

# AID:Tech

Empowering Through Transparency

Asian Development Bank

Philippines

March 5<sup>th</sup>, 2018



[www.aid.technology](http://www.aid.technology)

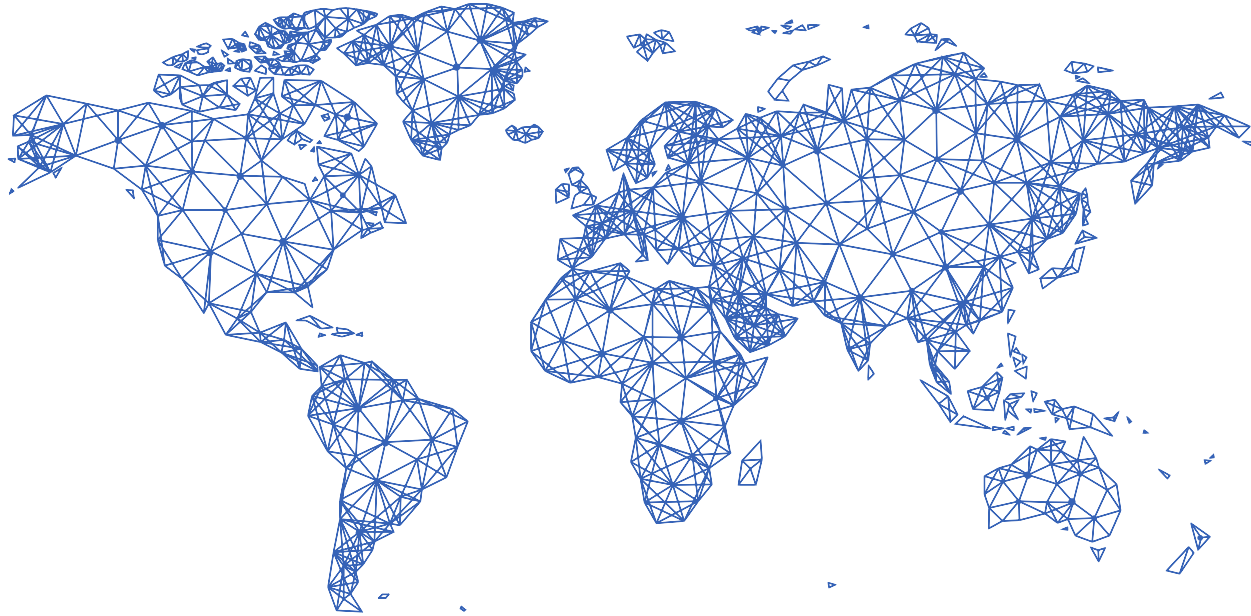
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# Company Purpose

**To Bring Social & Financial Inclusion to the World's  
Underserved Population Through Digital Identity**



# What is Blockchain?

According to the Bank of England a blockchain is:

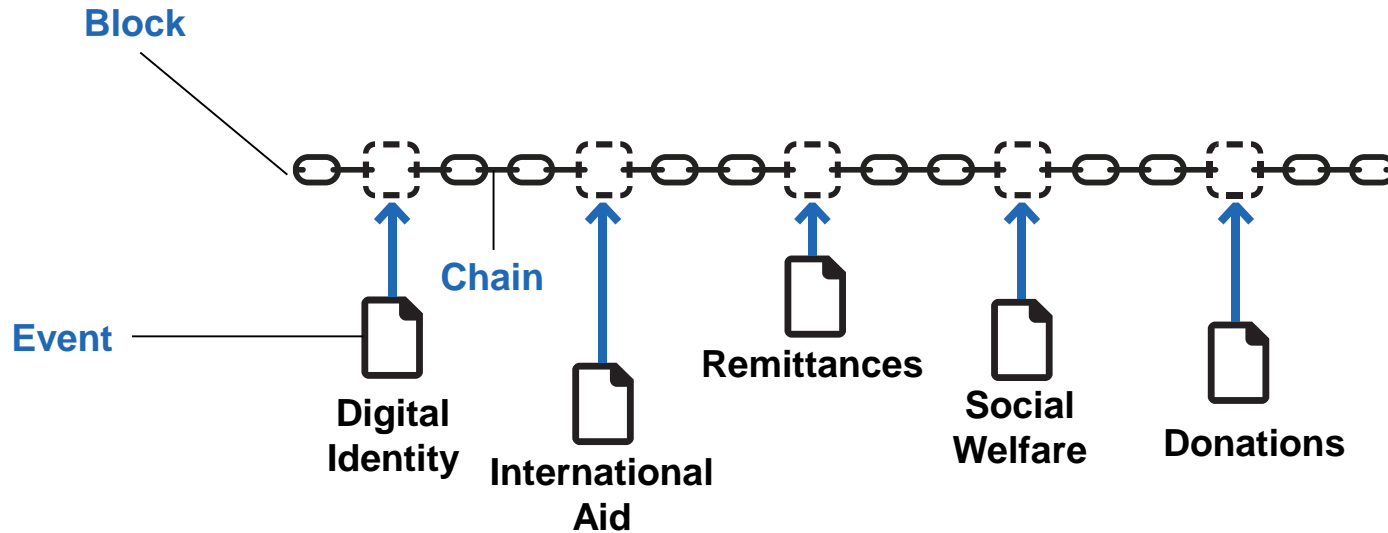
**“A Technology That Allows  
People Who Don’t Know  
Each Other To Trust a  
Shared Record of Events”**



