MOSIP connect

Building Sustainable Digital ID Capacity in Africa

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MOSIP Connect, Morocco - Feb 2026

UPANZI DIGITAL PUBLIC INFRASTRUCTURE NETWORK

Carnegie Mellon University Africa

MSC MicroSave Consulting

Imagine Africa Went Fully DPI Overnight…

image: freepik.com

Who will maintain, upgrade and secure the DPI?

Are we ready to reap all the promised benefits of DPI?

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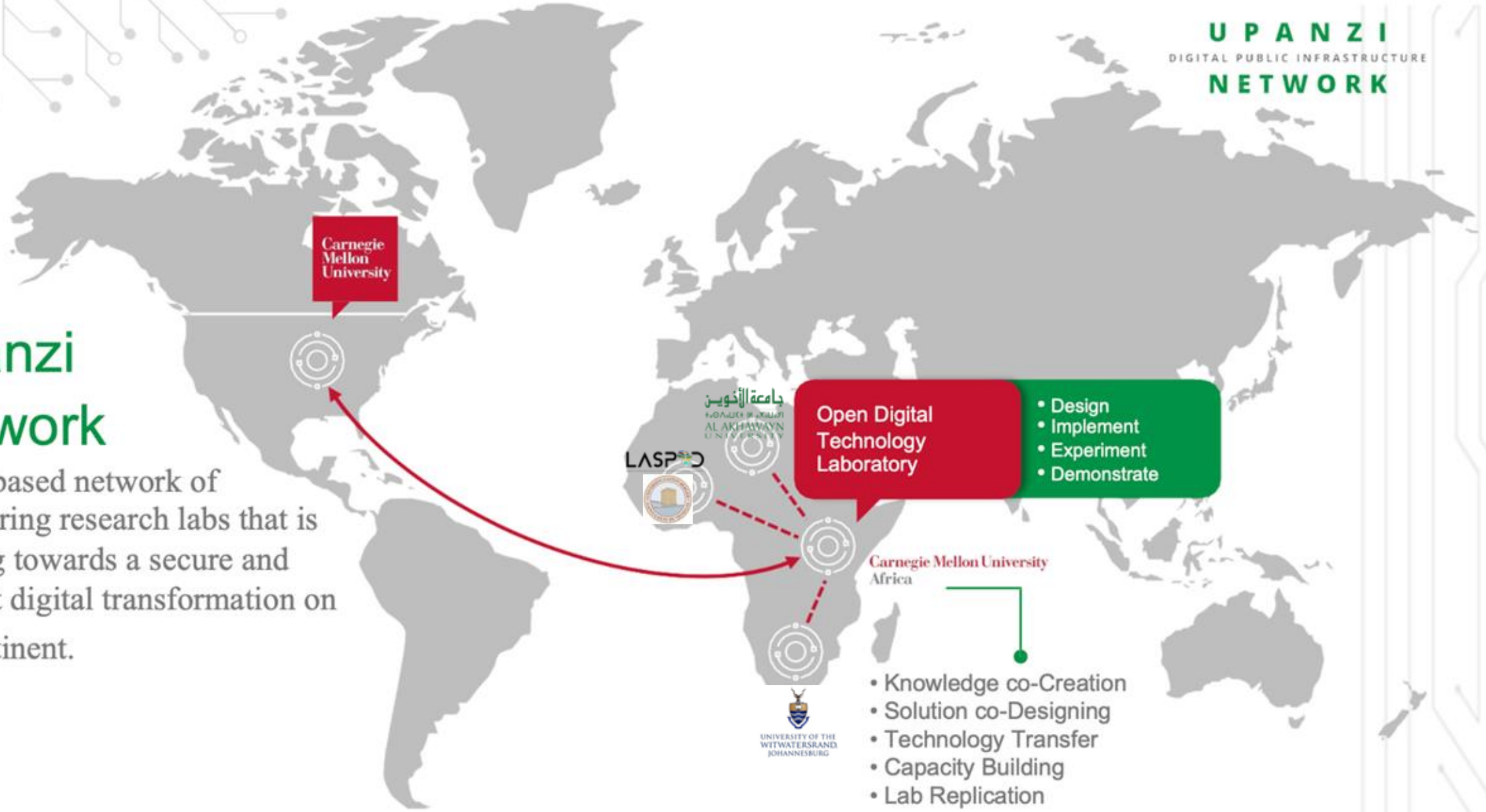
Upanzi Network

Africa-based network of engineering research labs that is working towards a secure and resilient digital transformation on the continent.



