

VyO Vision

Adaptive Safety HUD Platform

AERS-Integrated Adaptive HUD for Real-Time Safety &
Emergency Response

Patent Pending (April 2026)

VyO Vision is an intelligent safety platform combining AERS, adaptive optics, and HUD technology for mission-critical visibility.

Problem

- Low visibility
- Delayed reaction to hazards
- Split attention between road and instruments

Real Story (Emotional Impact)

- A woman crashed off an expressway bridge.
- She was trapped for **6 days**.
- Nobody could see her.
- Nobody could hear her.
- She almost died alone.

Source: ABC7 Chicago News

If she had VyO Vision, she would have been detected instantly.

VyO Vision exists to prevent situations like this.

Solution

VyO Vision Solution

- HUD projection (speed, alerts, orientation)
- Adaptive vision correction (liquid lens)
- Hazard detection alerts
- AERS emergency response
- Offline operation

Why Now? (Market Timing)

- Rising accidents
- EV/autonomous growth
- HUD adoption increasing
- Aviation safety demand

How It Works

- Sensors track motion/orientation
- Optics adjust vision in real time
- Processing unit analyzes environment
- HUD displays critical info
- AERS triggers response when needed

Differentiation

No existing solution combines:

HUD + adaptive optics + AERS + orientation +
hazard detection + offline capability

Traction

- Working prototype built
- 14+ years development
- Patent pending
- Early investor/industry conversations

Market

- Fleet
- Automotive
- Aviation
- Aerospace

Business Model

- Fleet partnerships
- OEM licensing
- Enterprise subscriptions
- Safety services

Go-To-Market

- Fleet pilot programs
- Safety partnerships
- OEM integration
- Expansion to aviation/aerospace

Funding Ask

Raising \$2M seed

- Patent completion
- Hardware refinement
- Fleet pilots
- Manufacturing setup

Founder/Closing

- Catherine Jones — Founder & CEO
Creator of VyO Vision (since 2010)
Working prototype built
- VyO Vision
AERS-Integrated Adaptive Safety Platform