



IOTA  
FOUNDATION

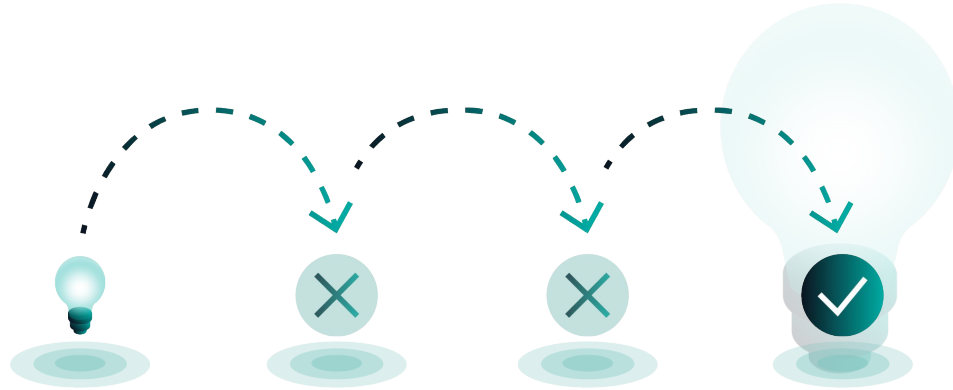
UN Peacekeeping Tech Symposium



# Personal Background

- Originally from Italy, currently live in Berlin
- Entrepreneurially active since I was 14, first (failed) Startup with 18 in Switzerland
- Co-Founder of IOTA and the IOTA Foundation
- Fascinated by Permissionless Innovation

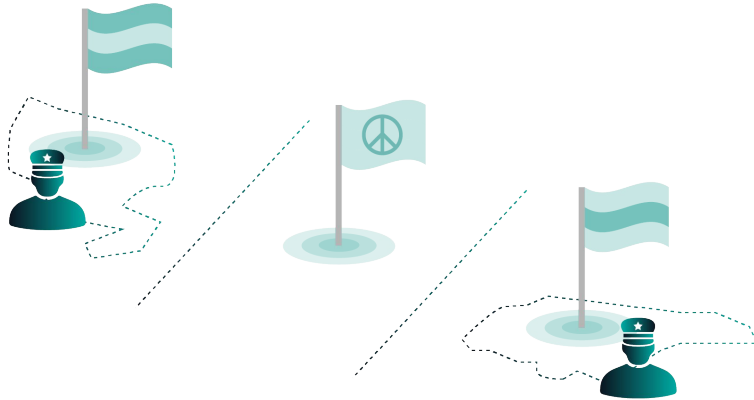
# Trying and failing leads to success



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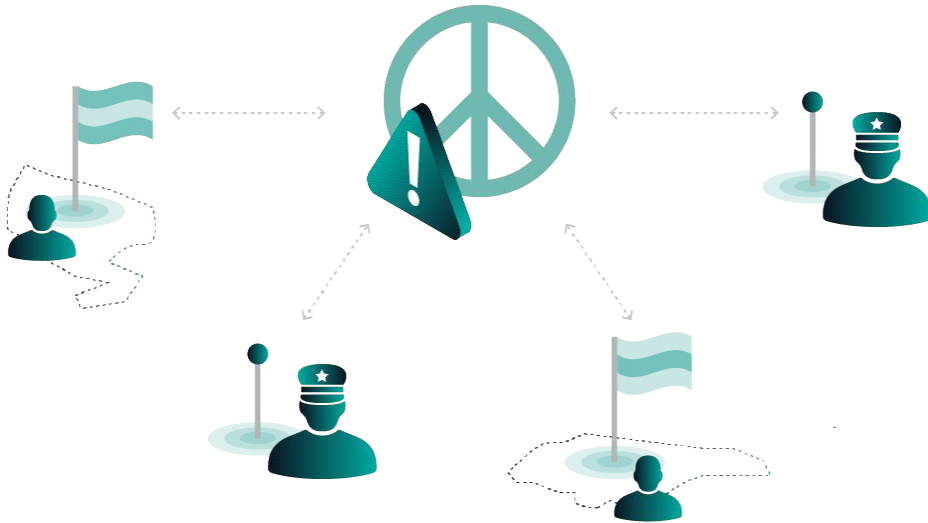
# Challenges for the UN

# Complex Mandates



Not the traditional setup anymore where you have two parties needing a de-militarized zone in between

