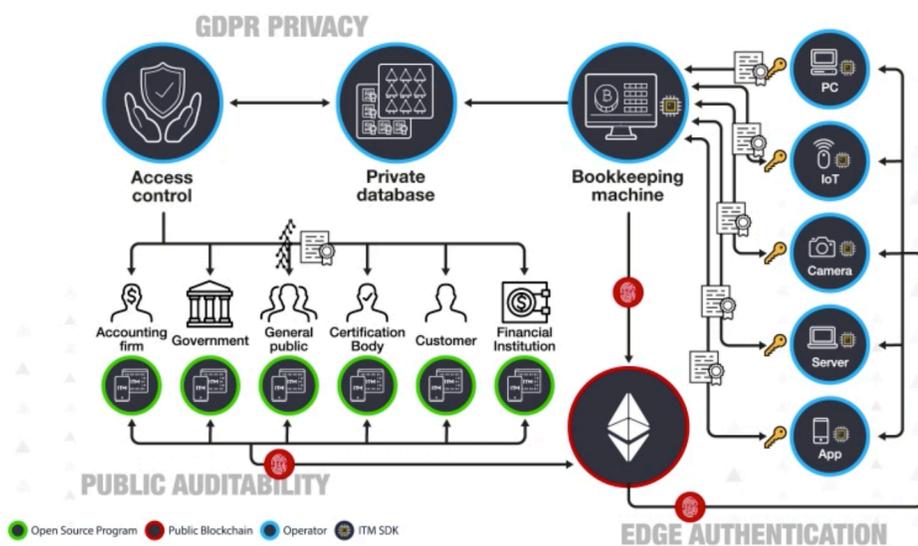
- Categorize Components before Manufacturing
- Enable Trustworthy Partnership
- Optimize Overall Equipment Effectiveness



Guarantee Data Integrity



Increase Operation Efficiency



- Any specific data can be audited independently
- Open source verification
- 3rd Party Audit Not Needed
- Compliant with GDPR
- Avoid Data Leakage Issue
- Cost-effective Attestation
- Edge Device (Data Source) to Verify Authenticity

Why ITM Blockchain Scaling Solution ?

There are currently no comparable solutions on the market. Traditional approaches to blockchain are not logistically or financially feasible for data transfers from devices on the edge. With a cost-effective transaction model and massively scalable proprietary security protocol, the power of blockchain is finally in the hands of developers who create solutions that require the highest level of data integrity.