**BANK OF ENGLAND**

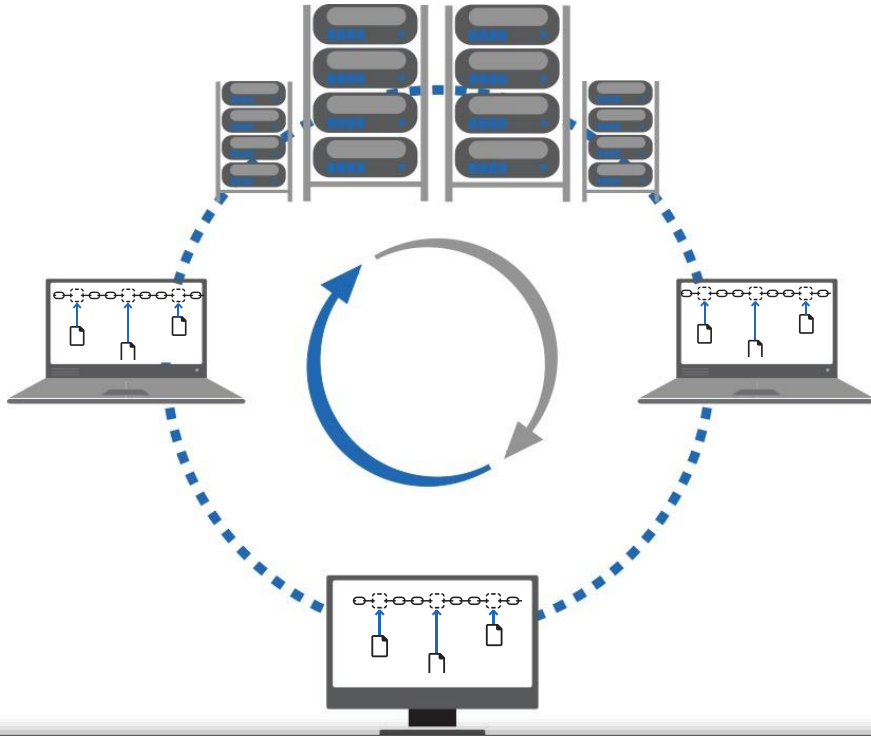
These Events are Recorded on

# Blockchain



The Blockchain is also known as

# Distributed Ledger Technology (DLT)



This shared ledger, is distributed to all participants in a network who use their computers to validate transactions and thus remove the need for a third party to intermediate.

# Bitcoin Vs Blockchain



Bitcoin Is a Protocol Blockchain Uses

The Leading Digital Currency

Numerous Consumer/SME and Financial Service Payment Applications, Particularly In Developing Economies

