

Category 11. Water and Sanitation

Flagship: Clean Water for All Campaign) – Smart WASH infrastructure and universal access to safe drinking water.

Strategic Imperative

Water and sanitation are not external commodities, they are **intrinsic to human dignity, survival, and productivity**. The **SIP-Alpha framework** recognizes that **humans are sanitation, and sanitation is human**: it is embedded in our DNA, shaping health outcomes, workforce capacity, and social cohesion.

Unsafe water consumption and poor sanitation practices remain among the leading causes of preventable disease and child mortality in Nigeria. This is not only a **public health emergency** but a **systemic risk** that undermines economic growth, investor confidence, and progress across the **2030 Agenda for Sustainable Development**.

By embedding **affordable, locally developed devices** into communities, Nigeria can **transform water access from a liability into a sovereign asset**, ensuring that safe water is a right, not a privilege.

Innovation Breakthrough: Local Device Development

We have **partnered with Open Labs USA** to **locally develop a water-purifying device** that is:

- **Affordable and scalable** designed for households, schools, and rural communities.
- **Easy to deploy** portable, solar-powered, and requiring minimal maintenance.
- **Locally manufactured** reducing import dependency and strengthening sovereignty.
- **Job-creating** promising employment in **construction, assembly, distribution, and maintenance services**.
- **Data-enabled** integrating with mobile apps for real-time water quality monitoring and reporting.

This innovation ensures that **safe water is as accessible as a mobile phone** a device that protects health, creates jobs, and builds dignity.

Development & Corporate Measures

1. Human-Centred Design

- Devices built with **local supply chains** and **community co-creation**.
- Training programmes ensure **capacity transfer and sustainability**.
- Designed for
- **ease of use**, even in low-literacy environments.

Smart WASH Infrastructure

- **IoT-enabled sensors** provide real-time water quality data.
- **National dashboards** integrate with government and donor reporting systems.
- **Predictive analytics** reduce operational risk and improve service delivery.

Economic Empowerment & Job Creation

- **Local manufacturing hubs** established in each geopolitical zone.
- **Youth entrepreneurship programmes** linked to device distribution and servicing.
- **Women-led cooperatives** managing water kiosks and sanitation services.
- **Employment multipliers** across the value chain, from design and assembly to maintenance and monitoring.

Governance & ESG Compliance

- **National Water Safety Standards** embedded into device certification.
- **Public-Private Partnerships (PPPs)** to scale production and distribution.
- **Independent ESG audits** to ensure transparency and accountability.
- **Community water committees** empowered to oversee usage and maintenance.

Expected Outcomes

- **Universal access to safe drinking water** in rural and urban communities.
- **50% reduction in waterborne diseases** within 5 years.
- **Creation of 500,000+ jobs** in device construction, distribution, and maintenance.
- **Enhanced resilience**** against climate-induced water scarcity.
- **Direct contribution to SDG 6 (Clean Water & Sanitation), SDG 3 (Health), SDG 8 (Decent Work), and SDG 13 (Climate Action).**

Investor Value Proposition

- **Risk Mitigation:** Reduces systemic risks linked to public health, productivity loss, and social instability.
- **ESG Alignment:** Directly advances **SDG 6, SDG 3, and SDG 8**, strengthening Nigeria's ESG profile.
- **Return on Investment:** Job creation, local manufacturing, and reduced healthcare costs expand fiscal space and market stability.
- **Scalability:** Devices can be deployed nationwide and exported regionally, creating new markets.
- **Partnership Leverage:** UNESCO REF and Open Labs USA partnership ensures credibility, innovation, and global visibility.

Legacy Compact

The **Clean Water for All Campaign** under SIP-Alpha is not just about infrastructure; it is about **embedding water safety into human DNA**. By partnering with **Open Labs USA to locally develop water-purifying devices** Nigeria:

- **Protects health** by preventing unsafe water consumption.
- **Creates wealth** through jobs in construction, assembly, and maintenance.
- **Builds dignity** by ensuring every citizen has access to safe water.
- **Strengthens sovereignty** by reducing dependency on imported solutions.
- **Positions Nigeria** as a continental leader in affordable, scalable WASH innovation.

Nigeria's Water & Sanitation Framework is therefore a global model: UN-aligned, ESG-compliant, and investor-credible, transforming water from a vulnerability into a source of life, dignity, and prosperity.