Dure Technologies

2025

DURE TECHNOLOGIES

COMPANY PROFILE

PROPERTY OF DURE TECHNOLOGIES

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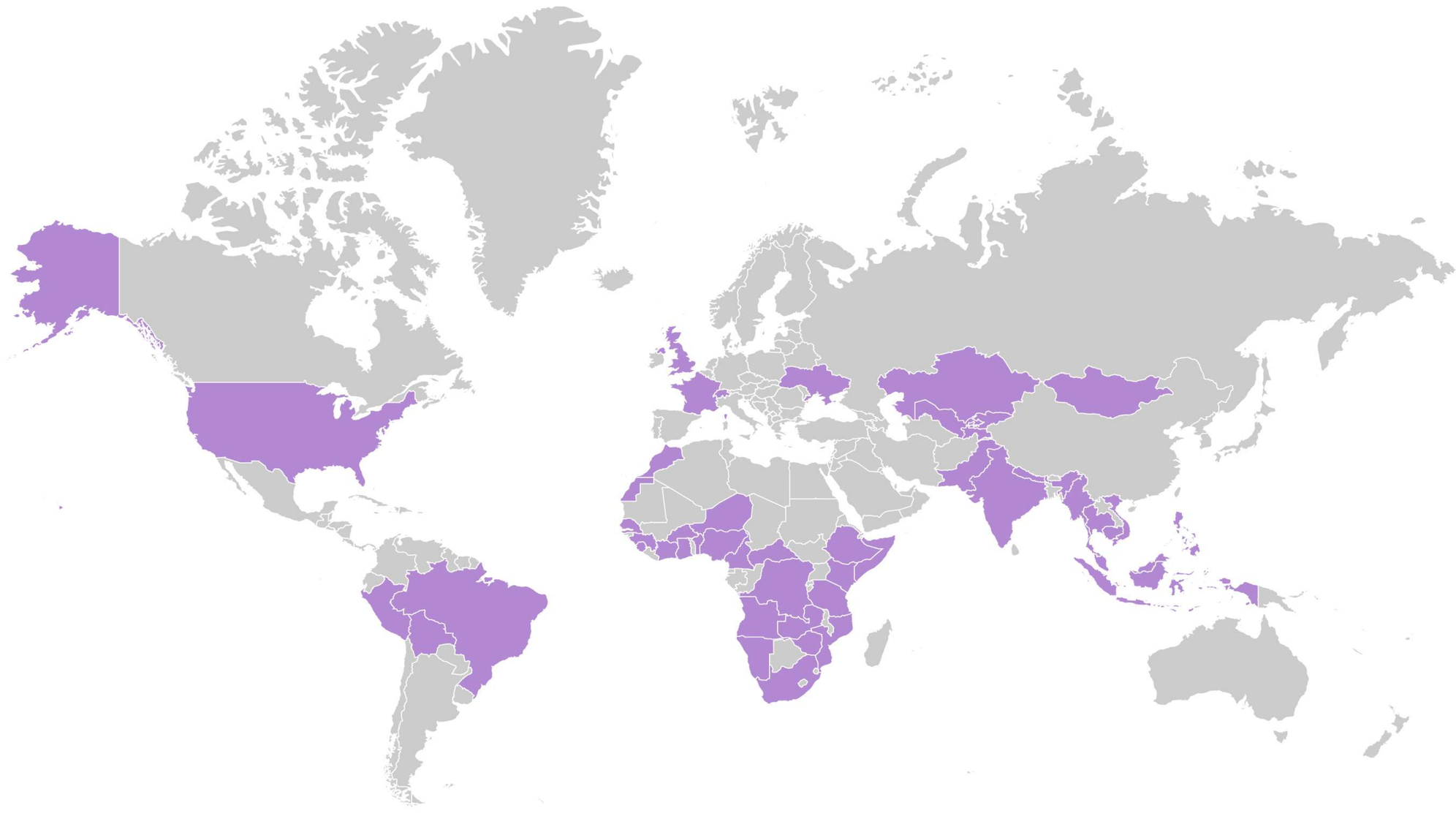
Dure Technologies is a global leader in digital innovation for health and climate intelligence, trusted by governments, UN agencies, and development partners across 40+ countries. With ISO certification, multiple LTAs, and a proven track record of delivering scalable AI-driven platforms, we combine local ownership with global expertise. Our country hub strategy and Centers of Excellence position us for exponential growth in digital health, data science, and climate resilience—creating long-term enterprise value while driving measurable impact at scale.

VIPIN YADAV

CEO & Founder

OUR FOOTPRINT



40+

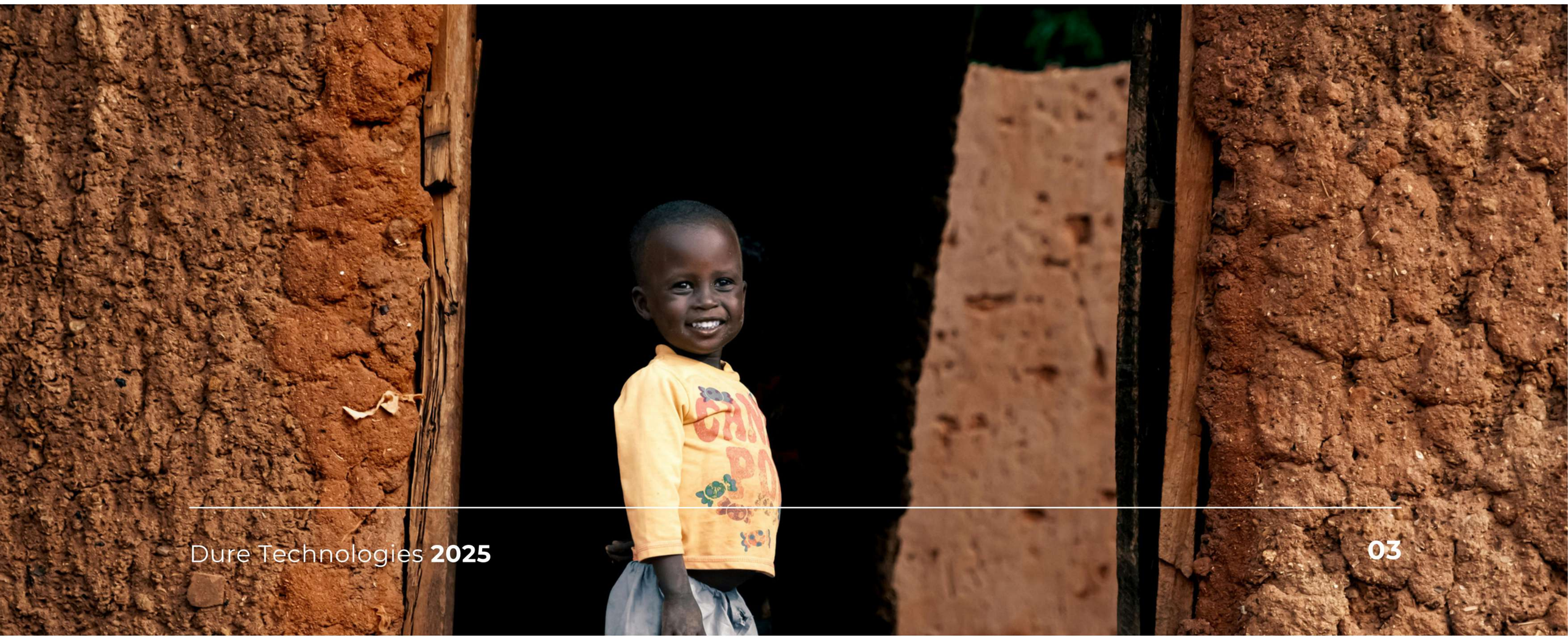
Lower and Middle Income Countries

200+

Team Members & Consultants

10+

Regional Offices in Country



OUR PARTENERS

GOVERNMENT/ MINISTRIES

DONORS/ FUNDING AGENCIES

UN/UNIVERSITIES/ MULTI-LATERAL

PRIVATE SECTOR/ NGOs

KEY STRENGHTHS

EXPERIENCE EMERGING MARKETS

Extensive project delivery experience in Africa/LMICs

LOCAL PRESCENCE

Local offices and team/local champions in LMICs and strong in-country teams

DOMAIN KNOWLEDGE

Strong global and local team bringing extensive domain experience

FINANCE MOBILISATION

Strategic partners with UN and global funding agencies. Have long term agreements and part of the pre-qualified supplier list

COUNTRY DATA ECO-SYSTEM

Extensive experience in existing data systems in countries such as DHIS2, OpenLMIS, OpenMRS and other platforms

PARTNERSHIPS

Building cross-sector partnerships at all levels. i.e. global/donor, national, sub-national, private sector and community level

Established trust and partnership at multiple levels- country level, community level and global level makes Dure a unique partner for executing digital transformation vision of the country.