A Favourite for Speculators Given it's Volatility and Liquidity

Distributed Ledger with Cryptographic Integrity

Constantly Updated Ledger of All Transactions That have Ever Occurred

Transactions Processed in a Decentralized, Trustless Manner

Cloud Based Peer to Peer Ledger



# AID:Tech Background



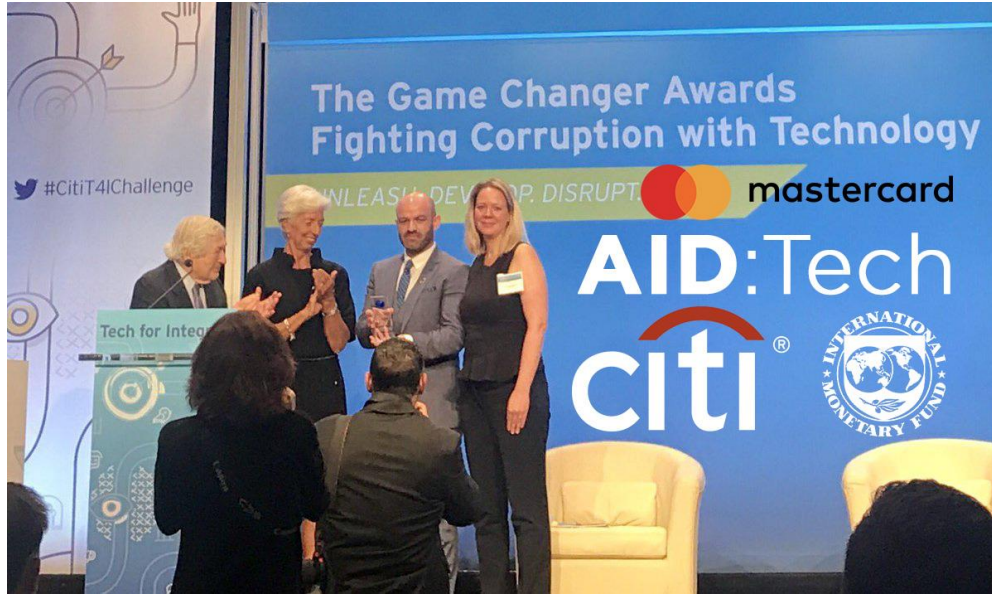


## Marathon Des Sables 2009

151 Miles

\$122,000

# Citi Tech4Integrity Global Game Changer Award 2017



# MasterCard's Company of The Year 2017



mastercard

# UN SDG Pioneer for Blockchain Technology



**AID:Tech CEO Joseph Thompson is the United Nations Global Compact 2017 SDG Pioneer for Blockchain Technology**

# Islamic Development Bank Global Winner



**AID:Tech**

**INCEIF**  
THE GLOBAL UNIVERSITY OF ISLAMIC FINANCE



WHO WE ARE ▾

WHAT WE DO ▾

WHERE WE WORK ▾

NEWS ▾

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RESOURCES LIBRARY

## IFRC BLOCKCHAIN APPLICATION WINS GLOBAL ISLAMIC FINANCE COMPETITION

*Geneva, 09 February 2018*—An online blockchain application that promotes the traceability and transparency of Islamic social financing has won first prize in a competition organized by the Islamic Development Bank Group and the IE Business School in Madrid.

The application was developed by the global innovation team of the International Federation of Red Cross and Red Crescent Societies and AidTech. It offers individuals and organizations the ability to track their contributions in highly complex humanitarian settings, providing an unparalleled level of transparency, and laying a platform for increased trust between humanitarian organizations and the Islamic social financing world.