# Complex Mandates



Now, you have a mix of state and non-state militarized groups, organized and grass roots, military and non-military – and not all are part of peace process at same time

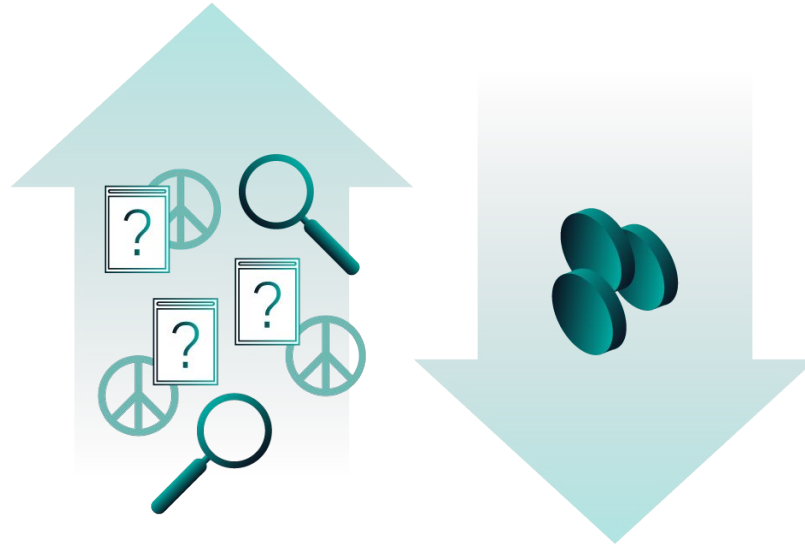
# Complex Mandates



Peacekeeping includes

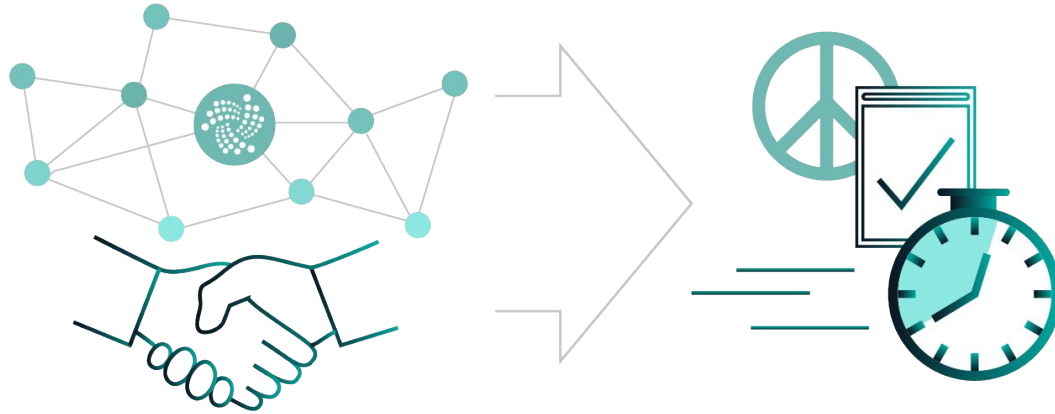
- providing guidance to failed states
- assisting to re-build governmental structures
- re-integration of former fighters
- fighting corruption
- fostering human rights and equal opportunities for minorities
- stopping human trafficking
- providing hope to displaced people,
- and much more,...

# Budget for Complex Mandates



State funding for UN peacekeeping is flat or declining

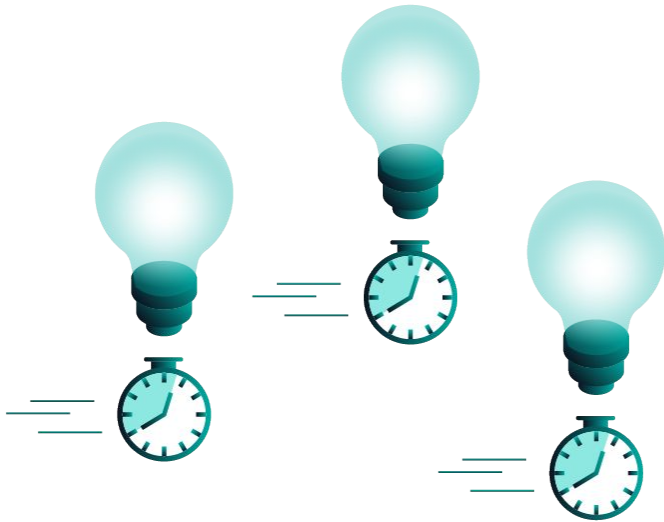
# Doing more with less



Only way to do more with less is to do it more effectively and efficiently – need better technology and partnerships for that!

