DotDr (Pty) Ltd // Bio-AI & Smart Lab Hardware

The Switchboard Between Scientific Disciplines

Web: https://dotdr.co.za
Order: https://dotdr.co.za/order
Lead: duncan@dotdr.co.za

WHAT WE DO IN ONE SENTENCE: We connect your laboratory's microscopes, laminar hoods, and DNA/protein instruments directly to frontier AI (*AlphaGenome, AlphaFold 3, ESM3, Botanic1, Gemma 4*) on our **Johannesburg + Netherlands GPU cluster**—cutting equipment costs by **90%** and turning raw samples into **3D drug simulations, TB resistance predictions, and 2-page genetics reports in seconds for ~R250/run** (vs. R3,600+ overseas or days in Cape Town CHPC queues).

1. HOW IT WORKS: FROM PHYSICAL LAB BENCH TO 2-PAGE REPORT IN SECONDS

STEP 1: CAPTURE AT THE BENCH **Your Equipment or Our Modular Rig**	STEP 2: SOVEREIGN AI SWITCHBOARD **JHB (africa-south1) + NL GPU Cluster**	STEP 3: INSTANT LAB OUTPUT **Generated in 14–18 Seconds**
• **Laminar Hood Camera:** Catches **18-second** reagent rest & **1 µL** pipetting errors live. • **Smart Microscope:** Scans blood, TB, Malaria & Pap slides at **100+ FPS** on an Edge AI chip. • **DNA & Protein Bench:** Pocket Nanopore sequencer & fluorometer stream live reads.	• **Zero Patient PII (POPIA):** Names stripped on-device in **<2 ms**; only coordinates leave the bench. • **Africa-First AI:** Validates **98.5% non-coding African DNA**, 3D drug pockets & heat-stable **local POC enzymes** (*DOTDR-Bst-SA4*). • **Cost:** Flat **~R250 / GPU run**.	• **2-Page Genetics Reports:** White-labeled PDF (never called 'doctor reports'; HPCSA clinicians retain 100% sign-off). • **TB Resistance in Seconds:** 3D *rpoB/katG* drug-resistance profile. • **Zero-IT LIMS Drop:** Auto-saves PDF, CSV/JSON & QuPath TIFF by barcode.

2. CHOOSE YOUR SETUP: CLOUD ONLY, RETROFIT YOUR CURRENT LAB, OR FULL LAB-IN-A-BOX

Setup Option	Who It Is For	What Hardware & AI You Get	Hardware Cost (Cost + 15%)
OPTION 1: Cloud AI Switchboard Only **(No Hardware Needed)**	Labs that already generate digital **FASTQ / VCF** files or enzyme/vaccine sequences.	Immediate browser/API access to all 4 DotDr AI engines (2-Page Genetics Reports, TB Resistance in Seconds, Local POC Enzymes & African Genome Atlas).	**R0 Hardware** ~R250 / GPU run (Start w/ R5k Free Voucher)
OPTION 2: 15-Minute Retrofit Kit (SKU-1) **(Most Popular for Accredited Labs)**	Labs that **already own** Olympus, Zeiss, Nikon, or Leica microscopes & biosafety hoods.	• **C-Mount AI Camera + Anodized Edge AI Box (26–67 TOPS):** Threads onto your existing microscope in 15 mins (60 FPS live panorama cell counter). • **Zero-Drill 4K Hood Camera:** Catches 18s rest / 1 µL pipetting errors live.	**R16,445 ZAR** (Hood Vision Kit) to **R28,500 ZAR** (Scope + Hood Kit)
OPTION 3: Turnkey Lab-in-a-Box (SKU-2) **(90% Cheaper Than R1.5M+ OEMs)**	University groups, satellite clinics, mines & biotech R&D needing **new** automated scanners or DNA sequencers.	• **SKU-2A Autonomous Slide Scanner:** Enclosed sub-micron (<100 nm) motorized WSI microscope + Edge AI. • **SKU-2B Full DNA & Protein Bench:** Adds **Oxford Nanopore MinION + Flongle + Bento Lab Pro PCR/Spin/Gel** (+ optional Qubit 4).	**R17,480 ZAR** (Auto WSI Scope) or **R139,600 ZAR** (Full DNA + Scope Lab)

3. SIMPLE PRICING: EVERY ENTRY PACKAGE SITS BELOW THE R200,000 PUBLIC TENDER THRESHOLD

Package Tier	What Is Included (All Include SANAS ISO 15189 Verification Dossier)	Fixed Fee (Excl. VAT)
A. R5,000 Grant Voucher	**20 Free ~R250/run GPU Analyses** on our 4 live products to test immediately (Valid until 20 Dec 2026).	**R0 ZAR (Voucher)**
B. 100-Run GPU Block	**100 Pre-Paid ~R250/run GPU Analyses** (Valid 12 months — ideal for unspent 2026 grant budgets).	**R25,000 ZAR**
C. 30-Day Pilot POC	**20–50 Sample Concordance & TAT Benchmark Report** (100% credited toward Sprint 1 within 30 days).	**R35,000 ZAR**
D. 2-Week Custom AI Sprint **(Flagship Turnkey Build)**	**Full 2-Week LIMS & AI Integration + 100% Source Code Ownership.*** *Combine with Starter SKU-1/SKU-2 Hardware (R33,925) for **R193,925 Total (< R200k Tender!)***	**R160,000 ZAR** (R193,925 w/ Hardware)
E. Managed 99.9% SLA	**Ongoing Monthly Model Tuning, ACMG/CPIC Rule Updates & Sovereign GPU Management** (R45k–R120k/mo).	**R65,000 ZAR / mo**

NEXT STEP — TEST LIVE OR GENERATE AN INSTANT QUOTE IN 60 SECONDS: Visit **https://dotdr.co.za/order** or email **duncan@dotdr.co.za**.
***IP & Governance:** Client receives 100% source code ownership to use freely across your research, with associated project hosting fees billed monthly based on 3rd-party cloud consumption (Google Cloud Johannesburg africa-south1 / Netherlands GPU at cost + 15%). SAHPRA RUO / Pre-Analytical QMS / Class A Assistive Copilot compliant; POPIA Act 4 Zero-PII enforced.