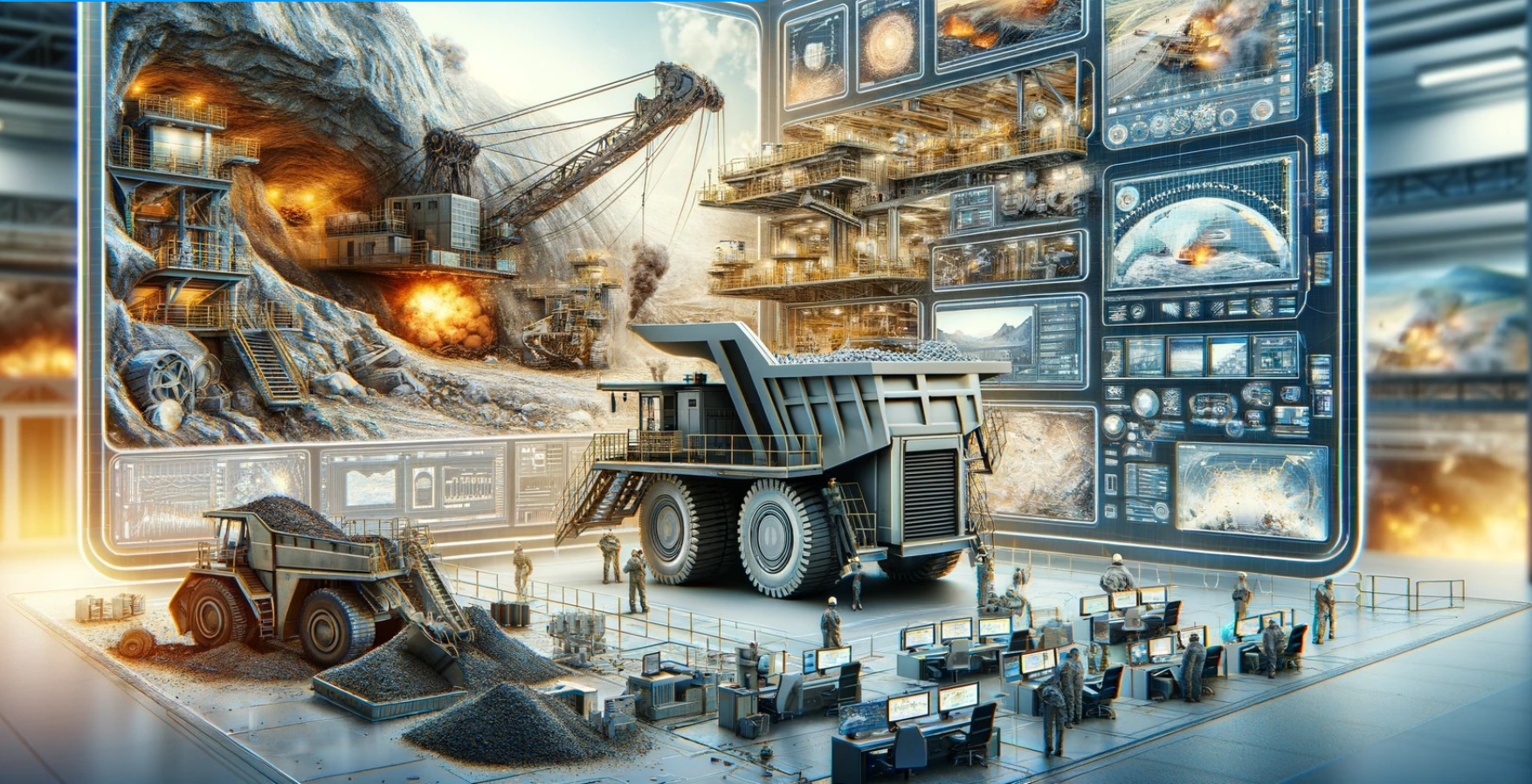


## The future of digital fatigue and drowsiness management





# BUSINESS CASE



**OH LA**  
Progress Enablers



Peru and Spain



Infrastructure



<https://www.ohla-group.com/>

# CLIENT PROFILE

## OHLA · MADRID, SPAIN

OHLA (Obrascón Huarte Lain) is a global infrastructure group headquartered in Madrid, active in Europe, the U.S., and Latin America, with a branch in Peru operating since 1999 in highways, mining, and building construction.

In Peru, OHLA has more than 3,500 workers, a machinery fleet valued at over USD \$50M, and contracts with Anglo American, Antamina, and Las Bambas.

