



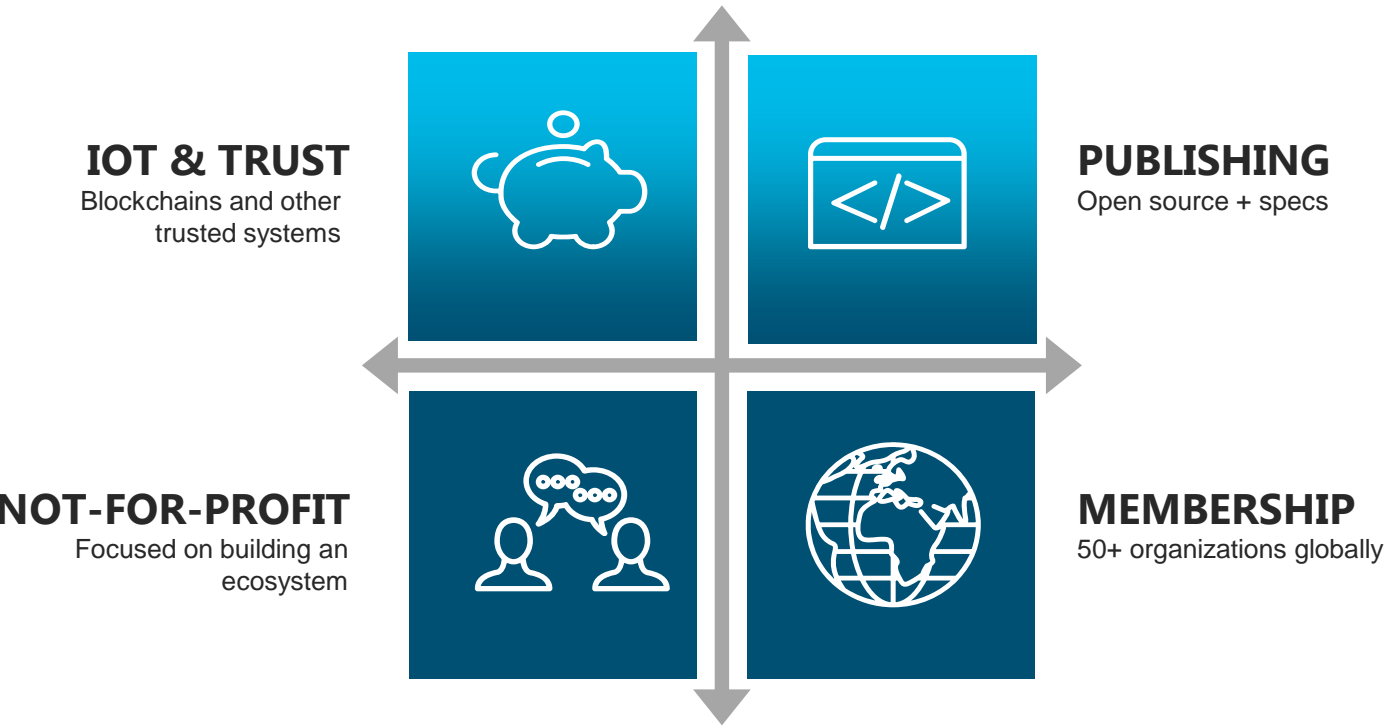
TrustedIoTAlliance

<http://trusted-iot.org>



TrustedIoTAlliance

Trusted IoT Alliance



- **60 total members**
8 Large Companies
51 Start-Ups
1 Government
- Bringing together forward- thinking startups, enterprises, IoT consortia, blockchain consortia and other trust communities
- Developing open protocol standards for devices to commonly interact with the emerging multitude of blockchain networks and other trust technologies



What We Do

We are a new open source software foundation creating a secure, scalable, interoperable, and trusted IoT ecosystem.

We are developing...

Industry standard protocols and architecture to enable trust in the data produced by IoT systems, using agnostic, distributed ledger/blockchain technology.

This will enable...

A decentralized trust model for interoperable, digitized identities of physical goods, documents, immobilized assets, sensors, and machines, and transactions between them.



Our Mission

To leverage blockchain and other leading initiatives to secure and scale IoT ecosystems.

- We seek to enable trust in the data produced by IoT systems in a distributed ledger/blockchain agnostic fashion.
- This will enable a decentralized trust model for interoperable digitized identities of physical goods, documents, immobilized assets, sensors, and machines.
- We wish to see this happen with the resiliency that can scale to support billions of connected devices.



Our Shared Vision

We believe blockchain for IoT has the potential to enable a decentralized trust model for interoperable, digitized identities of **physical goods**, **documents**, **immobilized assets**, **sensors**, and **machines** – and transactions between them on a global scale.



Our Shared Goals

The Alliance will...

- Build the future of the economy through the development of an ecosystem.
- Connect and secure the next generation of smart IoT products for a more trusted, secure and scalable Internet of all Things.
- Leverage the Big Data and Machine Learning aspects of Artificial Intelligence along with Blockchain and other emerging technologies.