SECTORIAL FOCUS

Healthcare

Agriculture

Environment

e-Governance

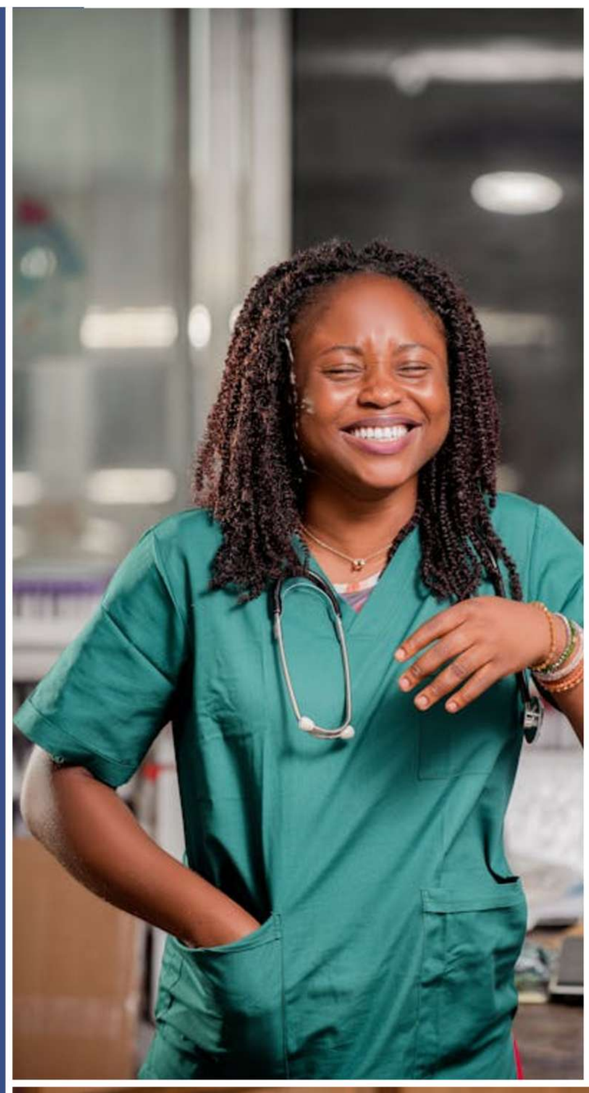
Education

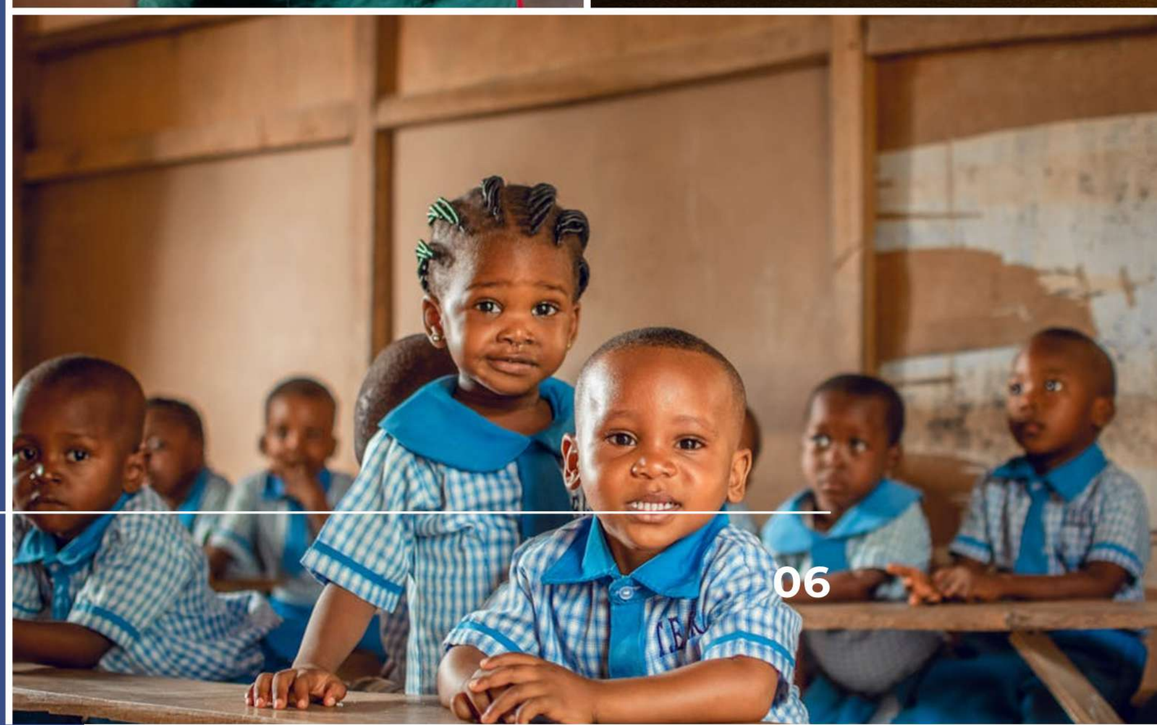
Social Security

Insurance

Infrastructure

Dure’s strong network of country hubs and regional offices gives us a unique multi-sectoral perspective and on-the-ground presence. This allows us to work seamlessly with ministries, development partners, and private sector actors—delivering contextually relevant, scalable, and sustainable solutions across health, climate, and digital transformation.

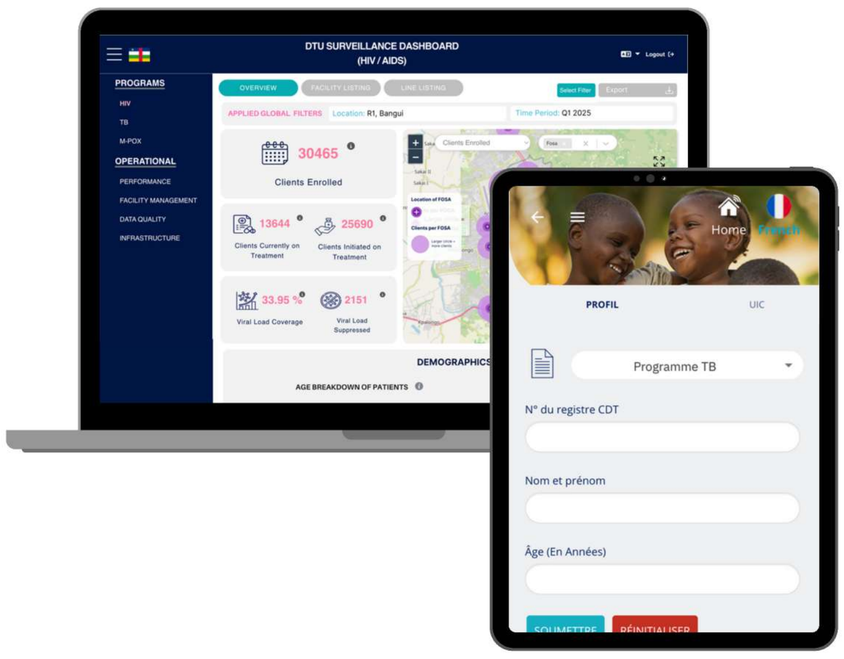




DIGITAL TRANSFORMATION

MONITORING AND EVALUATION

Dure has also implemented large projects to monitor vaccine uptake and vaccine adverse event in partnership with WHO and Ministries of Health in several countries.



