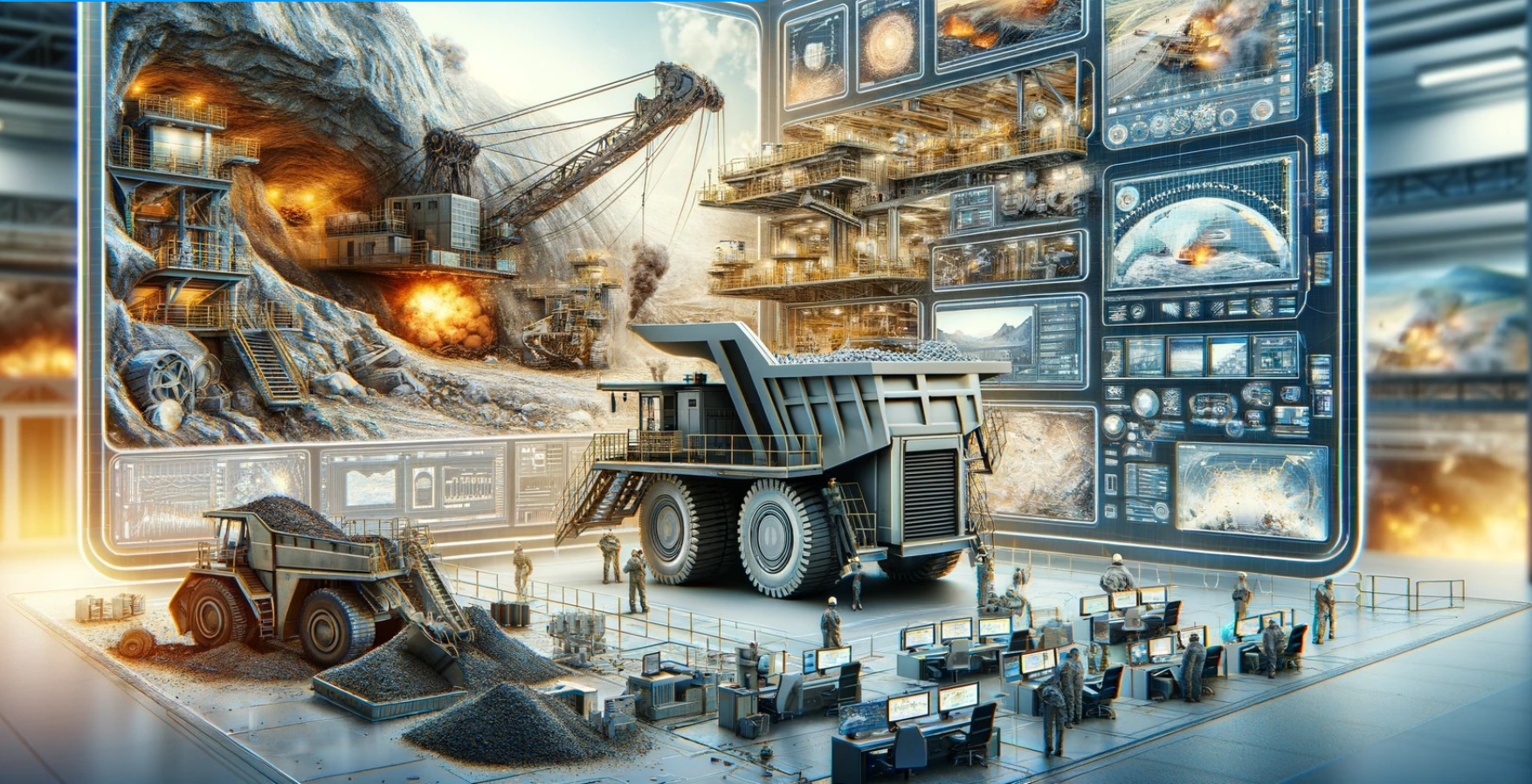


## The future of digital fatigue and drowsiness management





# BUSINESS CASE

# CASA

Construcción y Administración S.A.



Colombia, Ecuador, and  
Peru



Construction



<https://www.casacontratistas.com/>

# CLIENT PROFILE

## Construcción y Administración S.A. - CASA



Construcción y Administración S.A. (CASA) is one of Peru's leading infrastructure contractors, part of Ecuador's Grupo Hidalgo e Hidalgo (HeH), with operations in Peru, Colombia, Ecuador, Honduras, Bolivia, and El Salvador. Founded in 1975.