### Media contacts

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# Awards Ceremony AID:Tech

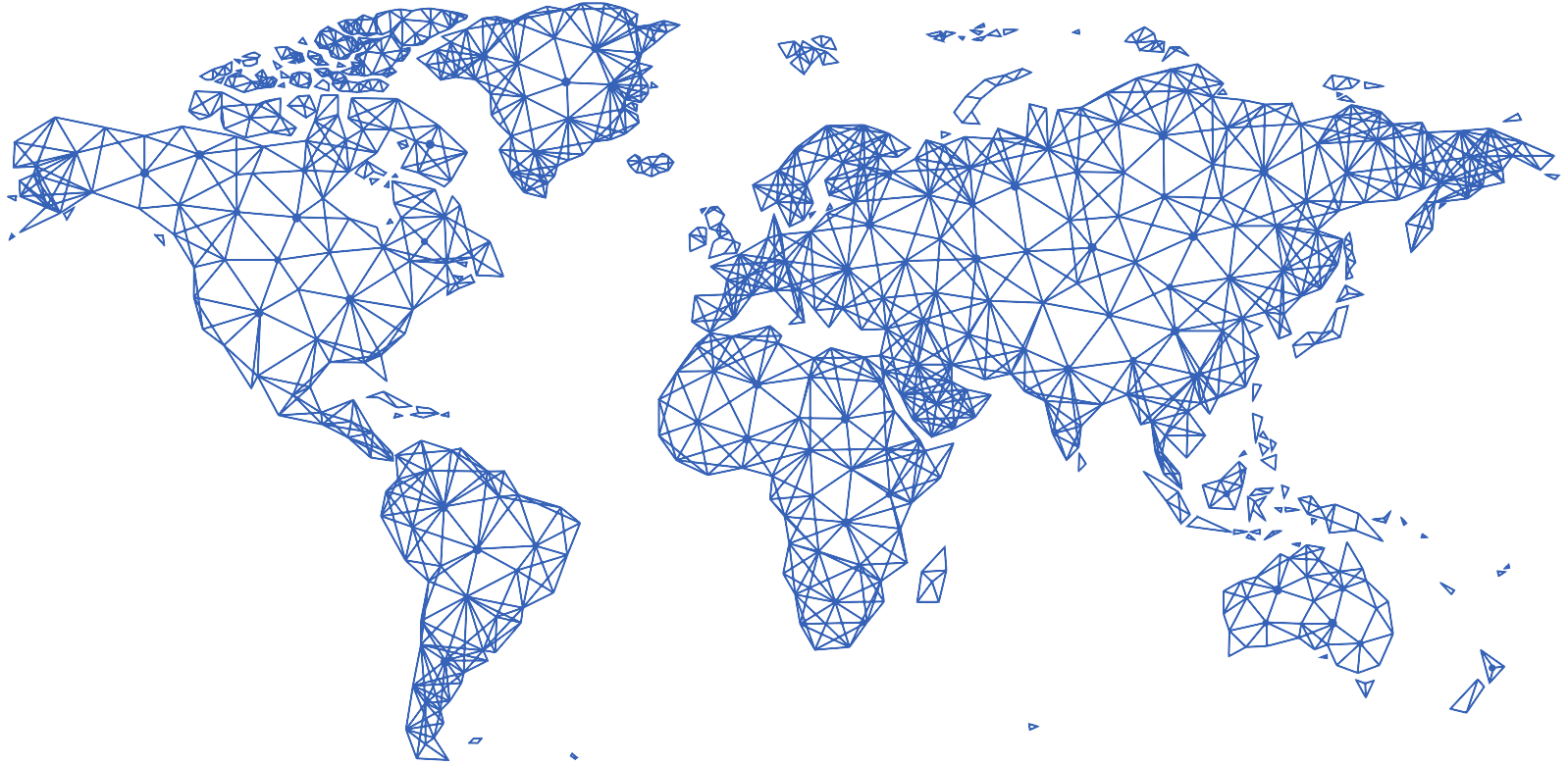


aunchfest

**IBM #1 Global Startup 2017**



**Global Winner**



# AID:Tech Background & Applications



# SUSTAINABLE DEVELOPMENT GOALS

**16** PEACE AND JUSTICE



**16.9**

Provide legal identity to all, including birth registration, by 2030