CASE-BASED SURVEILLANCE AND REAL-TIME DASHBOARD

Case-based surveillance provides an end-to-end view of each patient's journey across the continuum of care, beginning with registration and extending through risk assessment, screening, testing, treatment, and follow-up. It enables seamless tracking of clinical milestones and care pathways. Real-time, patient-level dashboards further empower providers and health systems to monitor progress, ensure timely interventions, and strengthen accountability—ultimately improving continuity of care, treatment outcomes, and system-wide efficiency.

KEY FEATURES

- **Multi-channel** works on web-app, mobile app, WhatsApp etc.
- **Off-line** works both offline and online
- **Workflow based:** can be used by multiple users in the value chain
- **Country owned** hosted in country server hence full owned by the countries
- **Data Policy compliant:** Compliant with global and national data policy guidelines

"Strengthening digital health and evidence-based decision is key strategy to making health accessible to ALL. In this mission Ministry of Health of Central African Republic is proud to launch Digital Transformation Strategy led by Dure Technologies"

Dr Pierre Somse
Ministre de la Santé Publique et de la Prévention
Central African Republic (CAR)

MONITORING AND EVALUATION

T1 DIABETES REGISTRIES

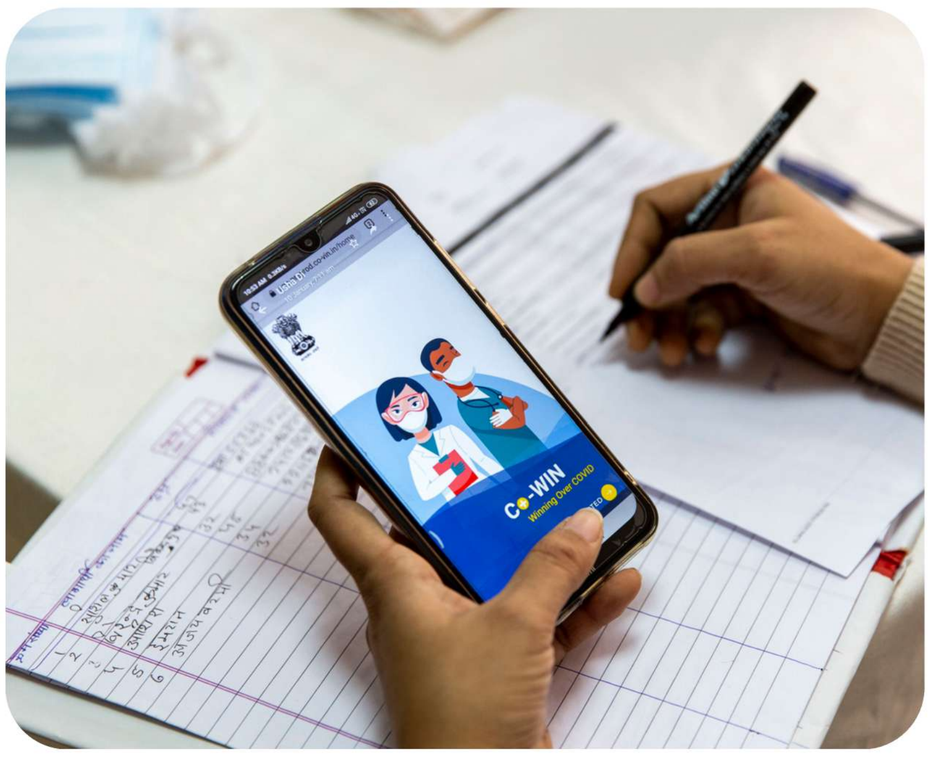
Changing Diabetes in children is a project between Novo Nordisk, Harvard University and Dure Technologies to build AI enabled patient registries.

The global registries are adapted for country specific needs and co-created with country stakeholders. The registries are also embedded and integrated within the country data ecosystems such as DHIS2 and other HMIS systems

The program is currently being implemented in more than 10 countries.

VACCINE MONITORING SYSTEM

Dure has also implemented large projects to monitor vaccine uptake and vaccine adverse event in partnership with WHO and Ministries of Health in several countries.



WHO Co-WIN PLATFORM

Co-WIN platform developed by Dure Technologies in partnership with WHO and Ministry of Health in India for monitoring COVID vaccine adverse events is one of the most widely used platform rolled out across India at a national level.

REAL-TIME SITUATION ROOM

CENTRALISED **DATA-WAREHOUSE** and SITUATION ROOM **DASHBOARD**

A multi-program situation room serves as a centralized hub for real-time data monitoring, evidence-based decision-making, and business intelligence. Built on a unified data warehouse, it consolidates information from diverse sources and systems through interoperability, creating a single source of truth.

AI BOT ON WHATSAPP

Advanced AI models can draw directly from this warehouse to generate insights, forecasts, and alerts, which are then delivered to senior leadership across multiple platforms—including intuitive dashboards and even AI chatbots on WhatsApp. This ensures timely, data-driven decisions and greater agility across programs and sectors.

Interoperable integrated data eco-system/FHIR and OpenHIE

Centralized Data warehouse brining multiple data system in one place

Advanced Analytics Visual data story program/ business intelligence

AI powered for predictive modeling and data on **AI chatbots on WhatsApp**

INTEROPERABILITY

HMIS /DHIS2

IoT DATA

OPEN DATA SETS

COMMUNITY DATA

HL7 FHIR

ONEDATA-CONNECT API Gateway

CENTRALISED DATA WAREHOUSE

DATA ANALYTICS/ PREDICTIVE MODELING

INTEROPRABILITY

Interoperability can be achieved using global standards like **FHIR** and frameworks such as **OpenHIE**. FHIR enables seamless data exchange across health systems through standardized APIs, while OpenHIE provides a reference architecture for secure, scalable integration. Together, they create a strong foundation for sustainable, interoperable digital health ecosystems.

OPEN-LMIS/SUPPLY CHAIN

Digital supply chain platforms enhance efficiency, accountability, and availability of essential commodities through real-time data and interoperability. Dure Technologies is a pioneer in delivering such solutions for governments and the private sector.

INTEGFRATED OPEN-LMIS PLATFORM

OpenLMIS improves efficiency and accountability by integrating with national health systems, enabling real-time data flow, and supporting standards like DHIS2, FHIR, and OpenHIE. This helps ministries and partners make data-driven decisions, reduce stock-outs, and ensure availability of essential health products.

With AI, OpenLMIS can go further, using predictive analytics to forecast demand, machine learning to optimize distribution and warehouse operations, and AI dashboards or chatbots to give leaders real-time insights. This shifts OpenLMIS from a transactional tool to an intelligent supply chain platform.

KEY FEATURES

Integrated The LMIS solutions are interoperable with existing data systems

Advanced Analytics Advanced analytics for real-time action

AI enabled: AI for predicting stock-outs and optimization

Country owned hosted in country server hence full owned by the countries

Multi-channel: Available on all channels- web, mobile app in both online and offline mode

Dure Technologies supported UNDP Afghanistan in implementing OpenLMIS to strengthen the national health supply chain. The system improved visibility of essential commodities, streamlined stock management, and enhanced reporting for timely decision-making.

COMMUNITY LED MONITORING (CLM)

OneImpact is a cutting-edge tool for the entire TB community in Ukraine. People with TB are empowered with information and ways to report challenges. TBpeople Ukraine uses the data reported to respond immediately to peoples' challenges. Evidence generated through OneImpact is being used to enhance multi-sectoral dialogues for comprehensive community responses.

Olya Klymenko
TBPeople, Ukraine

KEY FEATURES

- Real time CLM data for action
- Response focused
- Community engagement
- Data use and identifying key gaps impacting programmatic targets and outcomes
- Integrating CLM with the national data ecosystem

UNITISED DIGITAL TRANSFORMATION

VISION OF A TRANSFORMED **HEALTH SYSTEM**

INFORMATION SYSTEMS
Strengthen the data ecosystem in the country

INFRASTRUCTURE
Strengthen and expand health infrastructure and the supportive environment.