Innovation requires  
Collaboration end-to-end

# (Too) Fast Technological Advancements



Technology moves so fast that no party can keep on top of it by itself

# Combination of Technology



More and more it is the combination of technologies that create disruptive change (e.g. blockchain + internet + tracking = new supply chain)

This requires a diversity of skillsets and expertise that no single party holds alone

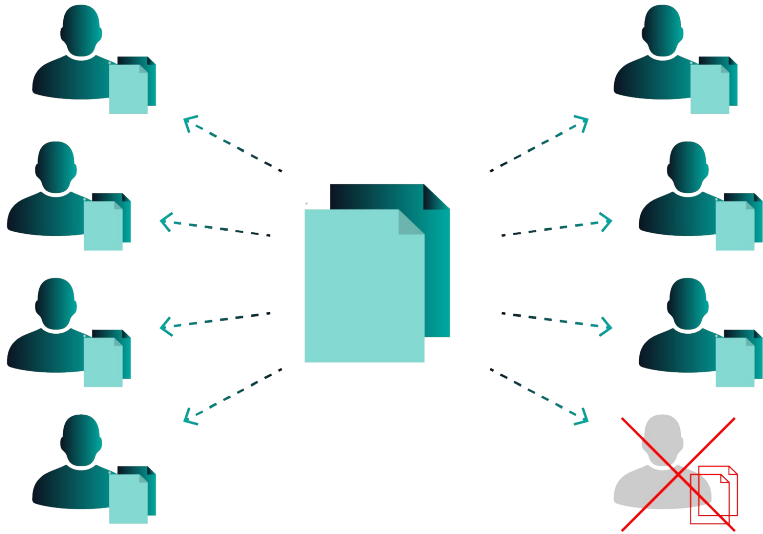
# Collaboration is innovation



We can't succeed w/o this network –  
the iterative collaboration IS the innovation

# What can blockchain and DLT do for UN Peacekeeping?

# What are Blockchain's?

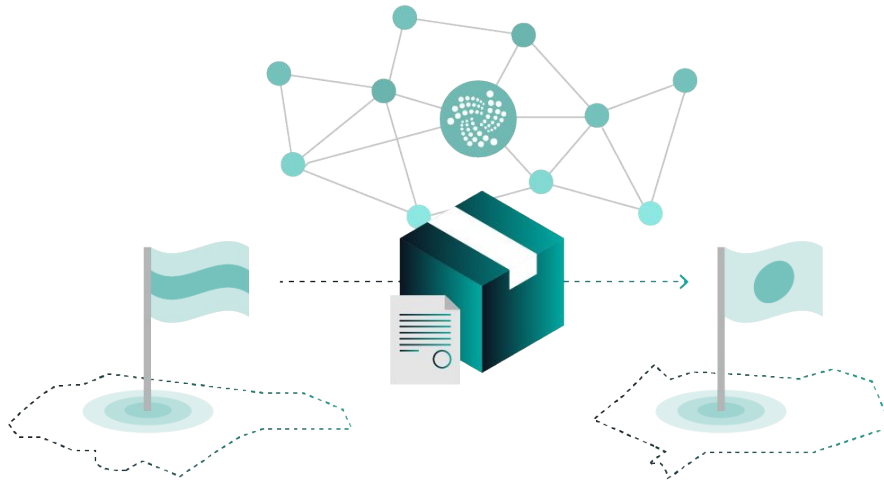


Data is **replicated** in a distributed network. Through **consensus**, the network comes to an agreement which data to store.

