



Emotional, Relational, and Social Intelligence

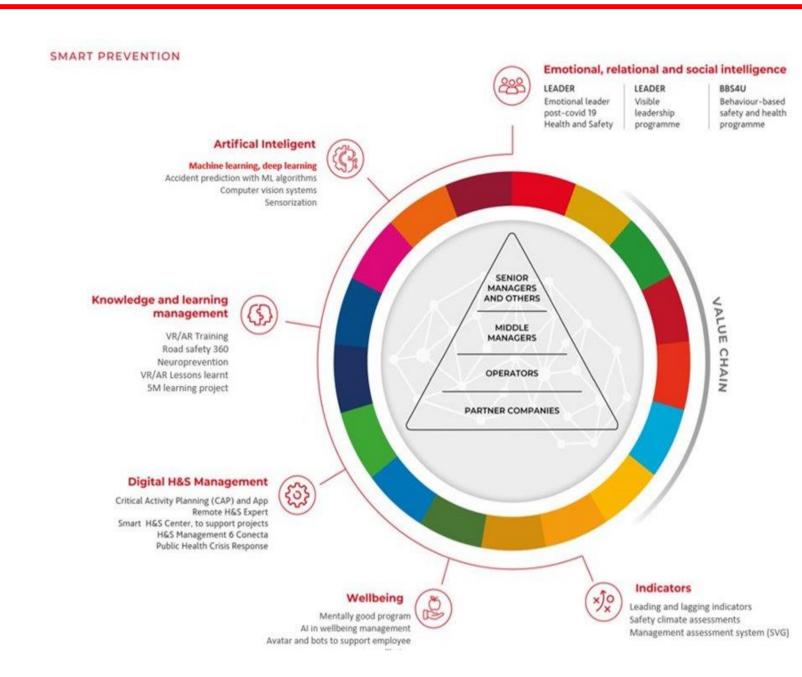
To encourage a culture of care, collaboration, and psychological safety at all levels.

Artificial Intelligence (AI) in Safety

To utilize AI technologies such as machine learning, computer vision, and sensorization to predict, detect, and prevent safety risks, enabling data-driven and proactive safety management

Knowledge and Learning Management

To enhance workforce capability and safety awareness through immersive and continuous learning tools (e.g., VR/AR), structured knowledge sharing, and cognitive-based prevention strategies.





Digital Health & Safety Management

To implement digital platforms and tools that enable real-time monitoring, centralized coordination, and agile response to health and safety issues across project sites and operational teams.

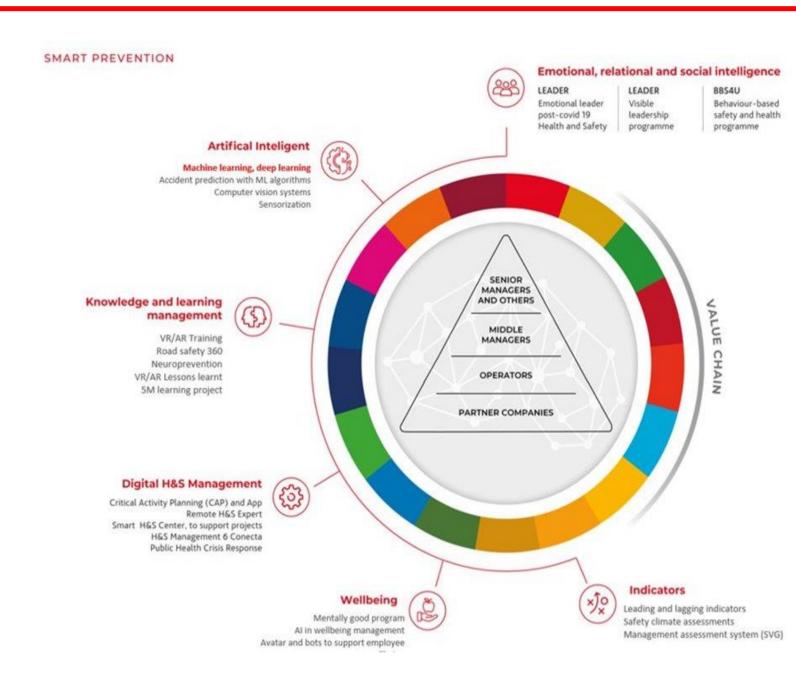
Wellbeing

To integrate mental and emotional well-being into safety programs, ensuring a healthy, supported, and resilient workforce through accessible AI tools and structured well-being initiatives.