STRENGTHENING LOCAL CAPACITIES
Strengthening local capacities for data collection, management, and analysis

Comprehensive package that involves all necessary health solutions, enabling infrastructure and digital health capacity provided as a unitized service offering

SOVREIGN **AI** FOR IMPACT

DURE's AI PRACTICE

GENERATIVE AI
Enhances decision-making processes in healthcare by providing innovative solutions

MULTI MODAL AI (VISION AI)
Multimodal Vision AI allows for the processing and analysis of visual data alongside textual data

PRECISION AI
Focusses on personalized healthcare solutions that adapt to individual patient needs and develop patient communities

DATA LAKEHOUSE
Unifies all data into a real-time, AI-ready foundation—powering scalable, intelligent enterprise transformation.

KNOWLEDGE GRAPH
Helps organize and analyze complex healthcare information

GEN-AI FOR PATIENT SUPPORT

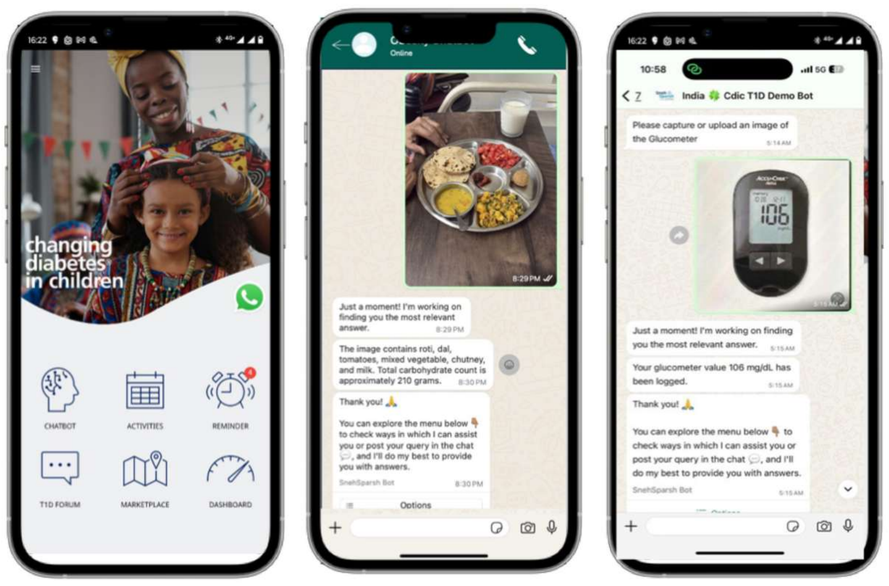
Gen AI based chatbots and 3-D avatars can be leveraged for campaigns, awareness, education, health, farming and much more.

Dure's has been a thought leader in driving AI innovations in the healthcare and other sectors. Dure is working closely with partners like ITU (AI for Good), WHO, IDF, Stop TB Partnership (UNOPS) and various other partners to drive the concept of Sovreign AI for Impact across the Globe.

AI FOR PERSONALISED CARE

AI FOR **OBESITY MANAGEMENT**

A multi-program situation room serves as a centralized hub for real-time data monitoring, evidence-based decision-making, and business intelligence. Built on a unified data warehouse, it consolidates information from diverse sources and systems through interoperability, creating a single source of truth.



CASE STUDY: AI CHATBOT FOR CHILDREN WITH T1 DIABETES

Changing Diabetes in children is a project between Novo Nordisk, Harvard University and Dure Technologies to build AI enabled patient registries.

The CDIC tools, including the adaptable patient registry, self-reporting patient app, and multilingual chatbot, also support country-specific customization and sustainability beyond the current program.

The program is currently being implemented in 12 stage one countries.

AI FOR **DIABETES CARE**

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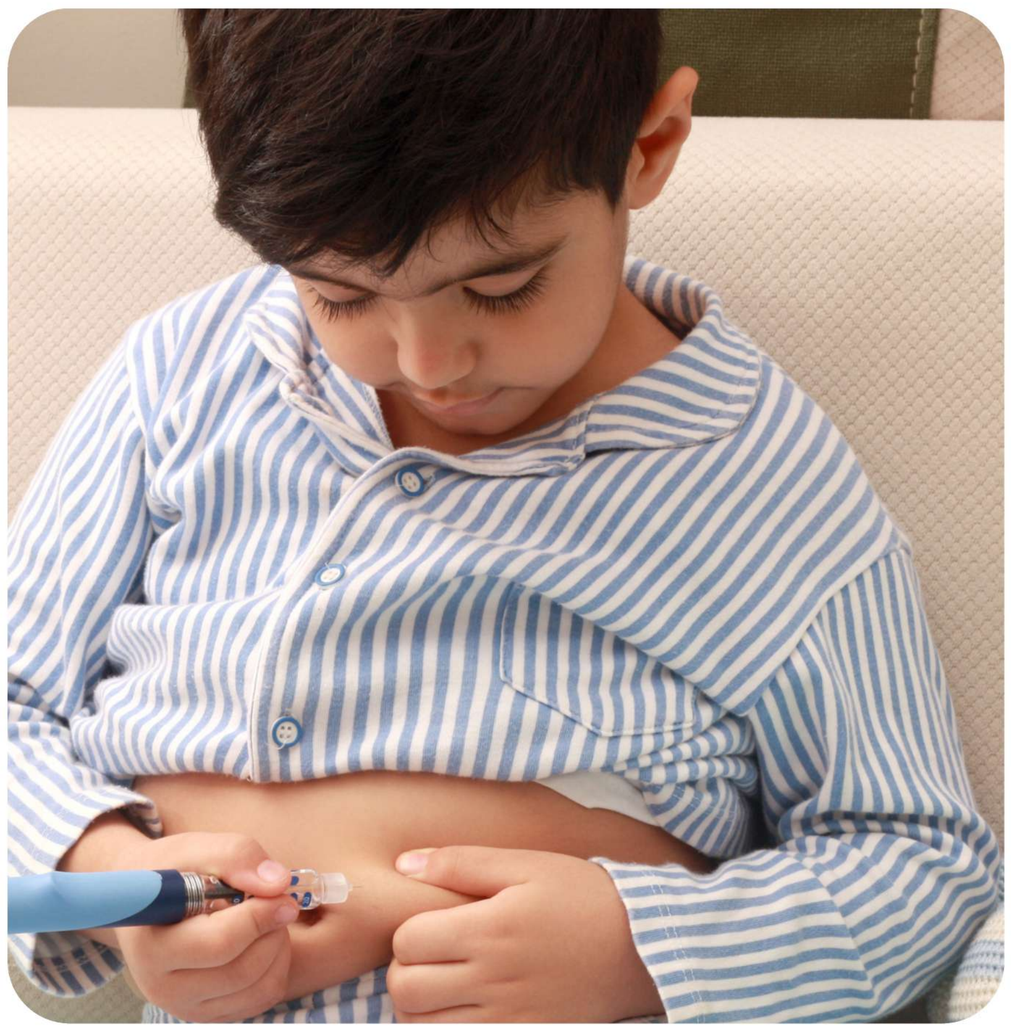