CASA has built or rehabilitated 3,430 km of roads and manages 1,954 km in road concessions. Flagship projects: Autopista del Sol, IIRSA Sur Tramo 5, Red Vial N°6, and Terminal Portuario Yurimaguas. ISO 9001, 14001, and 45001 certified since 2012.



**51** years in the market

**+5,000** employees







# BUSINESS CASE

Client: CASA

IDENTIFIED PROBLEM



# Fatigue in mining: A SILENT ENEMY PRESENT IN OPERATIONS

Paquete 4A2 is a road maintenance contract under the MTC/Provías Nacionales framework, with crews performing maintenance and rehabilitation on national road corridors during extended shifts.

Initial biometric monitoring revealed that 64% of the 140 workers presented clinically significant fatigue risk — a figure that far exceeded safe thresholds under DS 024-2016-EM and Law 29783, indicating acute exposure across the entire crew.



**64**

Workers with Fatigue-Associated Risk



# BUSINESS CASE

Client: CASA

STRATEGY, ACTION PATHS,  
RESULTS

# TECHNOLOGY WITH MINING EXPERTISE SUPPORTING HEALTH AND SAFETY

Logifit was deployed for all 140 operators in a structured pilot, integrated into CASA's ISO 45001-certified safety management system, adapting the technology to road construction field conditions.

Sleep monitoring with smartbands and PVT cognitive alertness tests were applied on a continuous basis. Fatigue risk dropped from 64% to 8% — an 87.5% reduction — enabling a cycle of supervisor alerts and corrective rest protocols on-site.

**140** operators



Logifit

# A PREVENTIVE SAFETY VISION

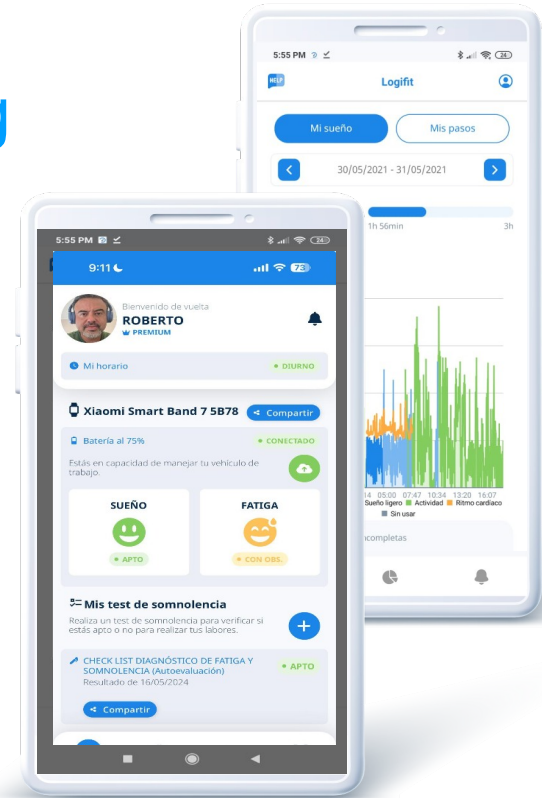
changing the paradigm and innovating

CASA's commitment to operational safety delivered measurable results throughout the Paquete 4A2 deployment, reinforcing a culture of prevention and well-being for all personnel.

The Logifit model integrates technology + ongoing support services, and has positively influenced a more robust safety culture and a user-friendly control that directly impacts the health and well-being of field personnel.

*“Integrating fatigue monitoring into our ISO 45001 system allowed us to shift from a reactive incident response to proactive risk control across every active road package.”*

**CRISTOPHER ERNESTO RODRIGUEZ VILCA,**  
**SSOMA Supervisor —**  
**CASA Construcción y Administración S.A.**



**Logifit**



**CASA**

Construcción y Administración S.A.

<https://www.casacontratistas.com/>

# TRANSFORMING BENEFITS INTO WELL-BEING RESULTS



**PERSONAL  
FATIGUE  
RATE**

**BEFORE**

**64**

Workers with  
Fatigue-  
Associated Risk

**BENEFIT**

**+87.5**



**NOW**

**8%**

Workers with  
Fatigue-  
Associated Risk

*“From 64% to 8% fatigue risk — the data speaks for itself.”*

**NICOLE VASQUEZ REYNA**  
**SSOMA Supervisor — CASA Paquete 4A2**



**Logifit**

# Logifit

The future of digital fatigue and drowsiness management