Through this, Blockchain's are a:

- Single Source of Truth
- Immutable and verifiable record of data

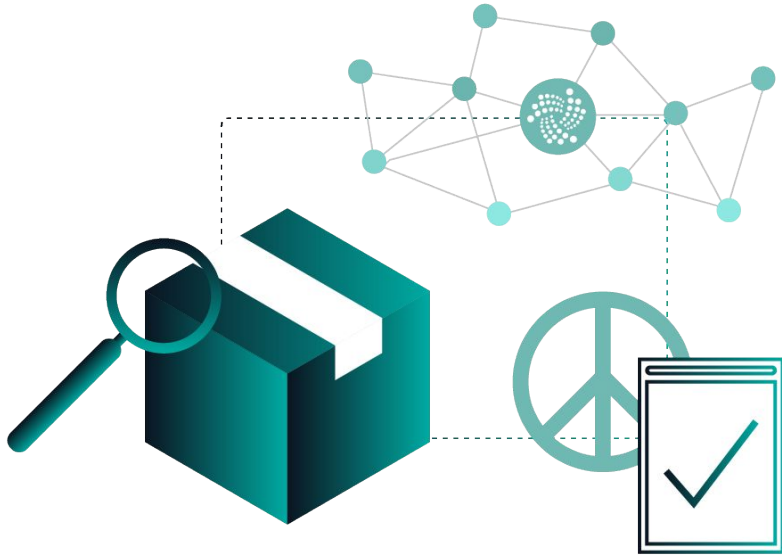
# Supply chain management & asset tracking



**substantially increase SITUATIONAL AWARENESS** by:

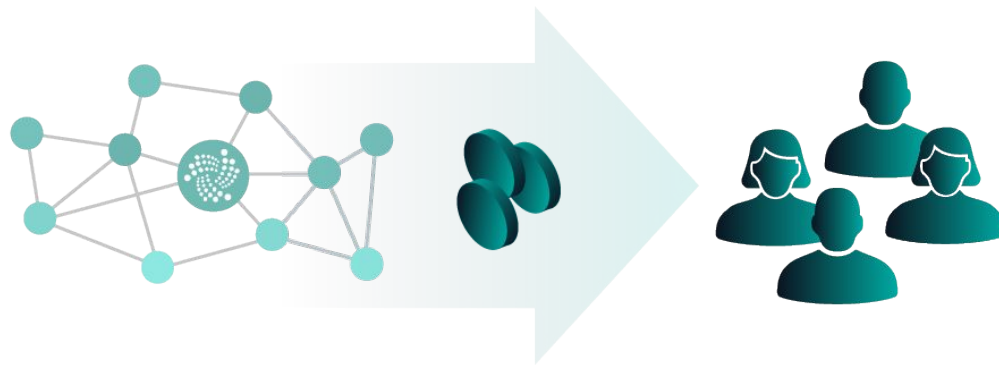
- keeping track of goods, services, people, and vehicles in fast, reliable, transparent way;
- sharing this information among all key players in a UN mission

# Track performance of disarmament commitments



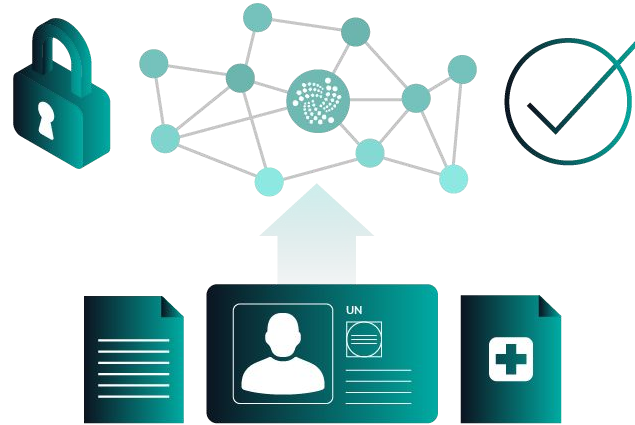
e.g. are the FARC weapons in Colombia actually being destroyed?

# Ease flow of money



Pay local contractors, workers, national employees etc in places where you have no established bank system

Manage personnel registrations, IDs, benefits, medical records, qualifications, or access rights



better security, more integrated & efficient management

# Improve stewardship and accountability while reducing “non-technical losses”



Make sure each stage of a complex UN contract is performed properly, complete with documentation and handover protocols to facilitate transparency and accountability

