

LABPLUS AFRICA

A MOBILE LAB FLEET FOR AFRICA

An EU-Africa Partnership to reinforce healthcare systems: pandemic preparedness, routine diagnostics and vaccine delivery

Together with the EU (under the leadership of the Foreign Policy Instrument (FPI) and the EU CBRN CoE), Praesens Care introduces the LABPLUS AFRICA offensive (project 85) to tackle the effects of the COVID-19 crisis. In this project Praesens Care uses innovative approaches and technologies to empower African countries during the pandemic and beyond. It will create local capacity to address the unmet need of quick and accessible diagnostics and healthcare services.



BEING PRESENT HERE AND NOW, IN ORDER TO MAKE AN IMPACT

Praesens Care designs, builds, and scales a healthcare service delivery platform that integrates fit-for-purpose vehicles and broad service offerings. We believe that innovative technologies and a preparedness ecosystem play an important role to build healthcare systems capacity in-country.

Praesens Care builds on the continuity of the Praesens Foundation that is founded and led by serial biotech entrepreneur Dr. Rudi Pauwels. Praesens refers to the Latin notion of "being present here and now in order to make an impact".



OUR MISSION...

... embodies a strong will to ensure sustained access to quality diagnostics for everyone. We are committed to a holistic health care delivery model, providing diagnostic capacity that is integrated in the care cascade, embedded in the local health systems, and as close as possible to the patients. We embrace decentralization as a vehicle for change towards a world where health systems are resilient, better prepared, and more equitable.



CONTACT PRAESENS CARE

info@praesens.care
www.praesens.care
@PraesensCare



PRAESENS CARE BIONEAR®

Accessible quality mobile laboratory capacity, even in the most remote areas



PRAESENS
CARE

ALMOST HALF OF THE WORLD'S POPULATION HAS LITTLE TO NO ACCESS, EVEN TO THE MOST BASIC DIAGNOSTICS

Recent outbreaks and pandemics have exposed the importance of timely accurate diagnosis. And yet access to quality diagnostics is still scarce and inequitable. Deficiencies in infrastructure, workforce, and quality assurance pose barriers to diagnostic quality and safety. Together with low prioritization, they hinder the existence of sustainable and resilient health systems. Securing diagnostic infrastructure and quality services close to the patient can reduce the diagnostic gap and improve health outcomes, as a fundamental step to accelerate change.

PRAESENS CARE'S VERSATILE SOLUTION THAT BRINGS HEALTHCARE TO ANYONE

SERVICES

- Epidemic response
- Routine diagnostics
- Surveillance activities
- Vaccine delivery
- Quality management
- Maintenance
- Comprehensive training for local teams

Praesens Care integrates a broad service offering and a fleet of go-anywhere vehicles, to ensure impactful interventions in the field. A dedicated and multi-skilled team of physicians, lab technicians, epidemiologists, health professionals, drivers, service technicians and quality managers are key to success.

The BIONEARs are built and equipped to offer a wide scope of health services. With the modular design, you can plug in the necessary high-quality lab equipment to ensure an appropriate deployment to the area in need.

The vehicle has minimal installation time and is immediately deployable. Even long deployments in remote areas are possible thanks to the go-anywhere and self-sufficient infrastructure.

BIONEAR®

THE OUTCOME WE AIM FOR



Higher patient coverage



Quicker results close to the patients



Accurate diagnosis for appropriate treatments



Higher biosafety



Surge capacity and clinical decongestion

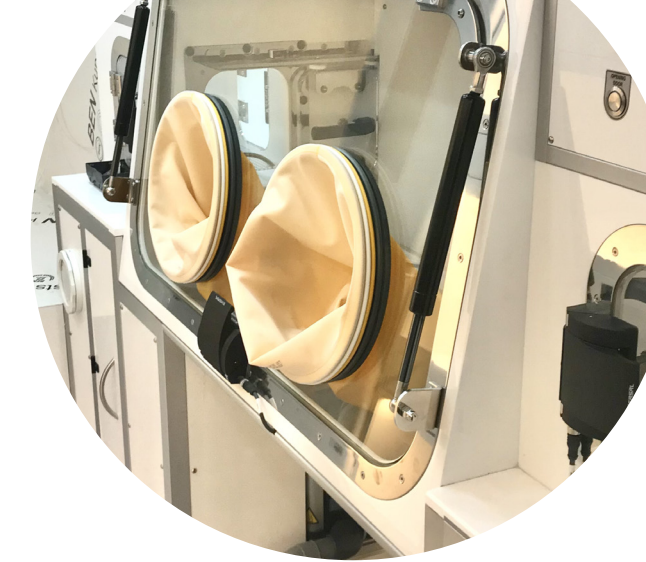


Capacity building with qualified staff and infrastructure

BSC-III isolator and laminar downflow workstation

Closed, under-pressured BSC-III isolator and laminar downflow workstation for handling all classes of infectious pathogens that protect both the user and the sample.

Integrated H₂O₂ decontamination system.



Customizable Open Platform

Flexible workspace and various diagnostic instruments ranging from clinical chemistry, hematology analyzer, serology reader as well as fully automated PCR-based molecular diagnostics and NGS-based systems for wide-spectrum detection.

This ensures preparedness for a new (un)known disease such as Pathogen X. The Praesens Care assay menu can cover most of WHO's Essential Diagnostic List.



Solar Panels

Mounted on the roof and serve to complement the energy supply.



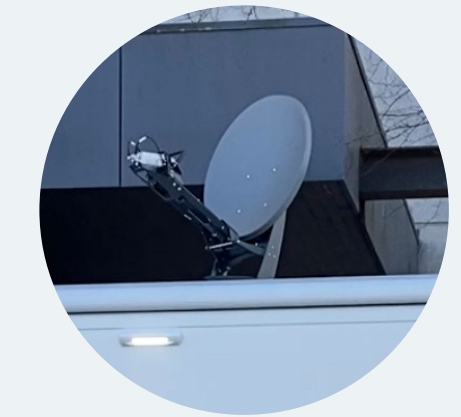
Silent generator and lithium batteries

Powerful generator and state-of-the-art lithium-ion batteries on board to guarantee full operational autonomy.



Fridge and portable freezer

Cold chain capabilities ranging from +4°C to -20°C and -80°C, allow to preserve inactivated samples, reagents and vaccines.



Telecommunication system

Permanent connectivity of the BIONEAR is enabled through both cellular and satellite communication systems.



Secured sample hatch

To bring infectious samples directly into the isolator.

Badge access for lab door and sample hatch, authorized personnel only.



Hydraulic Levelling System

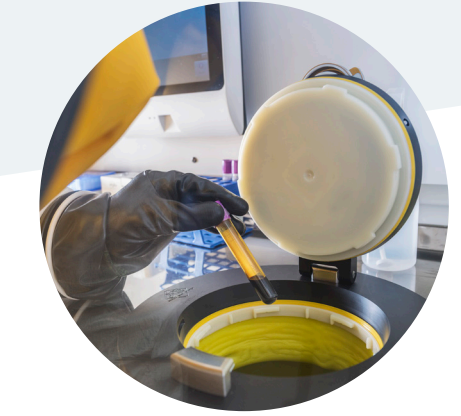
Using a control panel located inside the cabin or with the hand-held remote control, it automatically stabilizes the lab to a completely level position in under 5 minutes.

Specialized stabilization tiles allow for deployment on soft and uneven terrain.



Lab air conditioning

The lab room is kept at controlled temperature even in hot (up to 54°C) and humid environments.



Biohazard waste container

Safely connected to the inside of the isolator to ensure operators' safety and easily removable for transportation to an incinerator.