Indicators

To establish a robust system for measuring safety performance through leading and lagging indicators, workforce perception assessments, and structured evaluation tools for continuous improvement.

InterNAL. This information is accessible to ADB Management and Staff. It may be shared outside ADB with appropriate permission.



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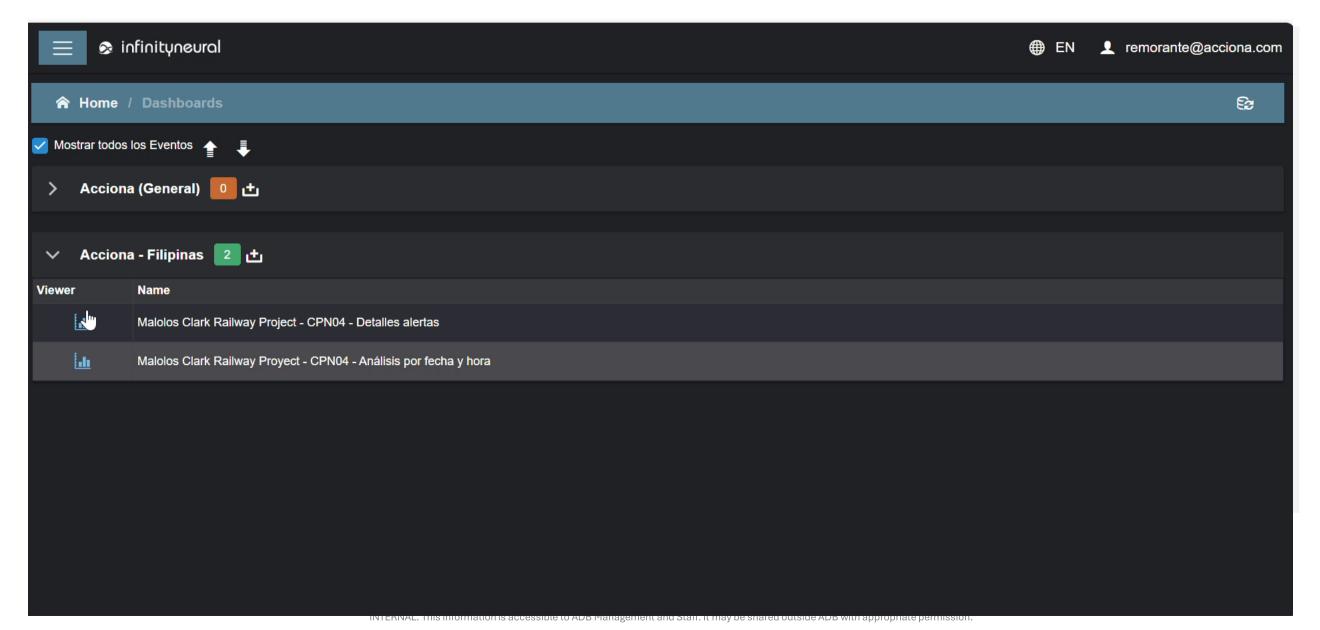
Real case: Al cameras in Malolos-Clark CPN04





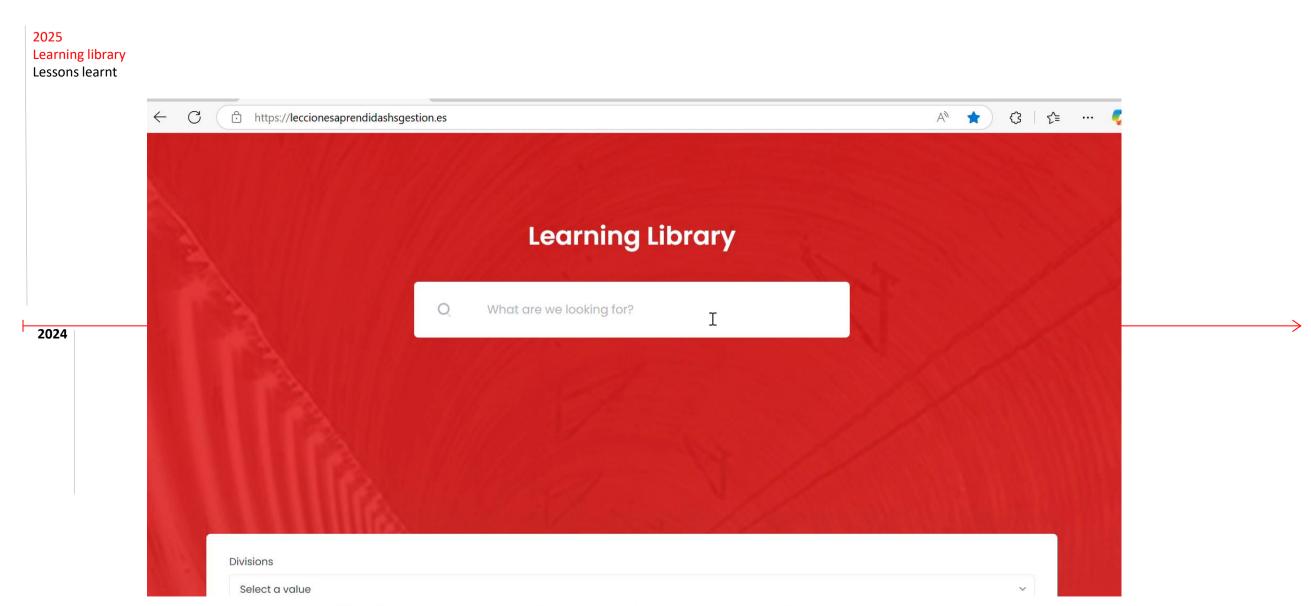
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Real case: Al cameras in Malolos-Clark CPN04

