TANZANIA is among the TOP **3** *INNOVATION LEADERS in Sub-Saharan Africa*

CONTEXT

In recent years, Tanzania has embarked on an innovation-oriented development path emphasizing the importance of e-governance, robust private sector and reliable digital infrastructure. At the same time, the country's economy has been facing a number of challenges preventing it from making a leap to the next level. Those are associated with labor market shortages in highly skilled professionals, insufficient entrepreneurship incentives, particularly in the technology and innovation sector, as well as limited scope of reforms in e-governance. Yet, Tanzania is among the top 3 innovation leaders in Sub-Saharan Africa, only outranked by South Africa and Kenya. Introduction of state-of-the-art technologies, such as blockchain, could provide a major boost to digitalization and innovation-driven entrepreneurship, while also ensuring efficient and secure provision of public services to citizens.

UNITED NATIONS
INDUSTRIAL DEVELOPMENT ORGANIZATION

Vienna International Centre
P.O. Box 300, 1400 Vienna, Austria
Telephone: (+43-1) 26026-5090
E-mail: iump@unido.org
www.unido.org

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TANZANIA

ESTABLISHMENT OF A CROSS-BORDER BLOCKCHAIN NODE

TAKING YOU AND YOUR INDUSTRY TO THE NEXT LEVEL

UNITED NATIONS
INDUSTRIAL DEVELOPMENT ORGANIZATION

TARGET BENEFICIARIES:

GOVERNMENT

Industry
-
Energy
-
Science
-
Technology
-
Communications
-
Transport

ACADEMIA

Experts
-
Researchers

COMMUNITY

Start Ups
-
SMEs

INSTITUTIONS

Standards bodies
-
Industrial associations
-
Technology institutes

STRATEGY

In cooperation with the beneficiary, the National Institute of Transport (NIT), the project will leverage Slovenian expertise in setting up blockchain infrastructure (SI-Chain on Hashnet protocol) to establish a blockchain knowledge hub and design a nation-wide training programme that meets the country's specific needs in bridging knowledge gaps for efficient management and application of the blockchain technology. NIT is a leading academic institution in Tanzania that specializes in producing competent professionals to promote innovation and sustainable development in the country.

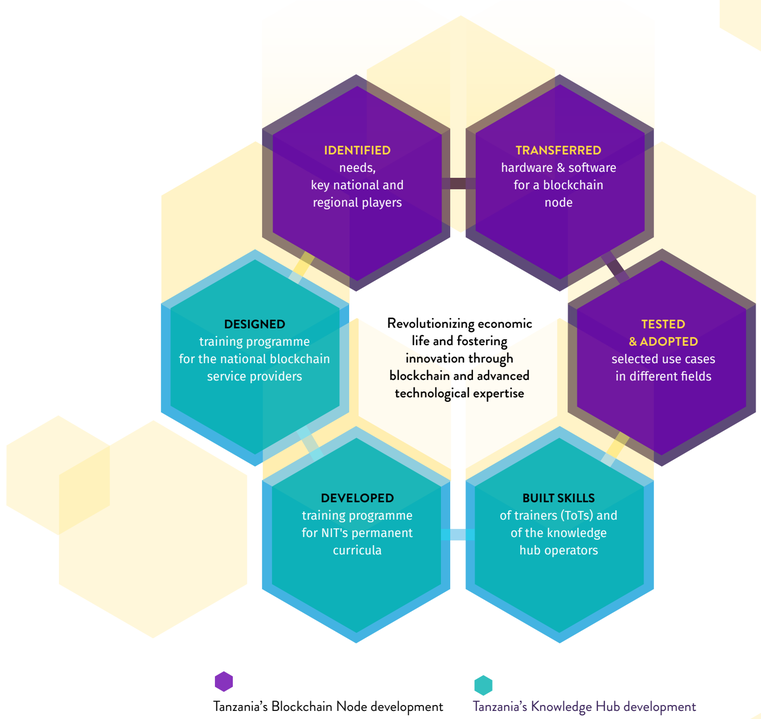
As the project's government coordinating agency, the Ministry of Information, Communication and Information Technology of Tanzania plays a pivotal role in promoting digitalization, and technology adoption towards a smoother 4IR transition. The Ministry's partnership with UNIDO aims to strengthen national capacities to adopt blockchain technologies while upgrading the country's skills base.

SI Chain
High-Capacity Blockchain

SI Chain is Slovenia's national blockchain infrastructure project, providing a high-speed and high-capacity blockchain network. It is the first-of-its-kind national blockchain infrastructure service powered by the Hashnet protocol, allowing developers in both the public and private sectors to test their applications.

Hashnet protocol
Security and Transparency

Is a Distributed Ledger Technology (DLT) that is faster and more energy-efficient than other DLT solutions. It enables the establishment of smart contracts. The protocol is particularly efficient for high-speed transactions, it ensures a secure network by preventing manipulation of transactions or their order.



EXPECTED RESULTS

The project will contribute to implementation of the National Five-Year Development Plan by boosting Tanzania's economic performance and market access through an improved environment that offers blockchain-powered verification, interoperability and reliability.

Targeted efforts will be channelled to ensure relevant knowledge transfer to foster the uptake of digital and 4IR technologies. As a result, the project is expected to help transform and optimize processes related to E-governance, increasing efficiency of public services, while also reinforcing competitiveness and driving innovation of SMEs based on improved access to blockchain infrastructure.

EMPOWERING TANZANIA'S FUTURE:

E-GOVERNMENT
IS RELIABLE AND EFFICIENT

NATIONAL EXPERTISE
IS TECHOLOGICALLY REINFORCED

TRANSACTIONS
ARE FASTER AND SECURE

BUSINESS
ARE INNOVATIVE AND COMPETITIVE

ECONOMIC INCLUSION
OF VULNERABLE SOCIAL GROUPS

GLOBAL MARKET POSITIONING
IS STRENGTHENED

The project-supported Blockchain Hub will be the first in its kind in Tanzania to serve various productive SMEs and other economic operators in the country as well as in the region