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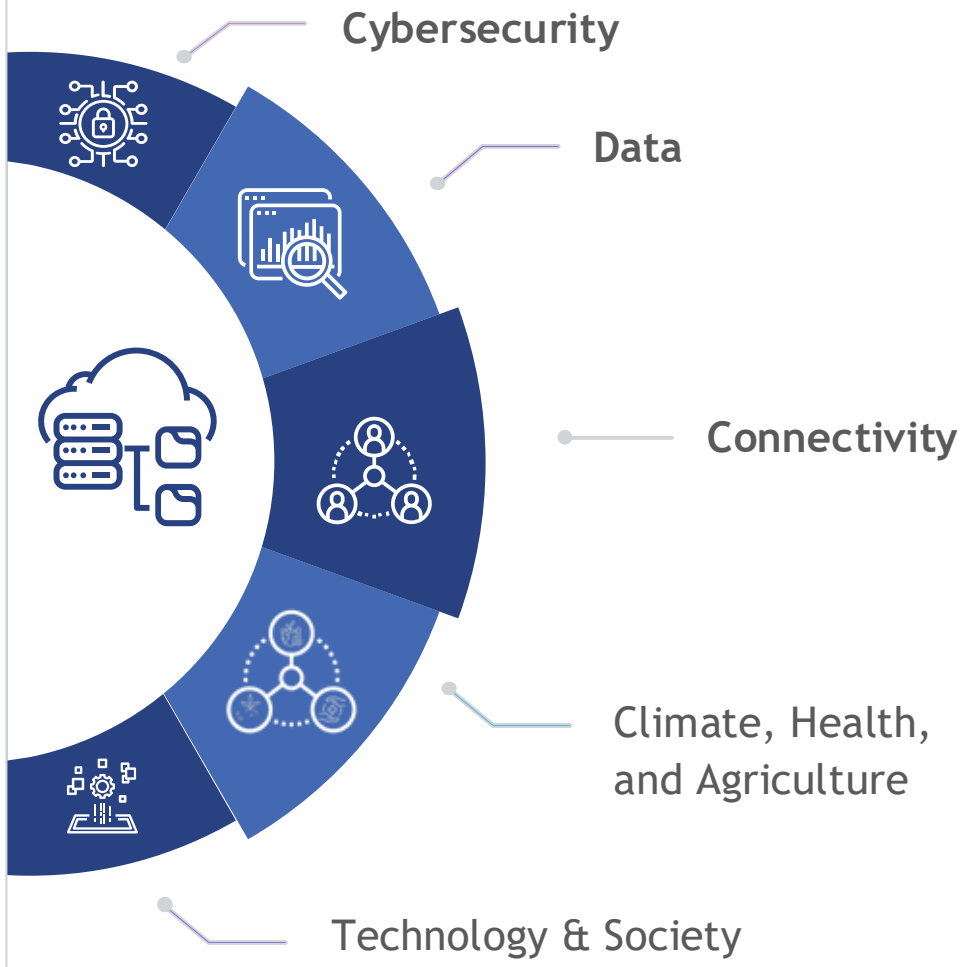
Focus Areas of the Upanzi DPI Network

Digital ID

- Cross-Border interoperability
- *MOSIP* ID Platform
- Verifiable credentials
- Events Biometric Authenticator
- Bias in biometric devices
- ID and Data Policies
- Enhancing ID registration and user grievance management

Digital Public Infrastructure



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Hackathon for Building Capacity and Use-cases

The success and impact of a national digital ID program are dependent on its use cases and not simply on its national roll-out and coverage.

There needs to be a grassroots local knowledge capacity that understands both digital ID and the nuances of their respective countries' challenges and culture.

Zero operational use-cases of digital ID in agriculture and only three in education and healthcare.

Without a local contextually aware capacity, Africa will forever rely on external support for this crucial public infrastructure.

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Hackathon Cycle

Launch — Idea Submission — Prototyping — Regional Semis — Continental Finals — **Community**

Education, Mentorship, Opportunity

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2025 At a Glance

Undergraduate, graduate or doctoral levels students from eligible countries.

(At least one participant in the team must be a female.)