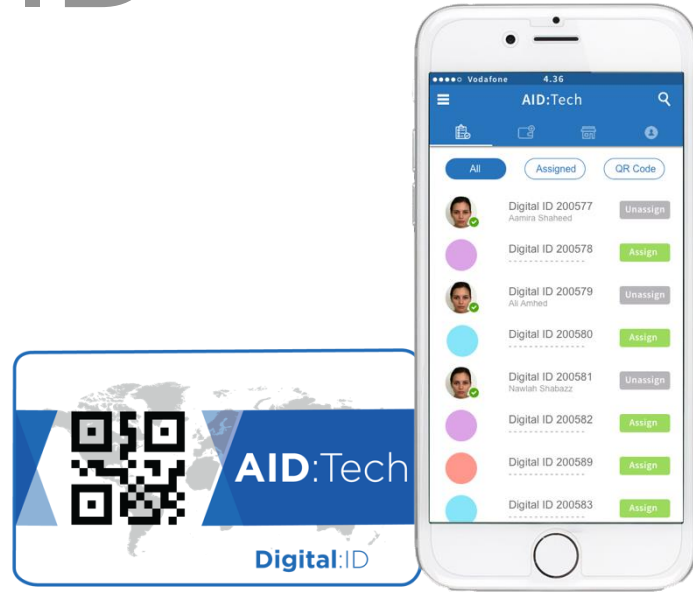
**2.4 bn**

Without a legal ID



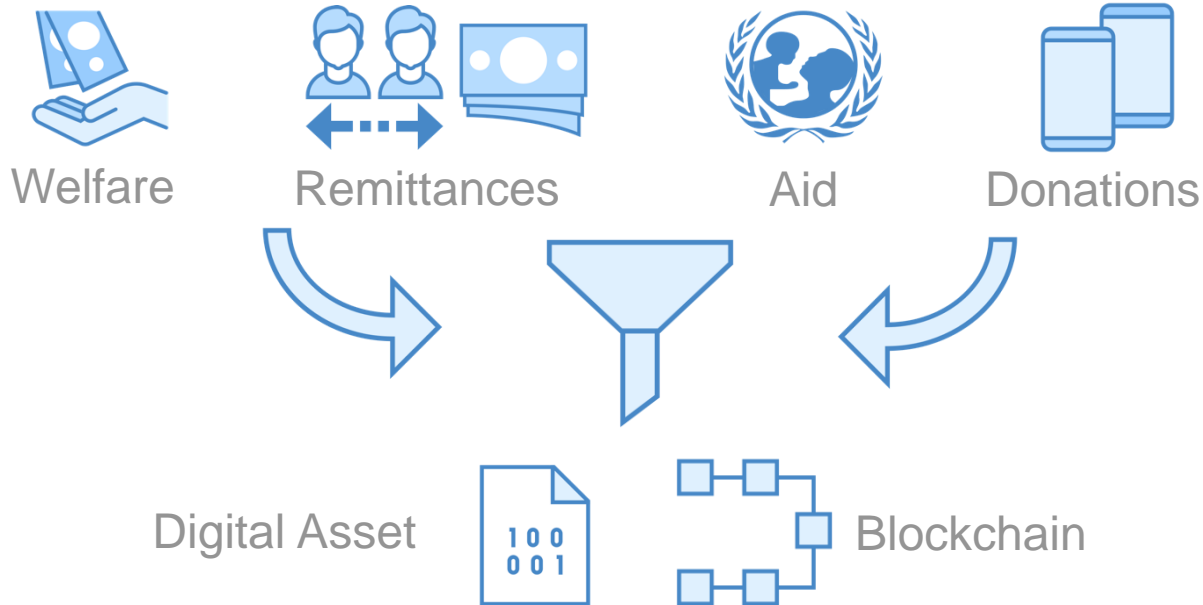


# Digital ID



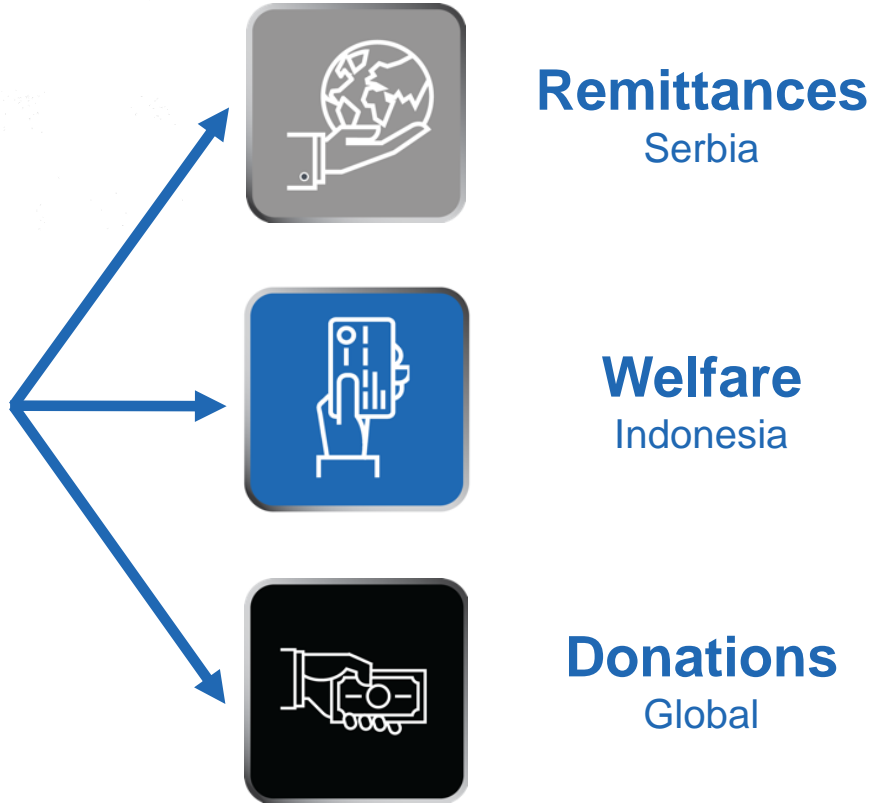
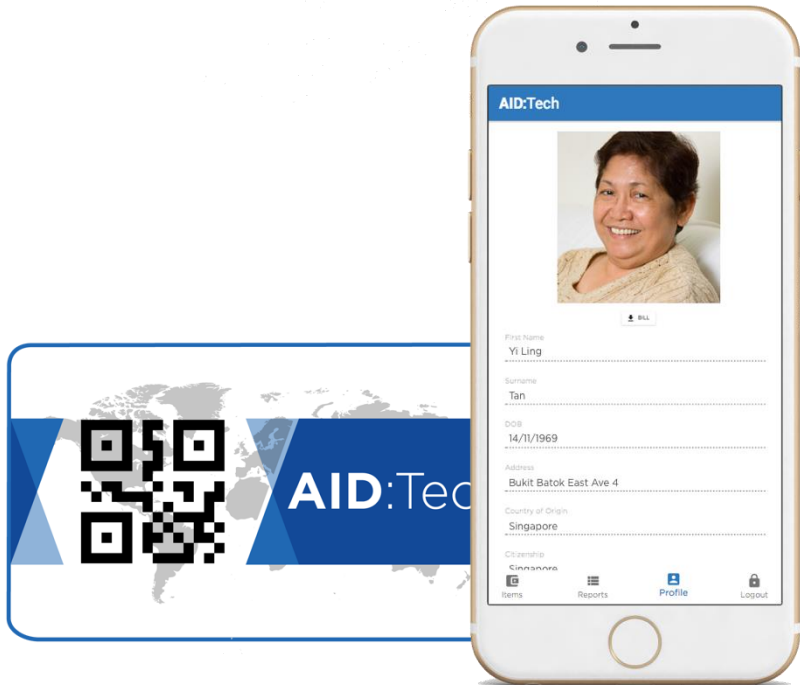
**Blockchain Based Digital Identity to Receive Digital Entitlements Transparently & Efficiently**