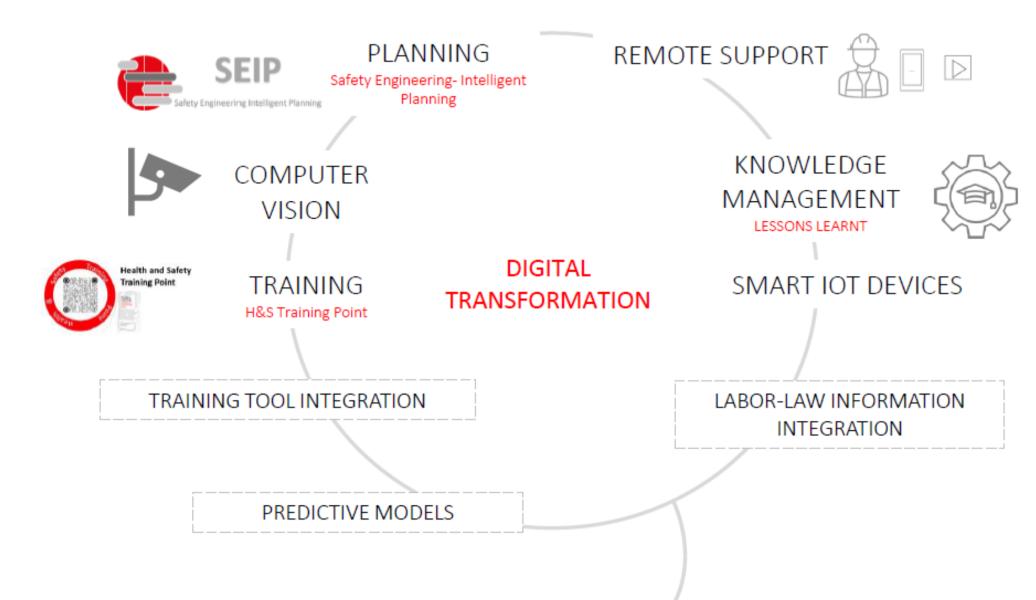


ACCIONA HEALTH & SAFETY

Evolution and Implementation in Philippines



Al – Current use (Integration)





SMART CENTER

DATA ANALYTICS REAL TIME MANAGEMENT

AI – Current practical use

DATA MANAGEMENT AND ANALYSIS



Patterns and predictions



Probabilities and trends

EVENT MANAGEMENT



Alarms



Alerts

PREDICTIVE MODEL



Inspection



Accident rate

- Preventive management model rather than corrective management model
- Optimization of time and resources
- Identifying opportunities for improvement and adopting new strategies
- Market differentiation
- Predictive analytics, use of historical data to identify patterns and trends

AI - NEXT STEPS

VISUALIZATION in the Smart Center

INTEGRATING NEW VARIABLES
Incident investigations
Alarms / Alerts
Corrective actions

CHANGES IN ORIGIN TOOLS to increase the number of data feeding the model

INTEGRATE PUBLIC DATA BASES related to our verification system

GENERATING BEHAVIOUR
PROFILES in the performance of
OHS management

TRAINING PROGRAMMES In data analysis and visualization

A MORE PREDICTIVE/

PREVENTIVE

MANAGEMENT MODEL

THAN A CORRECTIVE

ONE