AI FOR PERSONALISED CARE

VISION AI FOR **SKIN AND HAIR ASSESSMENT**

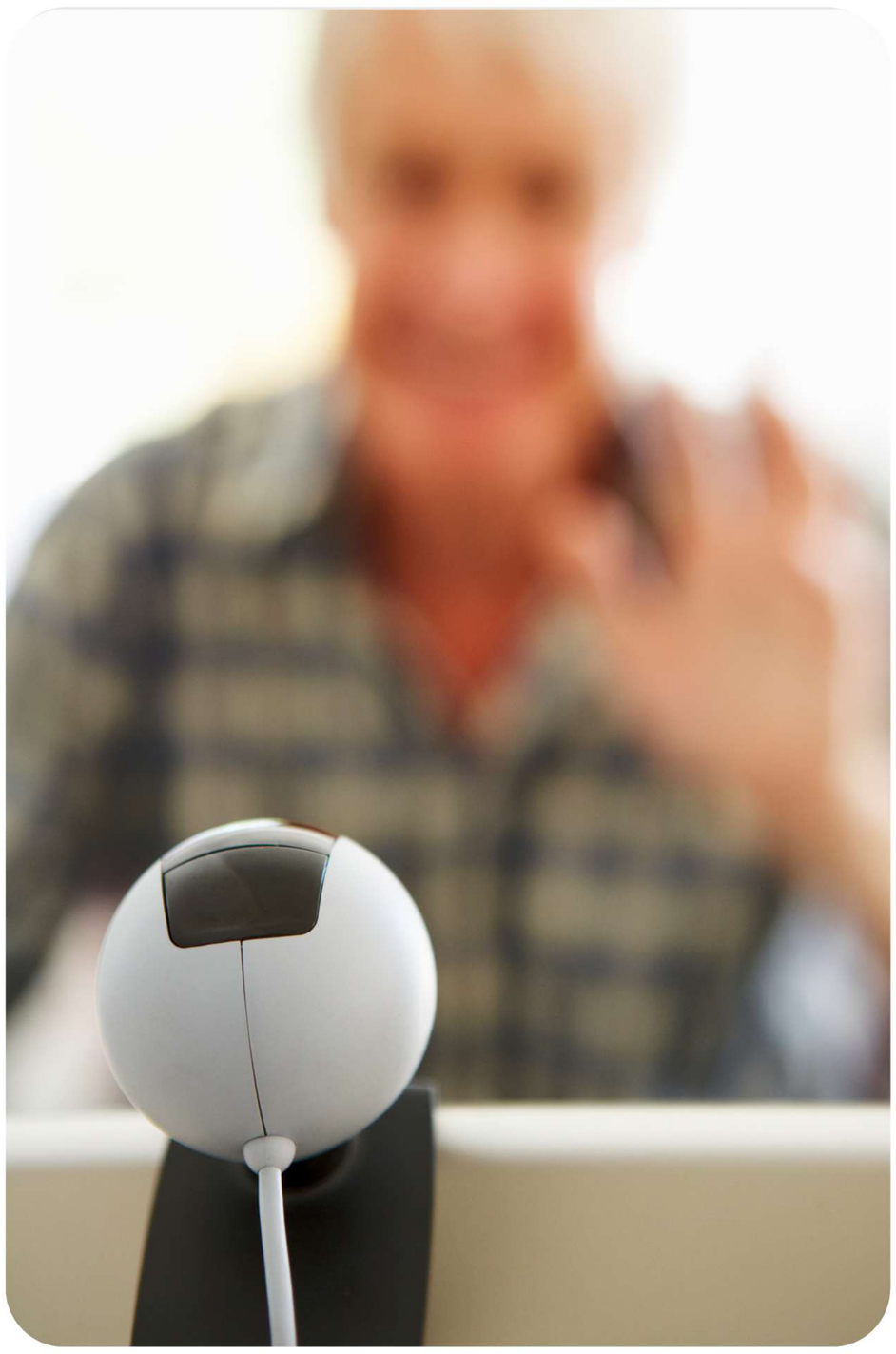
AI vision and image processing can assess skin conditions and detect diseases by analyzing images to identify patterns and support early diagnosis. This improves accuracy, speeds up care, and expands access, especially in low-resource settings.

AI FOR **ELDERLY CARE**

A multi-program situation room serves as a centralized hub for real-time data monitoring, evidence-based decision-making, and business intelligence. Built on a unified data warehouse, it consolidates information from diverse sources and systems through interoperability, creating a single source of truth.

AI FOR **ORAL HEALTH**

AI vision and image processing can evaluate dental conditions and detect oral diseases by analyzing images to identify patterns and support early diagnosis. This enhances accuracy, accelerates treatment, and increases access to care, particularly in low-resource settings.



AI FOR DATA ANALYTICS AND PREDICTIVE MODELING

PREDICTING CLIMATE AND HEALTH

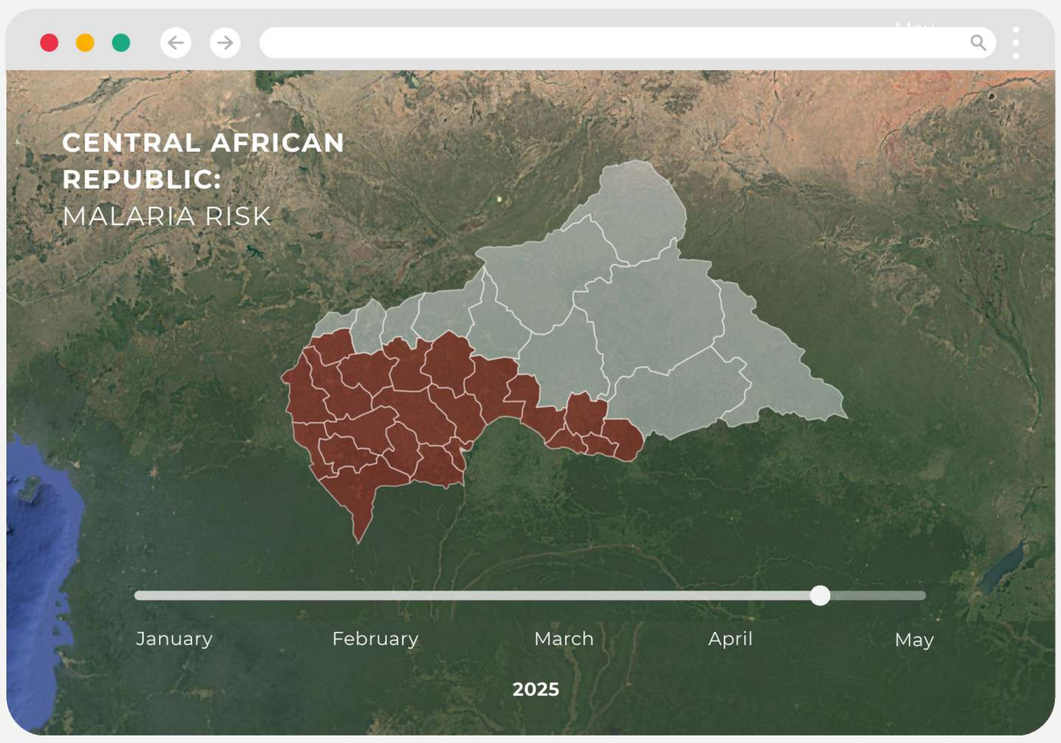
AI is crucial for disaster prevention in climate and health by forecasting weather and disease spread, allowing for timely interventions and preparing capacity.

AI FOR DIABETES

Chronic care- AI chatbots, precession dosing, vision AI etc.

We can utilise patient based AI to track symptoms, get emotional support and get practical support managing their diabetes.

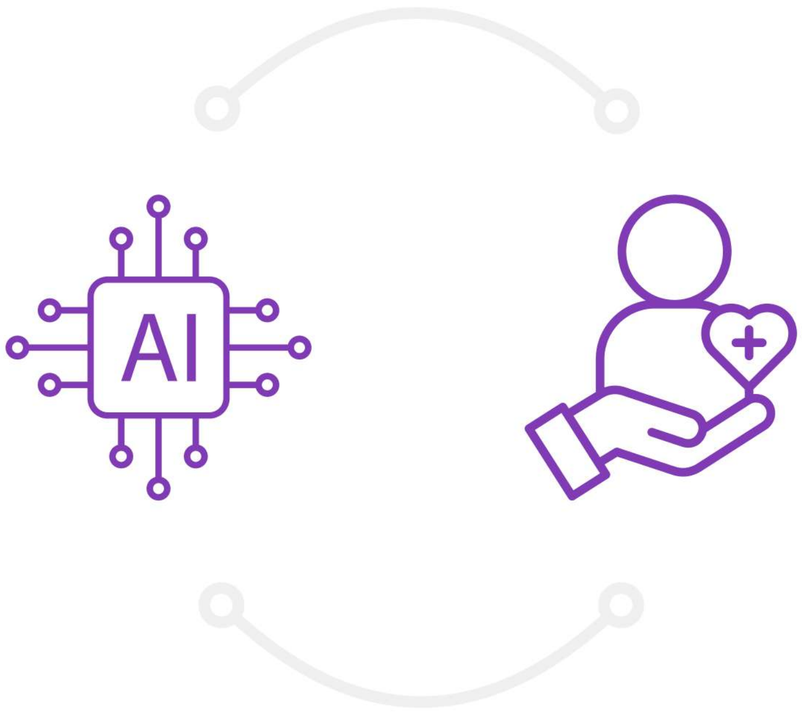
MALARIA RISK MAP



- Shows which districts are at risk using up-to-date weather data
- Doable 2–3 weeks ahead of time
- Helps the national program know where to focus testing and screening
- The tool is connected to thenational health system