# Solution

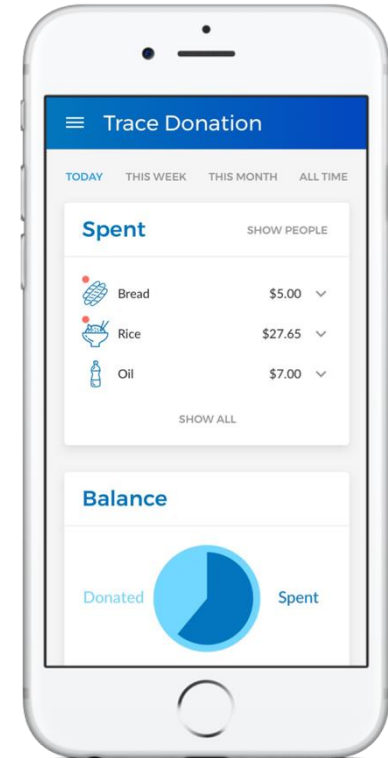
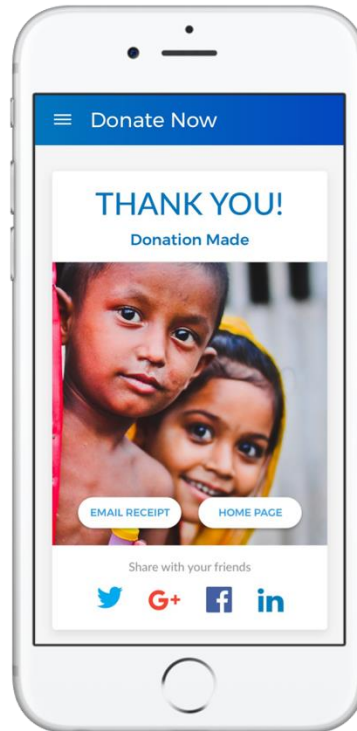


With AID:Tech's Platform **Entitlements** are Represented as **Digital Assets**. **Blockchain** Technology is Used to Send and Receive these Entitlements

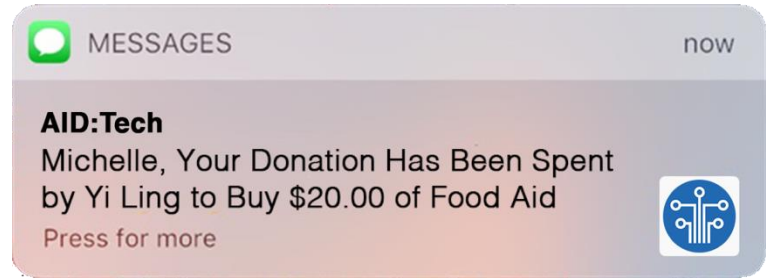
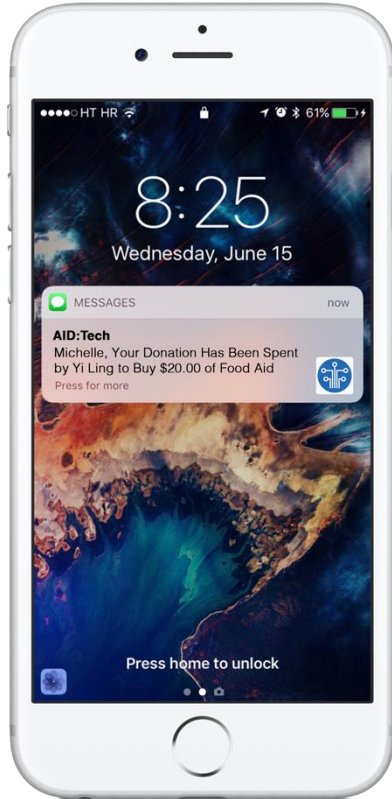
# Digital Identity



