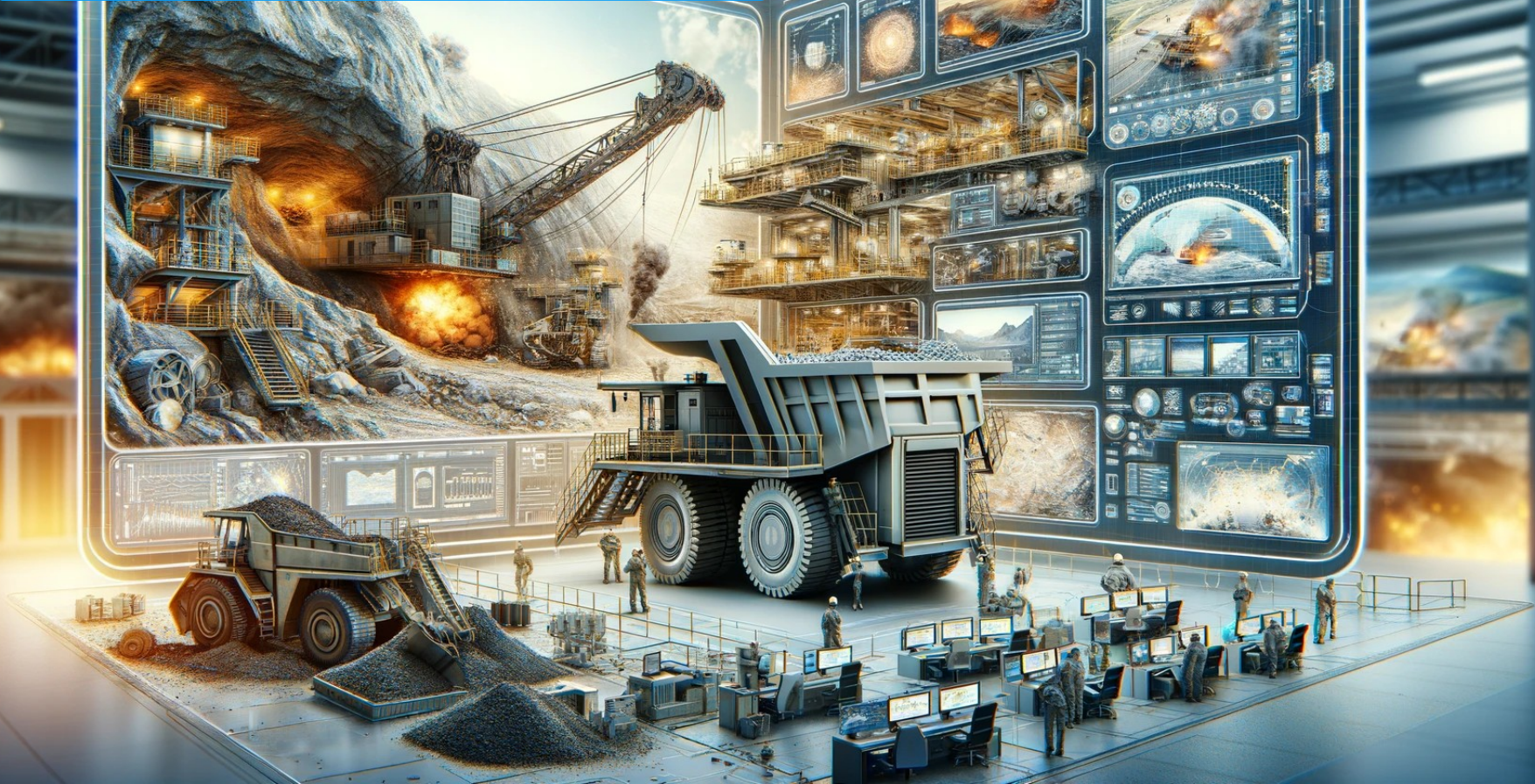


The future of digital fatigue and drowsiness management





BUSINESS CASE

CASA

Construcción y Administración S.A.



Colombia, Ecuador, and
Peru



Construction



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

CLIENT PROFILE

CASA · Construction and Administration



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 under 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, among other large-scale projects.



51

years in the market

+500

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 in Peru, with crews performing maintenance and rehabilitation on national road corridors during extended shifts (2 work shifts — Day and Night — operating across various sections of the total 142 km road.

Initial biometric monitoring revealed that 71% of the 570 workers exhibited clinically significant fatigue risk — a figure far exceeding safe thresholds under DS 024-2016-EM and Law 29783, indicating acute exposure across all crews.



71
%
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 570 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 continuously. Fatigue risk dropped from 71% to 5% — a 93% reduction — enabling a cycle of supervisor alerts and corrective rest protocols on-site.

570 operators

2 shifts

CASA
Construcción y Administración S.A.



Logifit

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

A PREVENTIVE SAFETY VISION

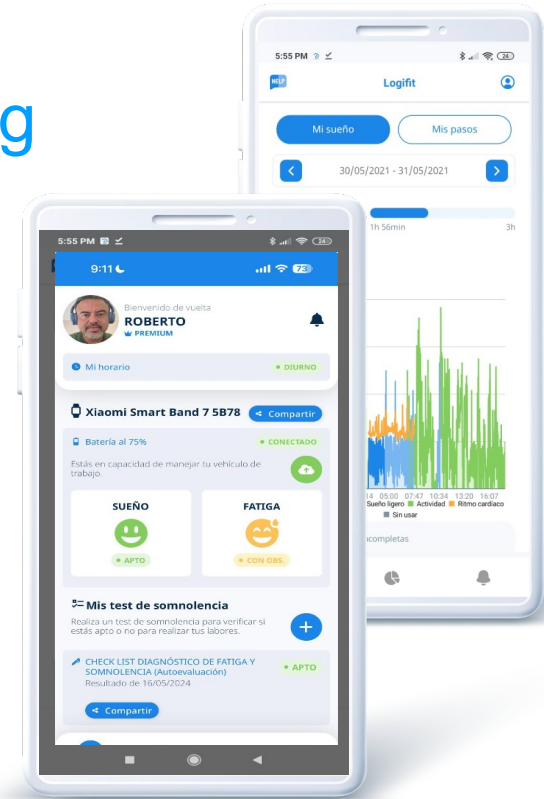
changing the paradigm and innovating

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 system 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,
EHSS Supervisor —
CASA Construcción y Administración S.A.





CASA

Construcción y Administración S.A.

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

TRANSFORMING BENEFITS INTO WELL-BEING OUTCOMES



BEFORE

71

Workers with
Fatigue-
Associated Risk

BENEFIT

+93



NOW

5%

Workers with
Fatigue-
Associated Risk

“From 71% to 5% fatigue risk — the data speaks for itself.”

NICOLE VASQUEZ REYNA
EHSS Supervisor — CASA Paquete 4A2



Logifit

The future of digital fatigue and drowsiness management

