



LUMINYS LumiTech standardizes 70+ Gulf Coast vessels from land to sea.

The Challenge

- 70+ tugboats and barges with fragmented legacy surveillance systems.
- Harsh Gulf Coast conditions: vibration, humidity, salt spray, and limited space.
- Multiple interfaces, playback procedures, and remote-access methods slowed support and incident review.

The Solution

- Golden Technologies implemented a fleet-standardized LUMINYS “From Land to Sea” architecture.
- Turret cameras with LumiDeterrent for rugged exterior deck coverage.
- N5P panoramic cameras with 180° Stitched Multi-Sensor + LumiDeterrent for engine-room awareness.
- R52/R54 NVRs with LumiSearch for unified recording, playback, and intelligent object search.



Project Overview Location

Gulf Coast & inland waterways



Partner

Golden Technologies, LLC



Technologies Deployed

LumiSearch | LumiTracking
LumiDeterrent 180° Stitched Multi-Sensor

The Impact

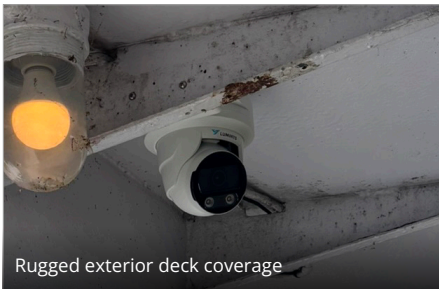


LumiSearch

On the LUMINYS R52/R54 NVRs, AI-driven search and unified playback help shore-side teams review incidents faster and reduce operational variability across the fleet.

Fleet-Wide Standardization

Six vessels have been deployed to date - five tugboats and one barge - creating a repeatable blueprint for 8 to 16 cameras per vessel and simpler crew training, configuration, and support.



Weather-resistance

Built with a rugged housing to withstand constant salt-spray and high-pressure washdowns, providing crystal-clear visibility in the harshest Gulf Coast weather.



LumiDeterrent

Turret cameras add full-color imaging, red/blue lights, built-in speaker warnings, and deterrent-ready visibility for harsh Gulf Coast exterior environments.



180° Stitched Multi-Sensor LumiDeterrent

N5P panoramic cameras deliver a 180-degree field of view from a single ceiling mount, helping eliminate engine-room blind spots in confined, high-vibration spaces.



"With LUMINYS, we're delivering a fleet-standardized solution that ensures consistency across all vessels."

- Blake Liner, Golden Technologies