CHRONIC CARE

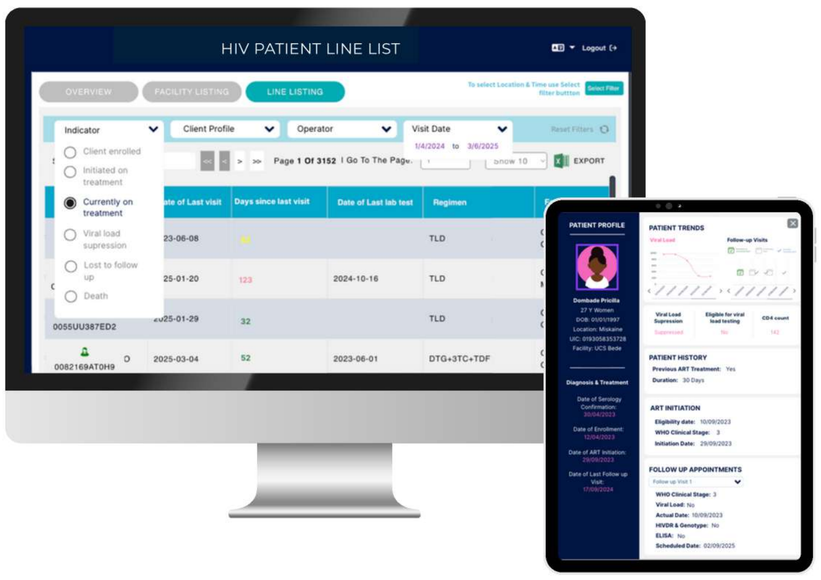
We can utilise patient based AI to track symptoms, get emotional support and get We can utilise patient based AI to track symptoms, get emotional support and get practical support managing their diabetes.



HOSPITAL MANAGEMENT

AI ENABLED EHR

AI-enabled EHR turns hospital data into insights—reducing costs, predicting risks, and unlocking new revenue while improving outcomes.



AI layers on the hospital's existing EHR, analysing clinical and operational data.

Generates insights to spot inefficiencies, predict risks, and highlight revenue centres. Hospitals gain smarter decisions, lower costs, and new income streams—turning the EHR from record-keeping into a strategic growth engine.

COST SAVING

Cut inefficiencies and reduce overheads; *Duplicate tests detected*

OPERATIONAL EFFICIENCY

Clinic wait time increasing, averaging 45 mins; staffing optimization

NEW REVENUE OPPORTUNITY

Increase in diabetic foot consultations referral; service expansion

PERFOMANCE SNAPSHOT

Documentation accuracy is now 96% overall; improved compliance

RISK ALERT

Post surgery readmission increased by 23% in last 3 months; cardiac

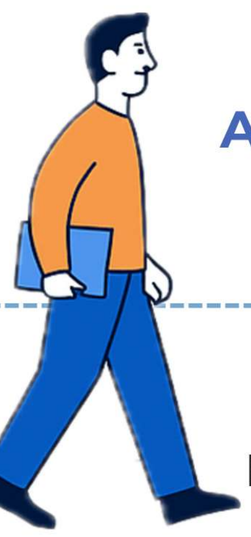
TURNING CONVERSATIONS INTO CLINICAL INTELLIGENCE

From Voice to Notes – Listens, transcribes, and drafts structured clinical documentation.

Smarter Capture – Includes labs, prescriptions, and follow-up orders automatically.

Review-Ready – Providers approve summaries quickly, ensuring accuracy and saving time for patient care.

PATIENT CONNECT



Pre-Registration & Validation

Faster digital onboarding, document validation with fewer errors

AI Chatbot Patient Assistant

24/7 triage, personalized guide, AI led support, reduce redundant workload

Vision AI led diagnostics

Quick image-based screening and guidance with integrated EHR

Digital Locker + EHR

Secure records, seamless hospital integration

Personalized Marketplace

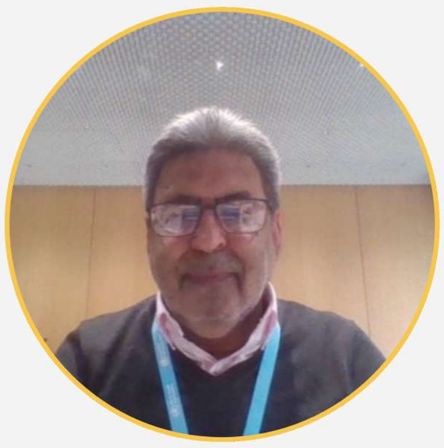
Easy access labs, pharmacy, and wellness services within ecosystem

Precision Dosing for personalized care

Tailored medication schedules for better adherence and outcomes

EASY, ENGAGED AND PERSONALIZED CARE DELIVERED

An AI-powered Patient Connect Patient Connect unifies patient engagement through a multi-channel AI platform. It guides patients via chatbots, vision AI, and precision dosing tools while integrating with EHR, digital lockers, and marketplaces. This ensures real-time support, personalized interventions, and connected care—empowering patients while reducing hospital burden and improving outcomes.

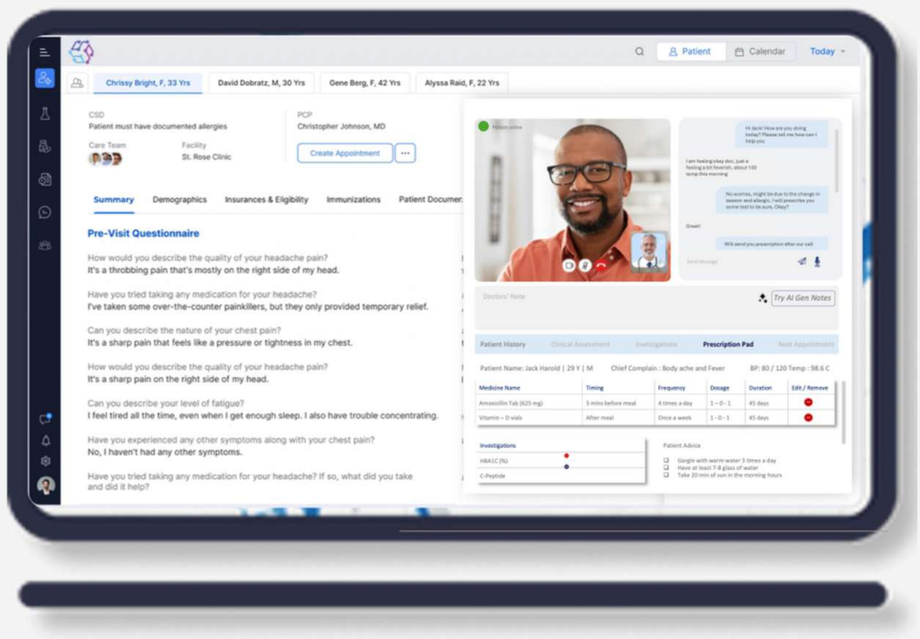


“Since adopting the WhatsApp chatbot at our out institute here in Pretoria, SA patients now get timely reminders and follow-ups on their phones. It has reduced readmissions, improved adherence, and allowed staff to focus more on critical care.””

DR FAREED ABDULLAH

Department of Public Health Medicine, Faculty of Health Sciences, University of Pretoria

TELEMEDICINE/HEALTH MARKET PLACE



FOR PROVIDERS:

- Expanded reach
- Increased efficiency
- Better patient engagement
- Reduced no-shows
- Improved workflow integration

FOR PATIENTS:

- Convenience & accessibility
- Reduced wait times
- Cost savings
- Better chronic disease management
- Improved mental health access
- Lower risk of infection

BEYOND THE HOSPITAL WALLS

A single platform that strengthens patient engagement, improves access, and generates new revenue streams for hospitals.