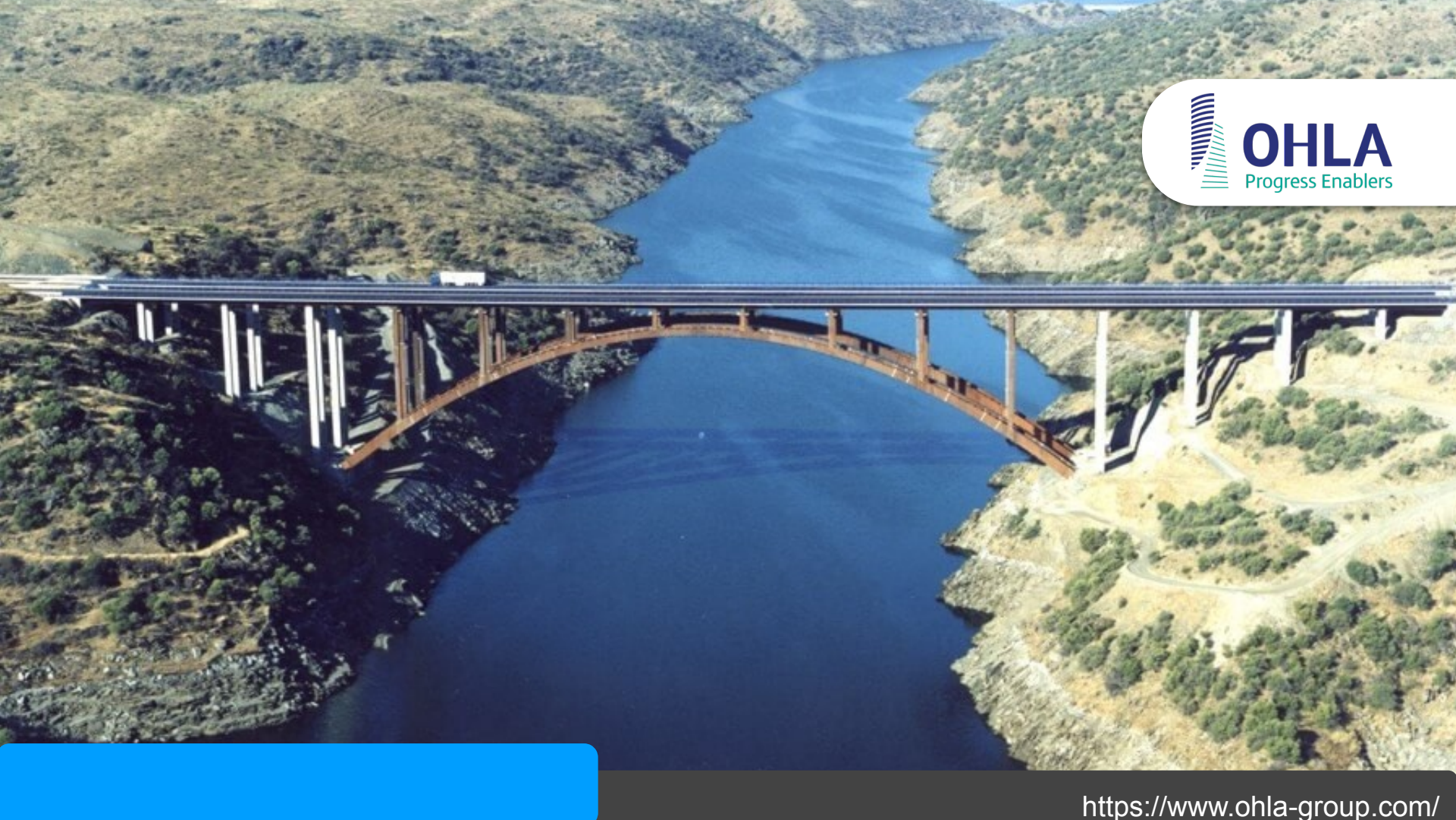
**1** years in  
the market

**3500** employees

**3**

Logifit





**OHLA**  
Progress Enablers

# BUSINESS CASE

Client: OHLA  
IDENTIFIED  
PROBLEM

# Fatigue in mining: A SILENT ENEMY PRESENT IN OPERATIONS

The Huarmey Sector 2 front (Lower Section) is a large-scale project on the Peruvian coast. Rotating shifts, remote camps, and sustained physical labor create high exposure to chronic fatigue.

Baseline monitoring of 221 operators revealed that 72% presented fatigue-related risk — a critical threshold where heavy machinery, riprap placement, and proximity to active watercourses demand full cognitive alertness.



**72**  
Workers with  
Fatigue-Related  
Risk



# **BUSINESS CASE**

Client: OHLA

**STRATEGY, ACTION PATHS,**  
**RESULTS**

# TECHNOLOGY WITH MINING EXPERTISE SUPPORTING HEALTH AND SAFETY

**Logifit was deployed across all 221 operators, integrating sleep monitoring via smartbands into the project's safety management system to detect fatigue before shift start.**

With continuous wearable data (smartbands), psychomotor vigilance tests (PVT), and driver monitoring systems (DMS), the program reduced fatigue risk from 72% to 7% — a 90% reduction — establishing a replicable early-warning and intervention protocol.