20+ Countries participated	**600+** Participants
80+ Ideas submission	**30%** Female participation

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Key Use-cases from the Africa Digital ID Hackathon 2025

Agriculture and Climate Change

Healthcare

Access to Public Services

Cities and Public Transport

Education and Employment

Property and Asset Management

Finance and Telecom

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Life After The Hackathon

Conference Paper

NourID+:A Digital Energy Identity Framework for Efficient Subsidy Allocation in Morocco

October 2025

DOI:10.1109/CiSt65886.2025.11224106

Conference: 2025 IEEE 8th Congress on Information Science and Technology (CiSt)

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Placed 1st and 2nd in N.Africa

Placed 2nd in Africa

جامعة الأخوين
AL AKHAWAYN UNIVERSITY

Digital Innovation Laboratory

Completed internships

Won Best Paper at Sth IEEE CiSt

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Carnegie Mellon University Africa

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Follow us to stay updated

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The Upanzi Network at CMU-Africa

Join the hackathon

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Senegal - RETRO

Problem Statement

- Blood shortages across Africa limit healthcare systems' ability to handle emergencies
- Senegal has only 6 donors per 1000 people (WHO recommends 10)
- Poor coordination between donors and blood banks worsens crisis situations

LifeLink is a digital platform connecting blood donors to banks, using secure ID to streamline donations and alert compatible donors during emergencies.

1. Digital ID in our solution enables secure authentication, controlled information sharing, and access to rewards with verified partners.

2. Educational approach breaking blood donation taboos through local language support and voice interfaces (in development), making the service highly accessible across African communities.

3. Future integration of predictive analytics to anticipate blood shortages, enabling healthcare facilities to plan proactive collection campaigns before critical situations arise.

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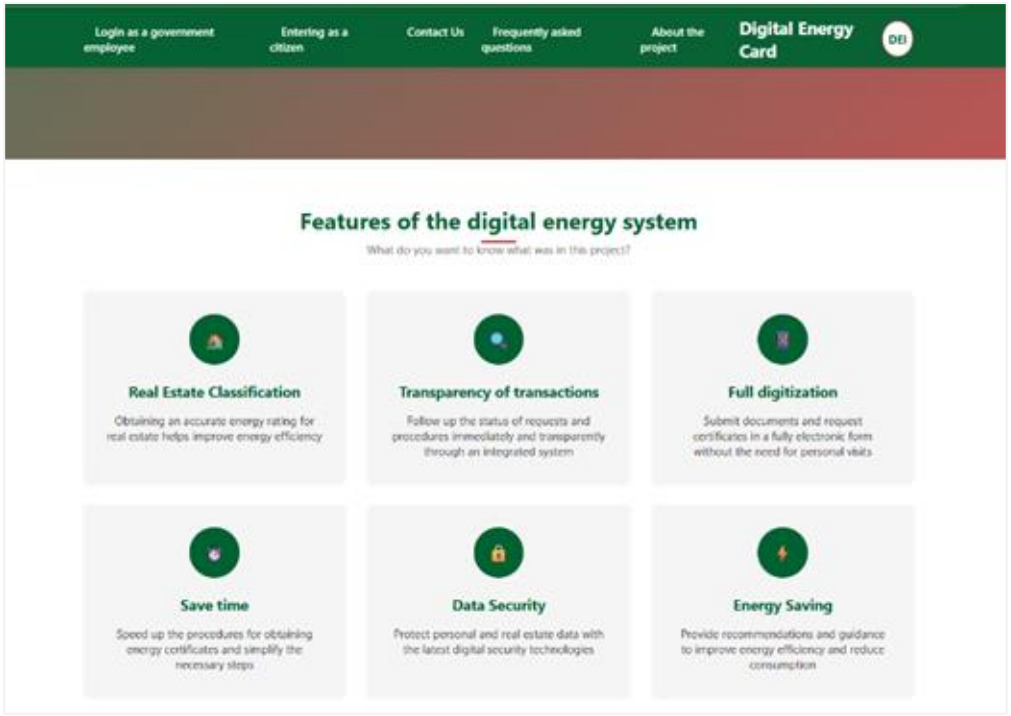
Northern Africa

Team NourID+

Problem Statement

- Unified Energy Tracking
- Smart Monitoring & Alerts
- Subsidy Access & Sustainability



Solution Overview

1. Enables accurate tracking of energy consumption for every registered property through a unified Digital Energy ID.

2. Provides real-time monitoring and intelligent alerts to help SRMs optimize energy use across homes and farms.

3. Links verified energy data to subsidy programs, promoting transparency and supporting Morocco's green energy goals.

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