CLIMATE AND HEALTH

CLIMATE AND HEALTH

Our initiative combines historical data, global guidelines, and community insights to provide actionable intelligence for health systems. Using predictive AI and data visualization, Dure equips stakeholders to address healthcare challenges and mitigate the effects of climate change, both locally and globally.

KEY PRINCIPLES

- **Interoperability** between systems and actors
- **Innovation** and the adoption of modern technologies (AI, telemedicine, IoT)
- Co-creation and strengthening of **local capacities**
- Property of **national data** and platforms
- **Data security** and **privacy** in healthcare

GLOBAL AND COUNTRY DASHBOARDS

Evaluate and visualize vulnerable health facilities, assess the influence of the climate on disease burdens, and explore our Vulnerability Index.

CLIMATE AND HEALTH **AI BOT**

Use our WhatsApp-enabled AI chatbot for instant information and capacity-building support. From managing hospital resources during floods to planning national adaptation strategies.

“The African Union recognizes that Africa faces a double burden from climate change, being more vulnerable to both the direct climate disasters and the health impacts that follow, such as increased food insecurity and the spread of communicable diseases. “

Dr Michel Sidibe
Former Minister of Health, Mali

INFRASTUCTURE

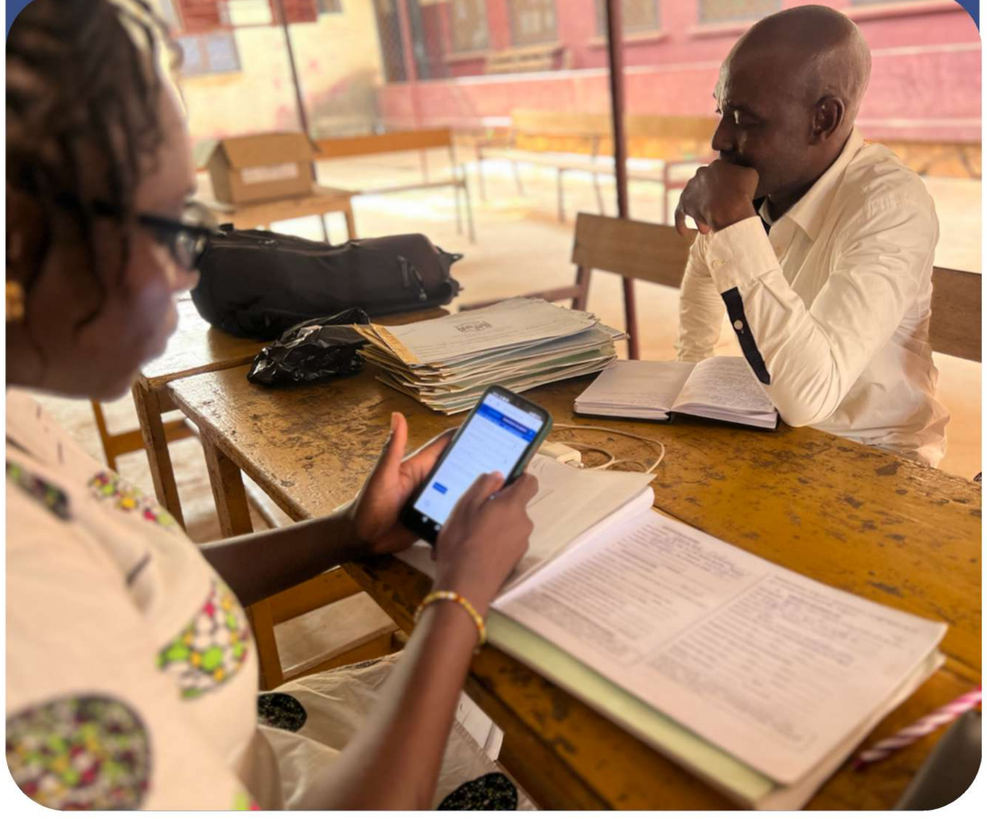
ENABLING INFRASTRUCTURE

DATA CENTER

Dure Technologies provides end-to-end support in managing data centers for health, climate, and other sectors. This includes hosting and deployment, secure infrastructure setup, and data integration from multiple systems.

Dure ensures compliance with national guidelines on data privacy and security while enabling governments and partners to leverage interoperability, analytics, and AI for real-time insights and evidence-based decision-making.

This ensure country's data remains in the country.



SOLARISATION

Solarization of public and private infrastructure is crucial for enabling of digital transformation specially in fragile and low resource countries. Solarization also ensures ESG goals for reduced carbon emission

STARLINK

Dure works closely with Ministry of Digital Economy and country partners to provide StarLink connectivity. Dure has exclusive license in countries to support StarLink.

ADVISORY SERVICES

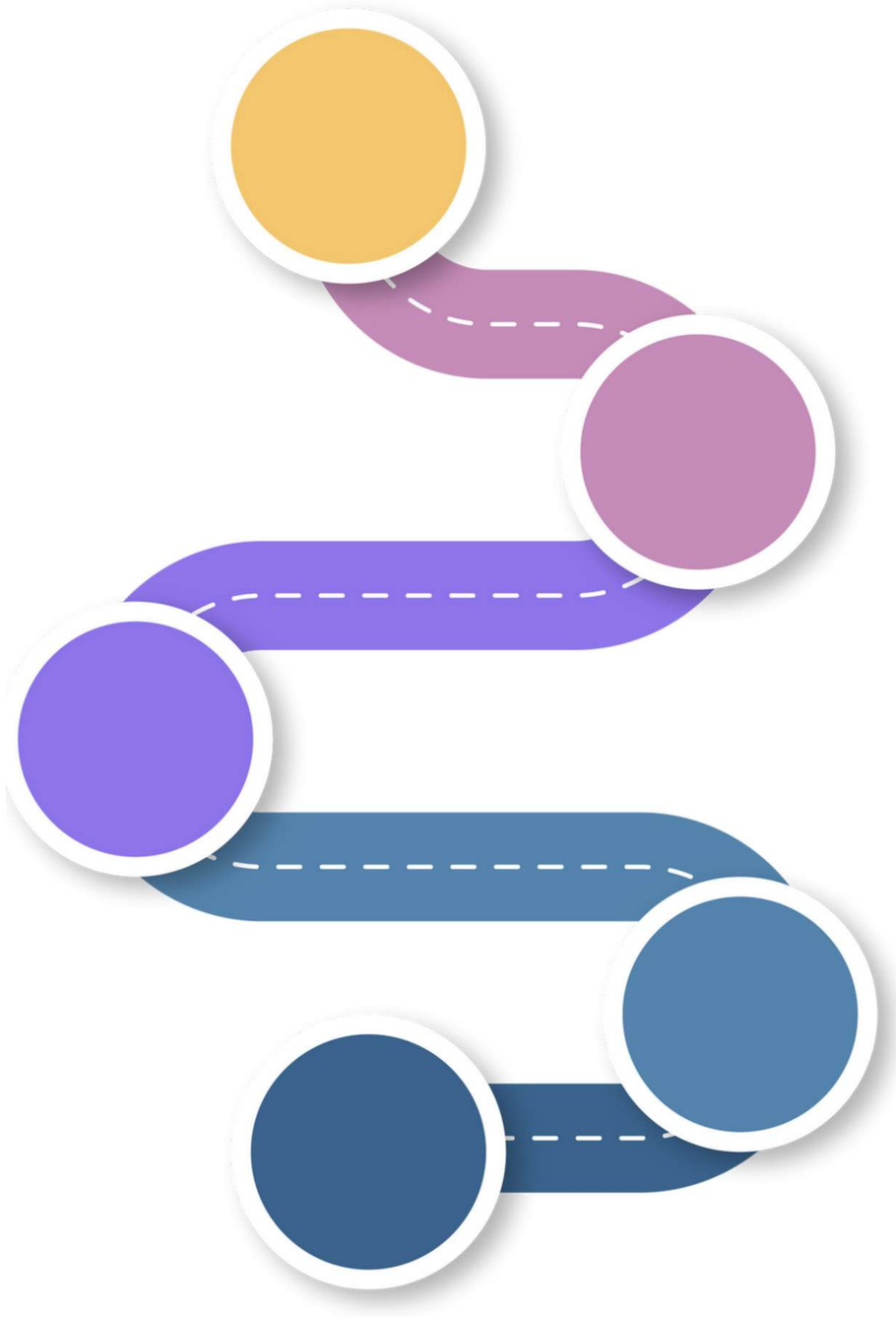
DIGITAL ADVISORY

ASSESSMENT

Dure's assessment framework and technical assistance has been adopted by various countries to identify gaps and shape digital transformation roadmap and plan

POLICY FRAMEWORK

Dure has contributed to severage digital policies including data security, sovrign AI policies, multi-sectorial climate health policy, eGovernance policies and much more.