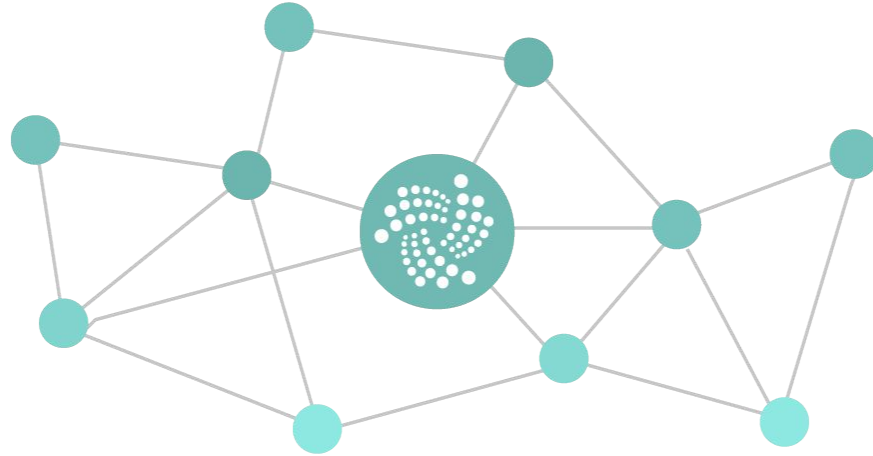
# Optimize field resource management



Improve efficiency of field operations by connecting sensors & sensor data & analyzing it in real time via machine learning to make best possible use of scarce resources for things like water, waste water, energy, etc at UN field sites

# The Future of Innovation

# The platform

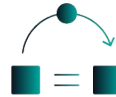
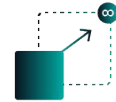
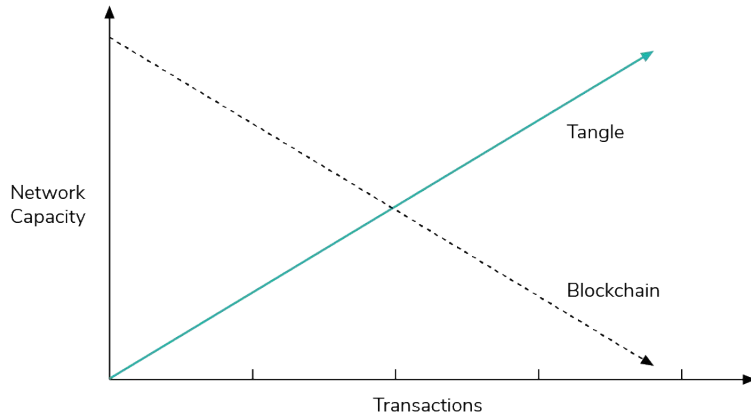


It's about bringing all of these things together on an integrated, scalable and future-proof technical platform

# IOTA Foundation

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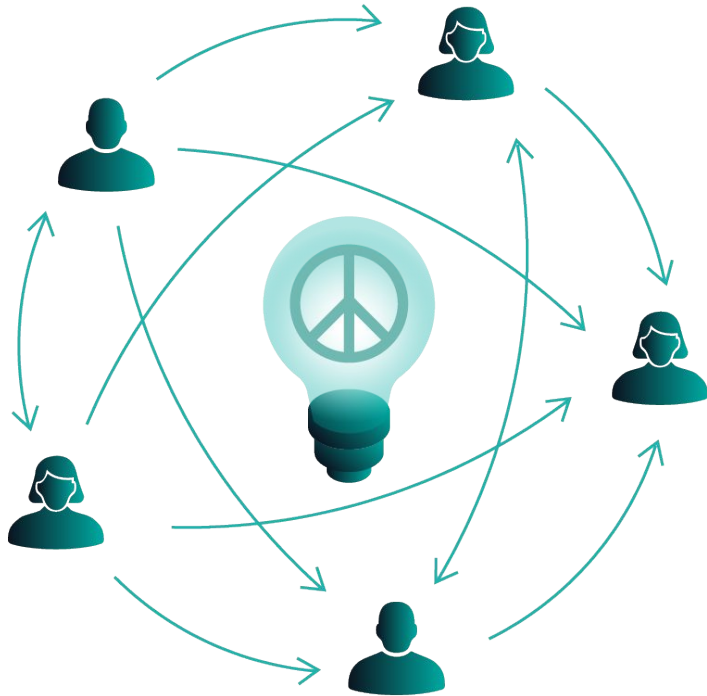
# A Technology for the Era of Trust



- Scalable
- Interoperable
- No Transaction Fees
- Secure and Decentralized



# Cooperative innovation in action



IOTA Foundation + Peace Innovation Foundation:

working as catalysts to bring together technologists, innovators and sponsors to find solutions for the UN's most complex challenges.

# Closing Announcement



Thank you!

# Questions?

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