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Laboratorio Higuera Escalante: DONOR MAX Mobile Hemocenter Unit

NINOX DONOR MAX is an advanced mobile unit for blood banking and collection in remote territories.

CLIENT

Higuera Escalante · Blood Bank

LOCATION

Norte de Santander, Colombia

YEAR

March 2018

ninoxcorp.com

CLIENT

Higuera Escalante · Blood Bank

BLOOD-BANK DONATION HEALTHCARE MOBILE HIGUERA-ESCALANTE NORTE-DE-SANTANDER

> *Inspired by the vision of the founder of the prestigious Laboratorio Higuera Escalante, NINOX designed and manufactured NINOX DONOR MAX, an advanced mobile unit for blood banking and collection.*

01

Decentralising Transfusion Services

The need was to decentralise transfusion services and expand blood component collection coverage to towns, rural settlements and remote communities across the national territory.

02

Regulation, Biosafety and Thermal Control in Motion

The challenge was to ensure strict compliance with demanding legal regulations, microbiological protocols and clinical thermal control while operating itinerantly across the complex topography and tertiary roads of Colombia’s mountainous geography.



DONOR MAX interior: four donation stations, dual LG climate control, integrated audiovisual system with red ambient lighting

03

A High-Power Mobile Hemocenter with Intelligent Design

We built a mobile hemocenter on a high-power International chassis with reinforced suspension and integral aircraft-grade thermal and acoustic insulation. It incorporates automatic ergonomic donor couches of exclusive NINOX patented design, which move instantly into the Trendelenburg position through automated controls in the event of dizziness, redundant industrial air conditioning for the cold chain, internet connectivity, multimedia systems and panic buttons. Its dual-function intelligent cab transports staff safely and converts on site into a private administrative office for confidential screening interviews.



Panoramic view of the donation stations: ergonomic biomedical chairs on both sides of the central corridor



Close-up of a donation chair with electronic position controls, clinical compartments, and operator panel

04

A Model of Institutional Trust for the Public Health Network

Meticulous compliance with biosafety and hygiene regulations consolidated this unit as a model of institutional trust for strengthening the public health network.



DONOR MAX on the road — Higuera Escalante's mobile blood bank, designed and built by NINOX Corporation, Norte de Santander, 2018

"A demonstration of how technological self-sufficiency and intelligent design come together to take specialized healthcare to the most remote locations."