STRATEGIC ROADMAP AND PLANNING

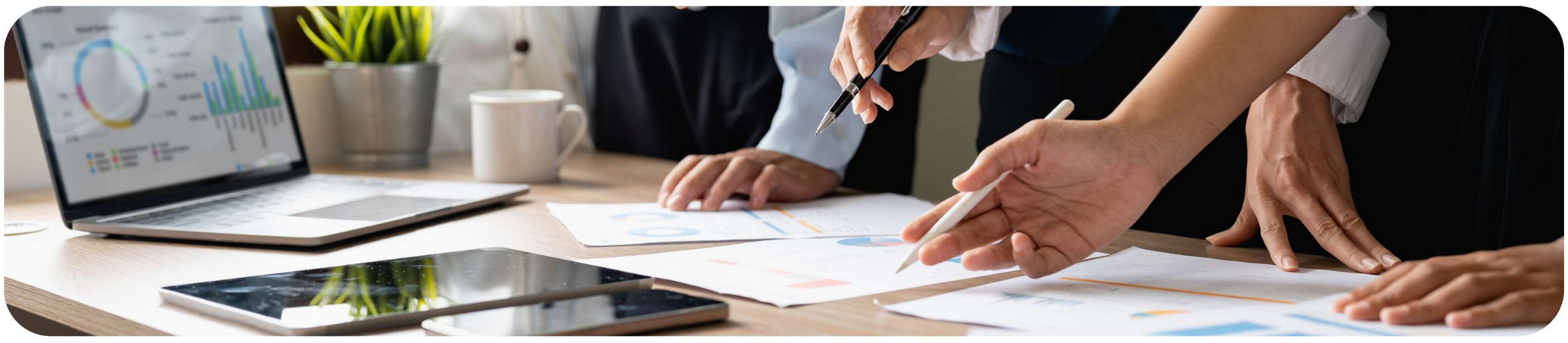
Dure has been strategic partner to jointly develop digital transformation roadmap and strategy documents along with the countries

DESIGN AND CONCEPTUALISATION

Dure's advisory services also involves co-create and conceptual digital transformation projects for the countries

IMPLEMENTATION

Dure provides Project Management Units (PMU) to help operationalize large digital transformation projects as part of it's advisory services



THE TEAM

CORE TEAM

VIPIN YADAV
FOUNDER AND CEO

DR. DENIS BRAUN
DIRECTOR PUBLIC HEALTH

PRADEEP KAKKATTIL
DIRECTOR INNOVATION

NAVEEN NARALE
CHIEF TECHNOLOGY OFFICER

SABYASACHI DAS
HEAD OF STRATEGIC PARTNERSHIP

DR. RUCHI DANA
HEAD OF MIDDLE EAST AFRICA

NATH NARALE
HEAD OF AI INNOVATIONS

MAURIZIO BECCHERLE
HEAD OF FINANCE AND ADMINISTRATION

SHITAL THAKKAR
HEAD OF TECHNICAL DELIVERY

OUR ADVISORS

DR. BALRAM BHARGAVA
EX- DIRECTOR GENERAL ICMR

DR. ANIL PUROHIT
EX US GOVT.

DR. RIFAT ATUN
VICE DEAN, HARVARD UNIVERSITY

DR.MICHAEL HEDEGAARD
PROF. DENMARK TECHNICAL UNIVERSITY

DR. LEOPOLD ZEKENZE
EX. DIRECTOR UNAIDS

FRANK LICHNER
CEO, THEON DATA

OUR OFFICES

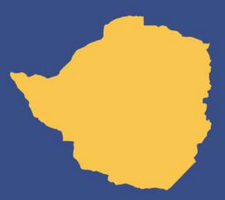
GENEVA

LONDON

UAE

ABUJA

NAIROBI



HARARE

TORONTO

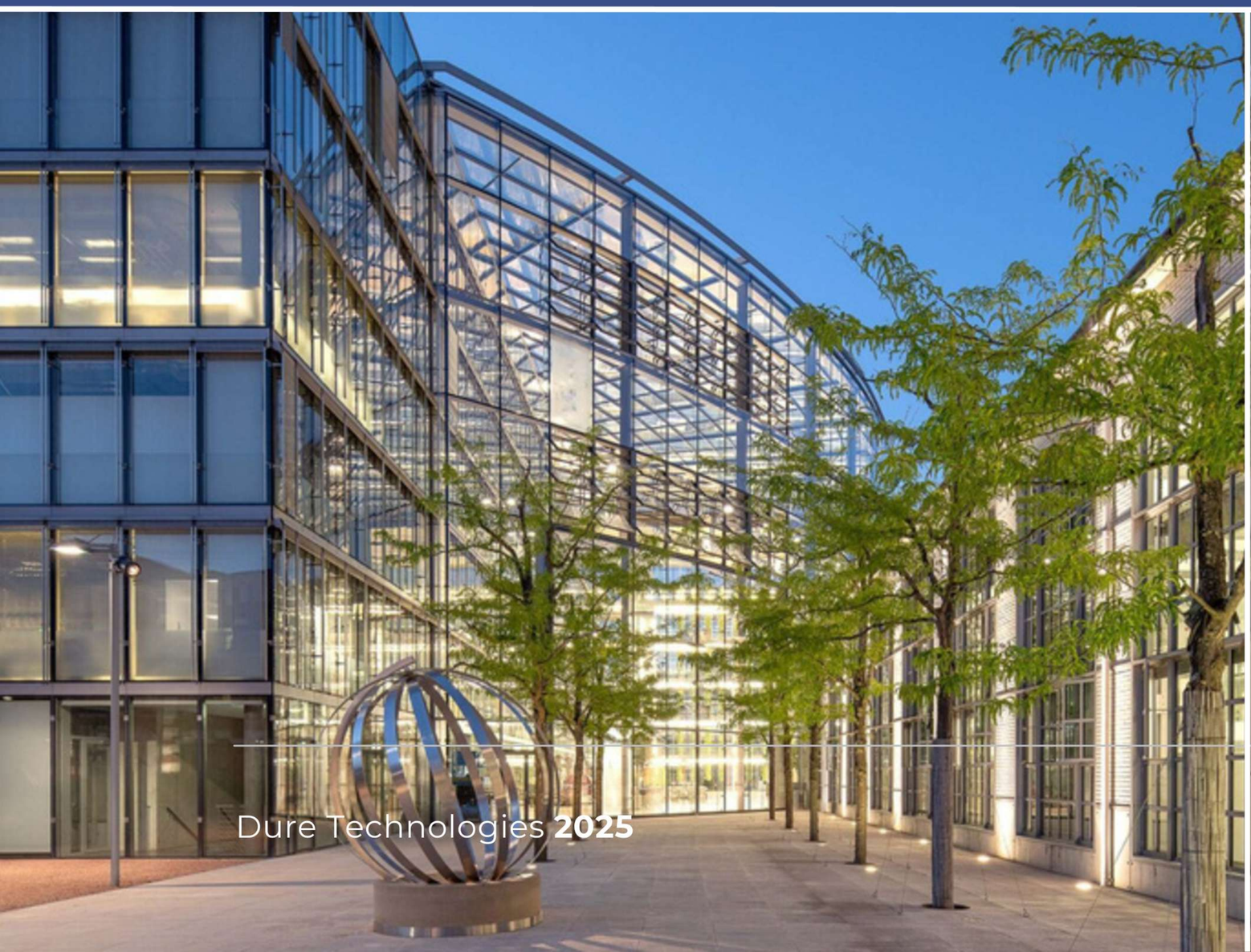
MUMBAI

DELHI

BANGUI

ABIDJAN

N’DJAMENA



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