Our Key Strategic Objectives

We aim to build the economy of the future through the development of an ecosystem.

1. Build a Community

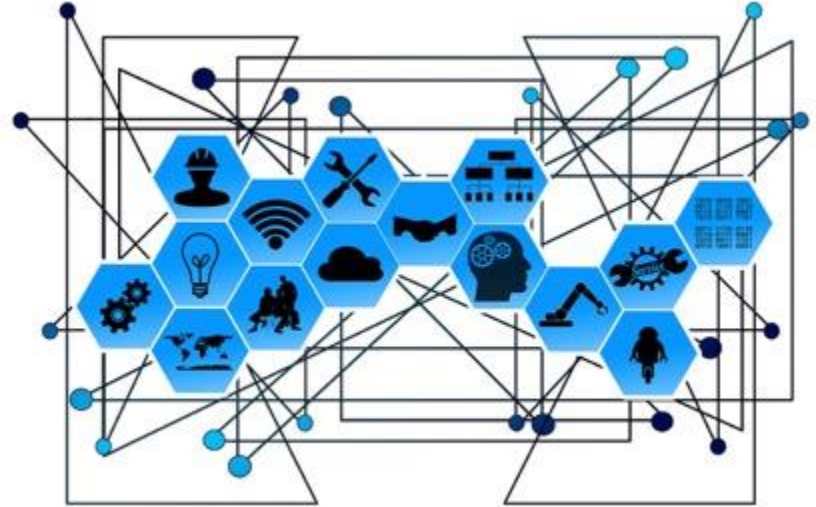
- Foundation with proactive members committed to building a vibrant ecosystem.

2. Foster a Research Environment

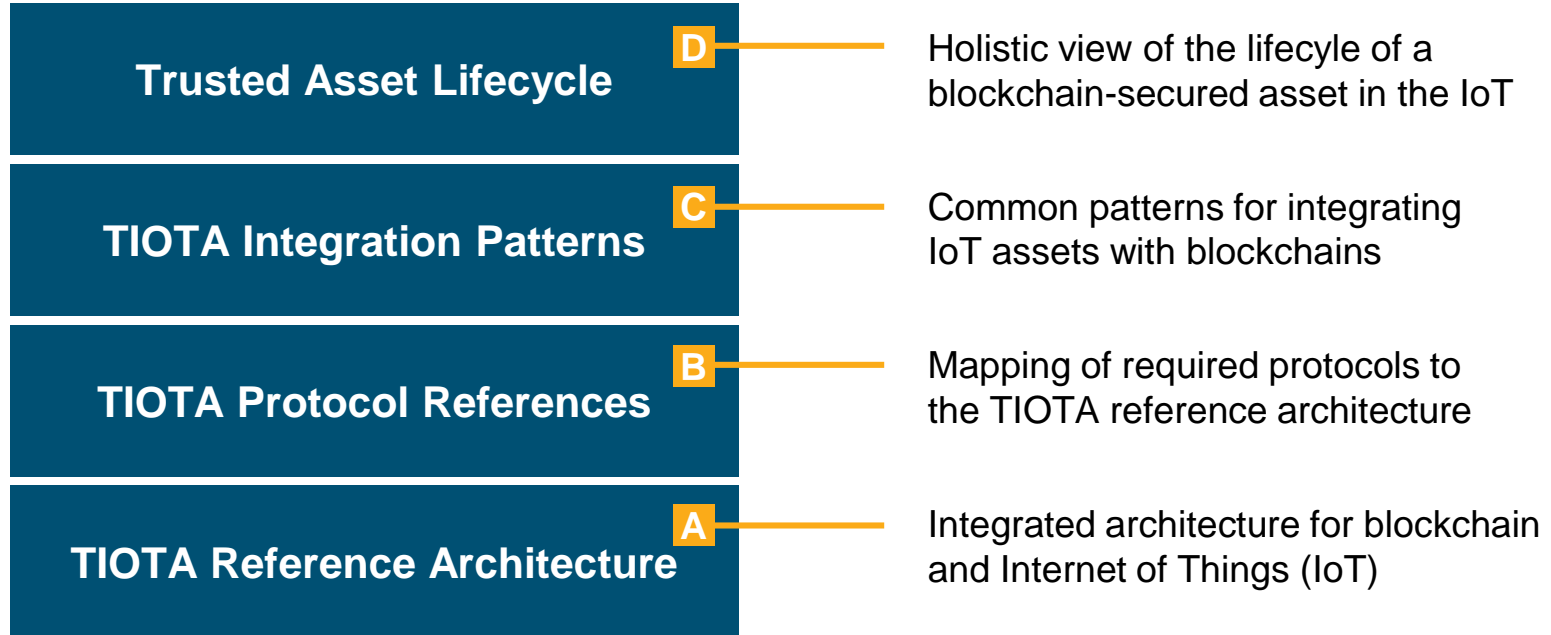
- Thought leadership that translates to a open source Reference Architecture for adoption across the industry.