**221**  
operators

**2**  
shifts

Logifit



# A PREVENTIVE SAFETY VISION

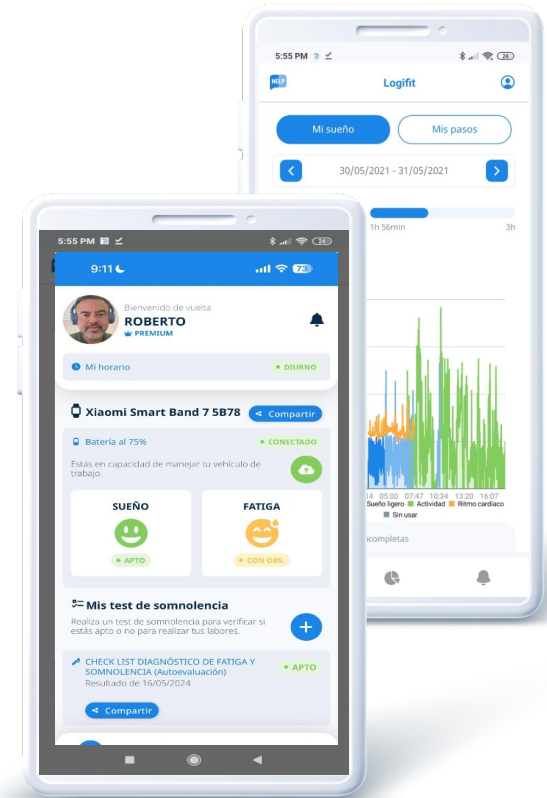
## changing the paradigm and innovating

OHLA's commitment to operational safety delivered measurable results throughout the deployment at Defensas Ribereñas Huarmey - Sector 2, reinforcing a culture of prevention and well-being for all personnel.

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

*“This project along the Huarmey River protect the population from flooding such as the 2017 Coastal El Niño phenomenon — a mission that demands zero tolerance for operator fatigue.”*

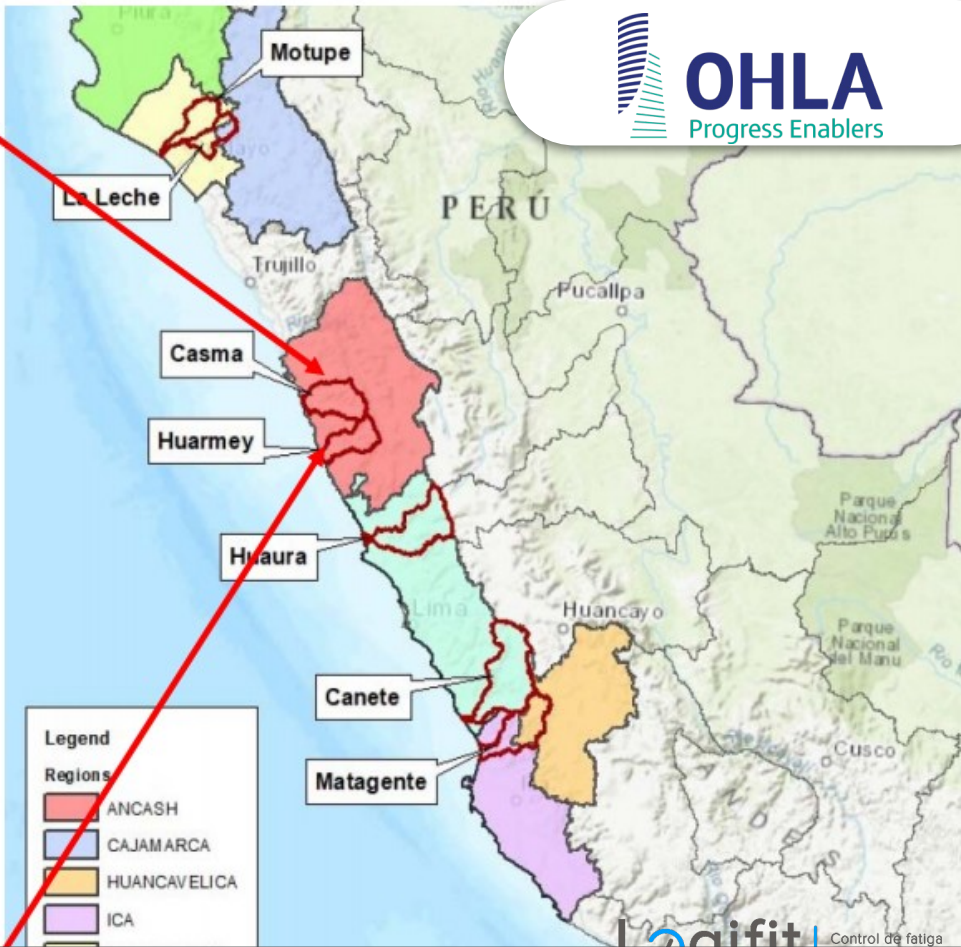
**Safety & Operations Context — OHLA Huarmey Project**



**Logifit**

<https://www.ohla-group.com/>

# RÍO CASMA



# TRANSFORMING BENEFITS INTO WELL-BEING OUTCOMES



**BEFORE**

**72**

Workers with  
Fatigue-Related  
Risk

**BENEFIT**

**+90**



**NOW**

**7%**

Workers with  
Fatigue-Related  
Risk

*“Fatigue risk reduced from 72% to 7% across 221 operators — a 90% reduction on an active riverbank defense construction site.”*

**Logifit Deployment — Defensas Ribereñas Huarmey Sector 2**



## The future of digital fatigue and drowsiness management

