Roebling Labs LLC

We build vessel collision warning systems for vulnerable bridges.

Roebling Labs assigns threat levels to AIS-equipped vessels by combining real-time transponder tracking, trajectory forecasting, and AASHTO impact analysis.

Problem

NTSB Recommendation H-25-030 to *"incorporate motorist warning systems capable of activating when a threat is identified and stop motorists from entering the bridge."*

Solution

Roebling Labs' system provides real-time risk information on AIS-equipped vessels. Bridge operations staff evaluate and respond to alerts as appropriate to communicate with vessels and close and open traffic gates.

We assess AIS-equipped vessels based on the probability of aberrancy and consequence of collision.

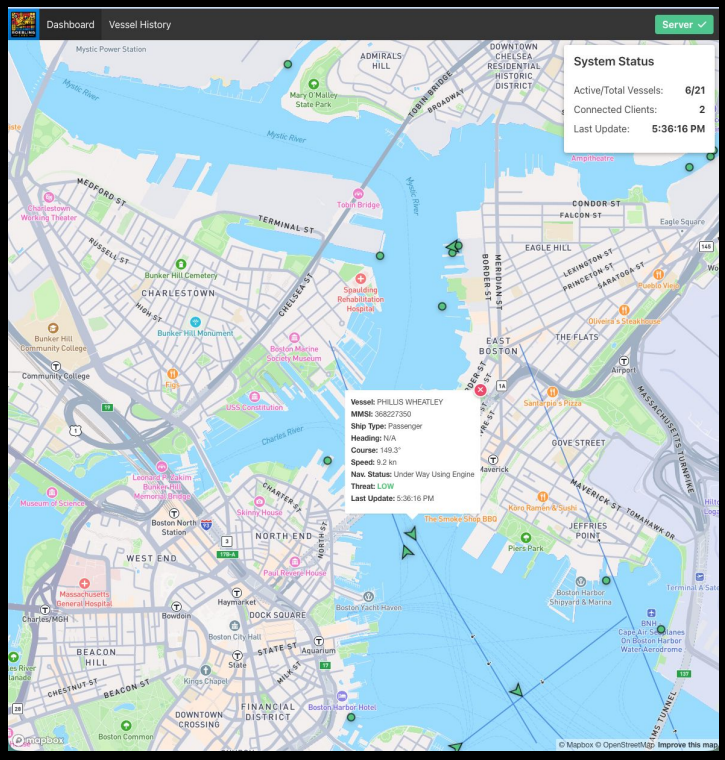

Figure 1 - See Dashboard at vesselcollision.com

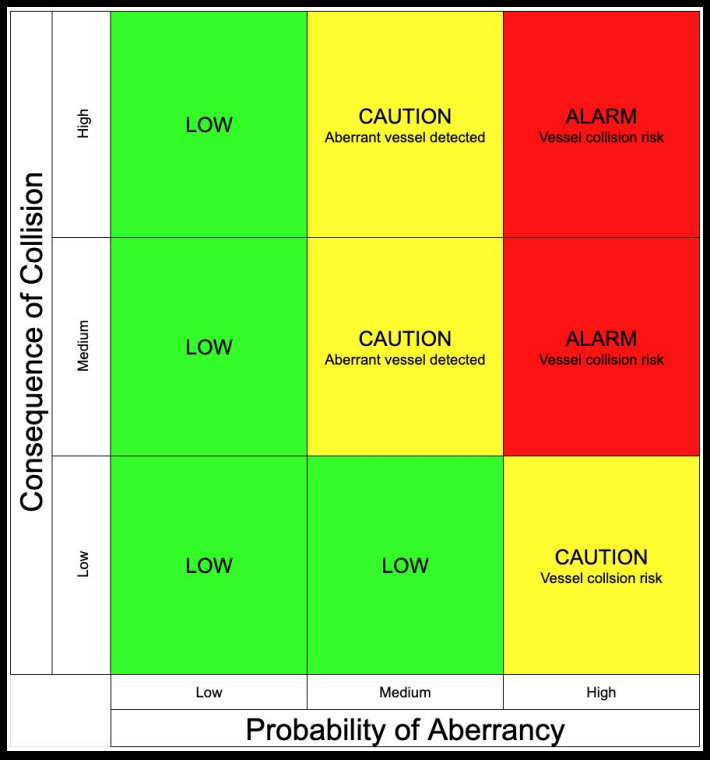

Figure 2 - Risk Matrix for Assessing Vessel Threat

About Us

roeblinglabs.com

Roebling Labs LLC is a resident company at The Engine "Tough Tech" incubator built by MIT.
Bentley Systems, the makers of Microstation CADD software, funded our development program.

Scott Snelling, P.E.
CEO
20+ Years in bridge industry

Josh Burnett
Chief Technical Officer
20+ years designing electronics and software for life-safety critical medical devices and laboratory instrumentation