# Donation App



# Donor



# 100% Transparency



# AID:Tech Projects and Use Cases



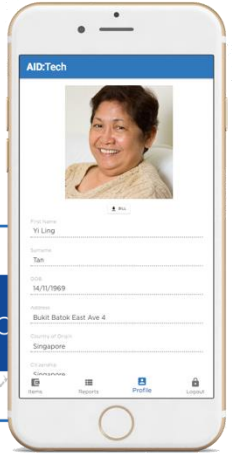
# SUSTAINABLE DEVELOPMENT GOALS

<b>1</b> NO POVERTY 	<b>2</b> NO HUNGER 	<b>3</b> GOOD HEALTH 	<b>4</b> QUALITY EDUCATION 	<b>5</b> GENDER EQUALITY 	<b>6</b> CLEAN WATER AND SANITATION 
<b>7</b> RENEWABLE ENERGY 	<b>8</b> GOOD JOBS AND ECONOMIC GROWTH 	<b>9</b> INNOVATION AND INFRASTRUCTURE 	<b>10</b> REDUCED INEQUALITIES 	<b>11</b> SUSTAINABLE CITIES AND COMMUNITIES 	<b>12</b> RESPONSIBLE CONSUMPTION 
<b>13</b> CLIMATE ACTION 	<b>14</b> LIFE BELOW WATER 	<b>15</b> LIFE ON LAND 	<b>16</b> PEACE AND JUSTICE 	<b>17</b> PARTNERSHIPS FOR THE GOALS 	