3. Create and Share Best Practices

- Establish best practices for blockchain and IoT clients and application development in order to facilitate success for real-world deployments.



The TIOTA Framework



The TloTA Challenges

WHY?

- Bring together enterprise users with innovators.
- Support explorative roadmaps towards real-world deployments

HOW?

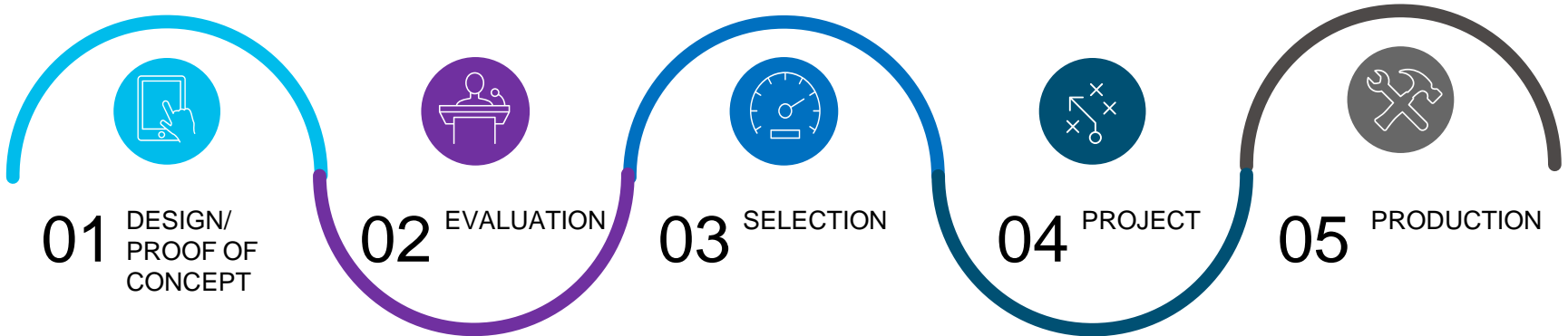
- Open challenges with real customer requirements.
- Six months from announcement to initial results

WHO?

- Enterprise users, start-ups, academic institutions
- Alliance partners and members

BENEFITS

- Enterprises: Multiple solution proposals + benchmarks
- Innovators: Real-world customer use cases + visibility

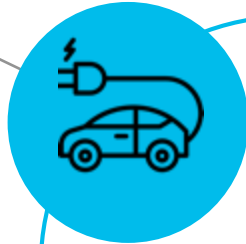


TloTA Challenges

SMART MOBILITY CHALLENGE

(concluded at BCW19)

- Enabling seamless EV mobility services
- Charging, roaming, convenience services, discovery/ navigation, etc.
- PACE Tour from February (Mobile World Congress) to May (Bosch Connected World)



SMART BUILDING CHALLENGE

(announced at BCW19)

- Factories, airports, malls
- Building security
- Automation and efficiency
- Building optimization



SMART CONSTRUCTION CHALLENGE

(Round 2 underway)

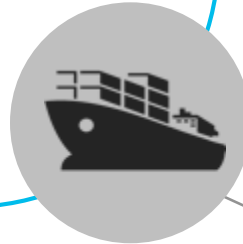
- Combines innovative IoT solutions for smart construction with trust technologies
- Wearables, tracking, Building Information Modeling, smart equipment



SMART LOGISTICS CHALLENGE

(announced at BCW19)

- Solving the N*M integration problem
- Logistics Service Providers, carriers
- Retailers + Manufacturers



TrustedIoT Alliance

Smart Construction



Included a Smart Construction Area at BCW19

SMART CONSTRUCTION
USE CASES:

1 TRACK AND TRACE

2 SMART WORKER

3 CONSTRUCTION ASSURANCE

VISIT TODAY: BOSCH here

VISIT TODAY: TÜV TrustedIoTAlliance

edIoTAlliance

The graphic features a central image of a construction worker in a yellow safety vest and orange hard hat. The background is divided into three vertical panels: purple for 'TRACK AND TRACE', purple for 'SMART WORKER', and blue for 'CONSTRUCTION ASSURANCE'. Each panel contains icons representing various smart construction technologies. At the bottom, there are two boxes with 'VISIT TODAY:' text and logos for Bosch and here, and TÜV and TrustedIoTAlliance. The edIoTAlliance logo is in the bottom right corner.

E-Mobility

Smart Charging

Crypto HW/SW

Secure, Attest, Authenticate



Distributed Data Marketplace



Machine Witness



FOTA/ SOTA



Track & Trace



Ride Sharing



Seamless IoT Access

Smart Home Integration

Thank you!

For more information, please
contact us at
info@trusted-iot.org



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