NINOX

HEALTHCARE · ECMO · CRITICAL CARE TRANSPORT · 2025

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Hospital Internacional de Colombia (HIC): Mobile ECMO Unit

Advanced life-support mobile infrastructure for critical care transport with ECMO technology.

CLIENT
HIC · TAM-FCV Urgencias

LOCATION
Floridablanca, Santander, Colombia

YEAR
September 2025

CLIENT

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ECMO AMBULANCE HEALTHCARE CARDIOVASCULAR EMERGENCY FLORIDABLANCA SANTANDER

> *Together with Hospital Internacional de Colombia (HIC), NINOX led a milestone in pre-hospital medicine on the continent by designing one of the region's most sophisticated mobile life-support infrastructures.*

01

Re-Engineering Critical Care Transport

The country required a complete re-engineering of critical care transport to enable the safe and timely transfer of highly complex patients whose survival depends on advanced external cardiac and respiratory support.

02

Colombia’s First ECMO Ambulance

Designing Colombia’s first ambulance with ECMO technology (extracorporeal membrane oxygenation) required the integration of a redundant stabilised power architecture and high-security structural anchoring for artificial lungs and hearts, within an environment of maximum spatial optimisation.

Medical module interior: glass cabinets for ECMO supplies and certified stretcher

Double rear access door with clinical-spectrum LED lighting

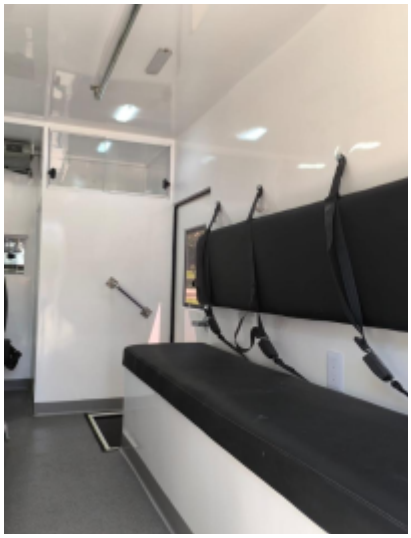
03

Advanced Support with Rigorous Clinical Ergonomics

We manufactured an advanced support unit with rigorous interior ergonomics, allowing a multidisciplinary medical team to work in full comfort and safety, with unrestricted manoeuvrability during critical emergencies in transit.

Lateral view: the HIC ECMO Ambulance in its distinctive institutional crimson

Front view on Foton Aumark chassis — an imposing presence on the road



Crew bench for the ECMO team: physician, perfusionist, and assistant

04

National Leadership in High-Complexity Medical Transport

Built under the strictest current healthcare standards and regulations, the unit confirms NINOX's technological and engineering leadership in Colombia for the development of high-complexity medical transport solutions.

Official handover: the ECMO Ambulance ready for its first mission in Floridablanca

"This pioneering milestone is clear proof that high engineering applied to cutting-edge medicine saves lives in real time."