**THE GLOBAL GOALS**  
For Sustainable Development

# Blockchain + Digital ID for SDGs

AID:Tech



AID:Tech





# International Aid: Lebanon



## SUSTAINABLE DEVELOPMENT GOAL 16

Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels





# Lebanon Project Results



\$10,000 Donated To 100 Syrian Refugee Families



All 500 Vouchers Redeemed



Partnered With Local Supermarket in Tripoli, North Lebanon



20 Fraudulent Vouchers Created. All Failed At Point-Of-Sale



Distributed 500 Intelligent Vouchers Worth \$20 Each



All Transactions Monitored In Real Time By Irish Red Cross



10 Minutes To Train Cashiers To Understand Simple Solution



Participating Refugee Families Expressed Great Satisfaction

# Social Welfare: Ireland

## SUSTAINABLE DEVELOPMENT GOAL 8

Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all



Society of St. Vincent de Paul

# Social Welfare

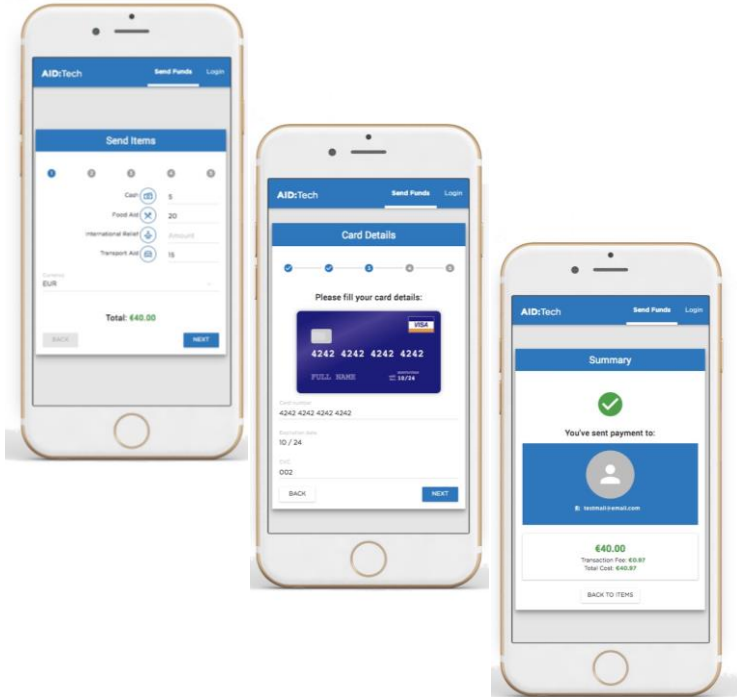


Vouchers distributed to women in travelling community

Simply consisted of a 'QR' code

Each code was the digital equivalent of between 5 – 50 euro

# International Remittances: Serbia



## SUSTAINABLE DEVELOPMENT GOAL 10

Reduce inequality within and among countries



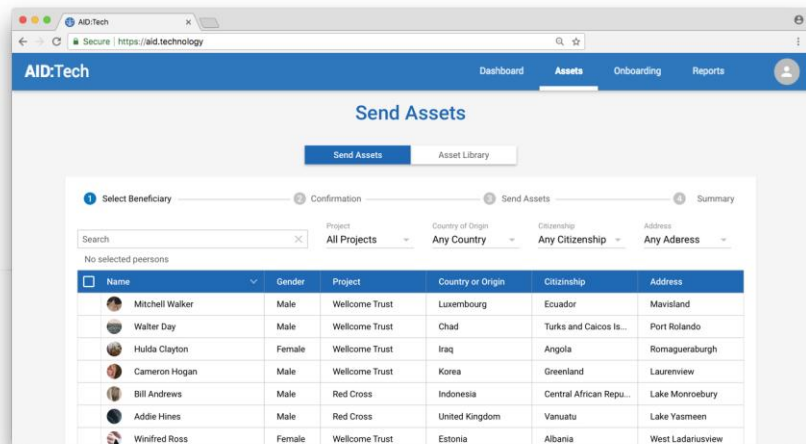
Provide affordable & traceable remittance services (<3%)

Stakeholders use big data to gain insights into remittance flow

Platform integration with Stripe

22 country MoU signed

# Social Welfare: Indonesia



## SUSTAINABLE DEVELOPMENT GOAL 8

Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all



Provide social welfare delivery services for Government bodies

Grant funding from EXPO2020 (Dubai Government)

# Mother – Child Birth Registration: Tanzania



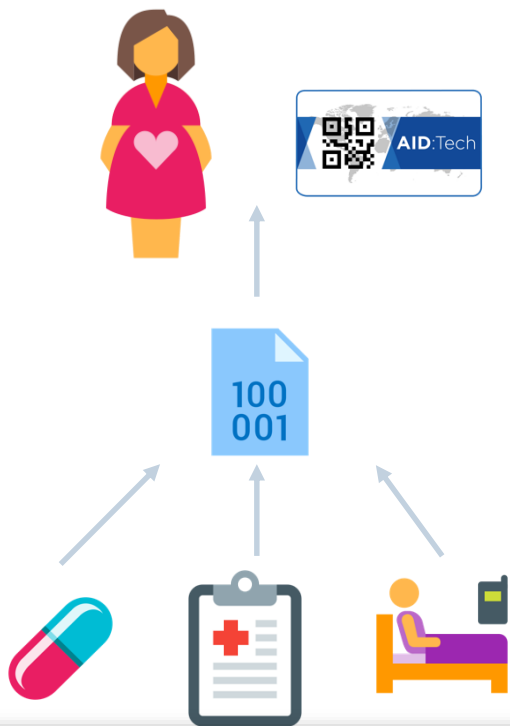
**SUSTAINABLE DEVELOPMENT GOAL 3:**  
Ensure healthy lives and promote well-being for all  
at all ages



**Target 3.2** By 2030, end preventable deaths of new-born's and children under 5 years of age, with all countries aiming to reduce neonatal mortality to at least as low as 12 per 1000 live births and under-5 mortality to at least as low as 25 per 1000 live births.



# Healthcare Entitlements

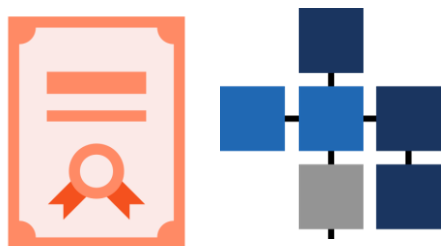


With blockchain healthcare entitlements are represented as Digital Assets

These are distributed manually (Health Clinic employees) or automatically (blockchain smart contract)

Movement of assets stored on ledger, thus allowing complete end-to-end transparency

# Smart Contracts



*E.g. If patient is at week 4  
Of pregnancy, send  
Prenatal Digital Asset*



With Blockchain Smart Contract, Digital Asset sent at predefined time intervals

E.g. Prenatal visit sent to Digital ID holder so that they can obtain visit from clinic

Smart Contract configured to align with a patient treatment journey e.g. pregnancy

IF, THEN, ELSE statements

# Partners



Enterprise  
Ireland



PwC  
USA



Citi



mastercard

Mastercard



IFRC



UNDP



MIT

MIT  
INITIATIVE ON THE  
DIGITAL ECONOMY

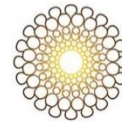


St. Vincent de Paul's  
Disaster Services Division

SVdP DSD USA



Rockefeller Foundation



إكسبو 2020  
دبي، الإمارات العربية المتحدة  
DUBAI, UNITED ARAB EMIRATES

EXPO 2020 Dubai



# AID:Tech



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