



A Product of
eDOT Solutions

Smarter Seas Begin with Smarter Vision

AI-powered maritime monitoring that transforms cameras into real-time safety and compliance intelligence.

Redefining Safety at Sea with Intelligent Vision



INTRODUCTION:

eVa Smart Eye brings real-time artificial intelligence and onboard analytics to maritime operations.

It delivers precise AI-driven monitoring, offline reliability, and intelligent safety compliance. The system continuously tracks compliance, identifies potential risks, and supports incident management to enhance overall safety performance.

KEY BENEFITS:

24/7 AI Surveillance — Always-on protection, even offline.

Fewer Safety Incidents — Aimed at reducing onboard safety violations.

Fleetwide Analytics — Central dashboard to track safety & compliance.

Bandwidth-Efficient Alerts — Transmits only critical incidents.

Seamless Integration — Works with existing CCTV systems.

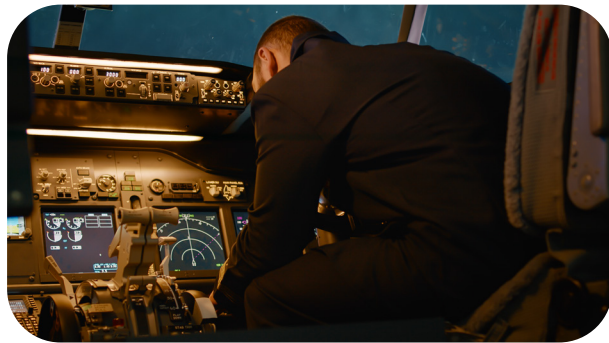


Traditional Safety Monitoring Can't Keep Up



THE PROBLEM

Manual observation and periodic inspections are no longer enough. Human monitoring misses critical moments, satellite transmission is expensive, and compliance tracking across fleets is inconsistent. These gaps lead to unreported violations, delayed responses, and safety risks that cost lives.



KEY LIMITATIONS:

Manual Oversight Gaps — Human error and limited attention span.

Delayed Reporting — Incidents reviewed only after escalation.

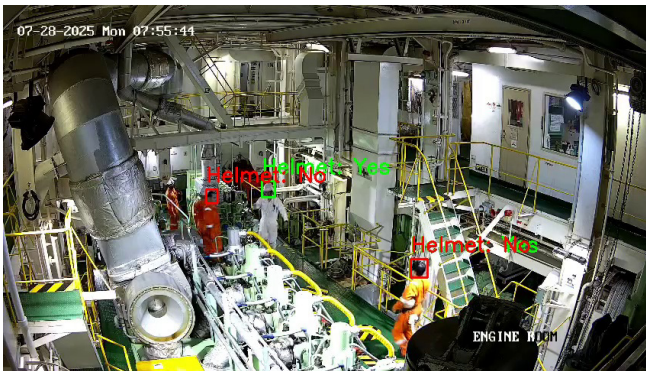
Bandwidth Constraints — Video transfer drains costly satellite data.

Fragmented Compliance Data — Difficult to analyze fleet wide performance.

Lack of Predictive Insight — Issues are detected at a late stage, limiting opportunities for timely prevention.



AI-Powered, Real-Time Maritime Safety System



THE SOLUTION

eVa Smart Eye transforms every onboard camera into a smart safety sentinel.

By processing video locally and analyzing behavior through AI, it detects non-compliance, fatigue, unsafe practices, and anomalies instantly—without relying on high bandwidth or constant connectivity.

KEY FEATURES

Helmet & PPE Detection — It flags missing safety gear in real time.

Fatigue & Distress Recognition — Identifies exhaustion and stress early.

Tank Entry & Confined Space Monitoring — Ensures safety in hazardous areas.

Anti-Smuggling & Piracy Watch — Detects unauthorized or suspicious activity.

Anchor & Mooring Oversight — Prevents operational failures and line breaks.

Smart Alerts System — Sends only relevant incident snapshots ashore.

Centralized Analytics Dashboard — Tracks fleet performance & training needs.



Transforming Maritime Safety with AI-Powered Intelligence

ABOUT US

At eDOT Solutions, we're redefining maritime operations through intelligent, data driven innovation. Founded by Mariners. Perfected by technology. AI driven.

With 35 years of seafaring expertise and over two decades of software, 3D, and AI innovation, we bridge maritime experience with next-generation digital technology.

eVa Smart Eye is the latest innovation from eDOT Solutions — an AI-powered maritime monitoring system designed to detect risks, ensure compliance, and support decision-making.

Built for the unpredictable conditions of the sea, it transforms onboard cameras into intelligent safety assistants, giving fleets continuous awareness even in limited connectivity.

WHAT SETS US APART

Every product we build is shaped by professionals who've lived the challenges of maritime operations. We combine domain knowledge with cutting-edge AI research to deliver solutions that are reliable, efficient, and future-ready.

At eDOT Solutions, we don't just create technology — we create trust.

Our goal is simple: empower maritime organizations with intelligence that strengthens confidence, protects crews, and redefines what safety means at sea.



Built for the Sea. Designed for Every Operation.



Smart Eye in Action

01

Helmet & PPE Detection

Ensures every crew member complies with safety gear requirements — minimizing risk and improving audit readiness.

02

Fatigue & Distress Recognition

Identifies fatigue and distress indicators early through visual behavior cues, preventing potential accidents.

03

Tank Entry Monitoring

Validates safe entry into confined spaces and ensures supervision during critical maintenance tasks.

04

Anti-Smuggling & Piracy Watch

Detects suspicious movement or unauthorized access onboard, enhancing vessel security and crew awareness.

05

Anchor & Mooring Watch

Monitors mooring operations and line integrity to prevent equipment damage and operational downtime.

Unique Selling Propositions



Built for Maritime Operations

Designed to operate reliably under marine conditions—resisting vibration, heat, and humidity—to ensure performance where standard AI systems fail.

01

02

Adaptable and Scalable

Modular design allows easy integration of new AI models and analytics as fleet needs evolve — from safety compliance to behavioral monitoring.

03

AI-Driven Insight, Offline Reliability

Processes and analyzes video directly onboard, operating seamlessly even without network connectivity.

04

Bandwidth-Efficient Architecture

Only critical events are transmitted ashore — saving satellite bandwidth while keeping shore teams informed.

05

Crew-Centric Design

Simple dashboards and ranked alerts give captains and safety officers quick, actionable insights for faster decision-making.



**Leadership Rooted in Maritime Experience,
Driven by AI Innovation**

| CONTACT US

 +91 0832 250 1715

 contact@edot-solutions.com

 <https://www.edot-solutions.com>

 India: Rukmini Towers, Vasco Da Gama, Goa 403802
U.S.A: Yorktown CT, Malvern, Philadelphia PA 19355.