



THE WORLD BANK

2020 MISSION BILLION CHALLENGE: WURI WEST AFRICA PRIZE

How can informal sector
workers in West Africa more
easily participate in social
protection programs?

MISSION
BILLION

ID4D



Tonti +

One-line solution summary:

- Tonti + provides motorcycle taxi drivers with saving services and a social safety net through daily participation in a digital tontine

About the solution:

- Zémidjans are motorcycle taxi drivers who, as informal sector workers, do not typically benefit from social protection. Instead, they typically create groups (tontines) to organize pooling of savings and credit
- However, challenges with collecting and distributing the cash, with defaulting from participants, and with theft by treasurers have led to tontines becoming less effective
- Tonti + provides savings and credit facilities, as well as social benefits, overcoming some of the challenges tontines face



Full Solution Application:

<https://solve.mit.edu/challenges/wuri-mission-billion-2020/solutions/35673>

Universal Social Protection Wallet

One-line solution summary:

- Social protection digital platform using f-ID enabling flexi-pay for inclusivity of informal worker & behavioral nudging to inspire saving

About the solution:

- Supports short-term savings, pensions and microcredit services
- Incentives to encourage persistent savings
- One-click contribution through digital payments, including mobile money, and flexi-payment system allows for users to withdraw and make payments of any amount whenever they want
- Collaboration with social registries, supporting identification of vulnerable participants and helping governments disburse relief payments
- Tech-based, user-centric solution connects with telcos & communicates over WhatsApp/SMS-Bot/USSD using basic phones, by leveraging foundation-ID (which enables self-activation)



Full Solution Application:

<https://solve.mit.edu/challenges/wuri-mission-billion-2020/solutions/32566>

Townpay

One-line solution summary:

- Townpay offers digital identification, insurance plan membership, retirement savings and retirement solutions

About the solution:

- The goal of this solution is to support the c.80% of African economic agents who do not benefit from social and financial protection
- Goal to help informal sector workers cope with shocks, such as COVID-19, and contribute to a long term economic plan to facilitate retirement
- Technology can be used in offline mode to support rural use
- Flexible contribution system allows adaptation to suit wide range of users



Full Solution Application:

<https://solve.mit.edu/challenges/wuri-mission-billion-2020/solutions/35555>

NaYa Limited

One-line solution summary:

- African Tontines offers a saving formula for vulnerable informal workers in West Africa, providing safety nets and emergency funds for healthcare access

About the solution:

- Digital health credit (offered in Cameroon) does not require recipient to provide collateral or cash
- Proposal to add matched digital health credit to savings contributions, which will ensure affordable access to care while incentivizing workers to maintain participation
- Accumulated members' savings and matched contributions serve as a basis for universal basic social benefits for informal workers when earnings are disrupted



Full Solution Application:

<https://solve.mit.edu/challenges/wuri-mission-billion-2020/solutions/31834>

MiKashBoks

One-line solution summary:

- MiKashBoks is a full-stack digital social finance platform bringing online trust-based peer groups to save, borrow, & access value-additions

About the solution:

- Solves challenges of identity verification, collateral availability and poor prior experience that have faced traditional trust models
- Helps communities of informal workers build digital assets - financial histories from existing informal transactions in peer groups operating on trust and social bonds
- Supports users to leverage the trust they build up through using the app for greater access to formal financial tools and public goods
- Social engineering strategies like the common group feed, setting goals, gamification and nudging replicate trust and promote engagement
- Offline-first mobile app with SMS and IVR as alternative interfaces increases the accessibility of the service



Full Solution Application:
<https://solve.mit.edu/challenges/wuri-mission-billion-2020/solutions/34626>

Naa Sika

One-line solution summary:

- Naa Sika provides a micro savings platform to increase accessibility of financial services such as savings and withdrawals

About the solution:

- Digital finance services are designed for mostly high-income people with salaries, and are not competitive with many of the informal money management techniques that have been used by the mass market for years.
- Low-income earners have more volatile incomes and expenditure that need a complex financial management technique.
- Micro savings account has no limits on deposit size or balance, and does not apply maintenance or service fees
- Two types of accounts offered – Wallet and Savings Account



Full Solution Application:

<https://solve.mit.edu/challenges/wuri-mission-billion-2020/solutions/34558>

Micro Pensions for Retirement Resilience

One-line solution summary:

- Micro Pensions for Retirement Resilience offers digital pension products to support retirement for informal sector workers in Ghana

About the solution:

- 85% of Ghanaian informal sector are not covered by existing voluntary contribution pension schemes due to irregular income, self-employed status, lack of organisation and access challenges
- Pension products utilizing USSD technology to provide secure accessibility even without internet connectivity
- Strategic collaborations to reach large subscriber bases with pension products
- Aiming to expand to reach at least 5 million informal sector workers in 10 countries by 2027



Full Solution Application:

<https://solve.mit.edu/challenges/wuri-mission-billion-2020/solutions/27879>