Hullproof: Intelligent Hull Integrity for the Modern Fleet

Turn inspection footage into auditable, actionable data in minutes.

Automated Analysis | Auditable Insight | Fleet-Wide Intelligence

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Operational Clarity, Compliance, and Cost Control

The new standard for managing hull assets across worldwide operations.

Operational Velocity

Move from inspection to decision in minutes, not days. Eliminate manual review time.

Audit-Ready Compliance

Structured output aligned with IMO Biofouling Record Book & Class guidelines. One place to pull evidence.

Commercial Edge

Eliminate the “negative spread” of fuel drag and unnecessary cleaning. Visualize the Cost of Inaction.

Hullproof provides one clear picture of hull condition across the fleet, reducing risk and operational delay.

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The Hidden Cost of Unstructured Data

The administrative friction is self arcimporter ırot in a maritime desk.

Subjective Assessments

Reports rely on human variance. One inspector's 'clean' is another's 'dirty.'

Data Silos

Critical video footage is trapped on hard drives or USB sticks, disconnected from fleet dashboards.

Delayed Decisions

Waiting days for a PDF report allows fuel costs and biological risk to mount.

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From Raw Video to Structured Insight

Input
DIN Pro Medium

Upload Video
(ROV, Diver, GCS)

Processing
DIN Pro Medium

AI Validation & Analysis
Fixed Model Versions
Low Temperature Sampling

Output
DIN Pro Medium

SCOPE: Not just fouling. We analyze **algae**, **corrosion**, **structural damage**, **propeller condition**, **anode status**, and **coating degradation**.

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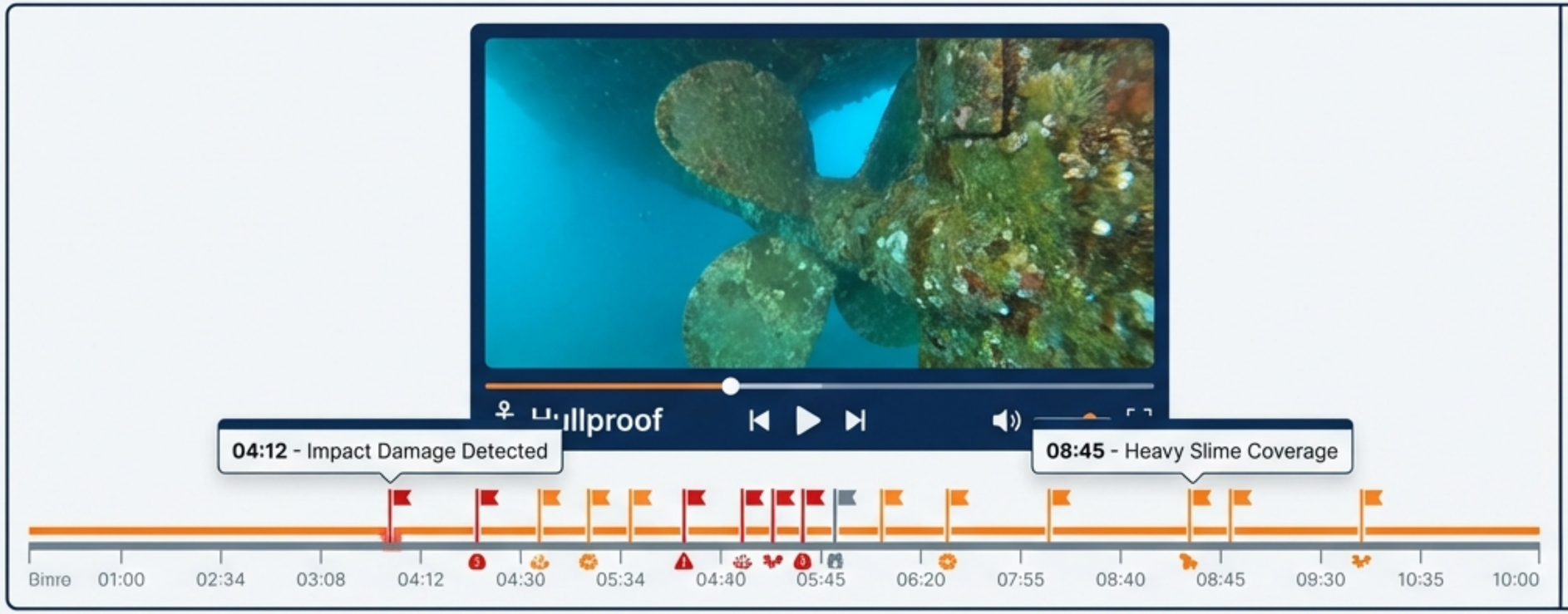
Decision-Grade Reports in Minutes

Speed eliminates the gap between inspection and action.



SUMMARY DATA	
Status:	Complete
Process Time:	14 Minutes
Detections:	18

Automated Detection:
Algorithms instantly identify problem areas (slime, barnacles, damage).

Timestamped Precision:
Every defect is pinned to a specific moment in the footage and location on the hull.

Action-Oriented:
Results lead directly to recommended next steps (Clean, Inspect, Repair).

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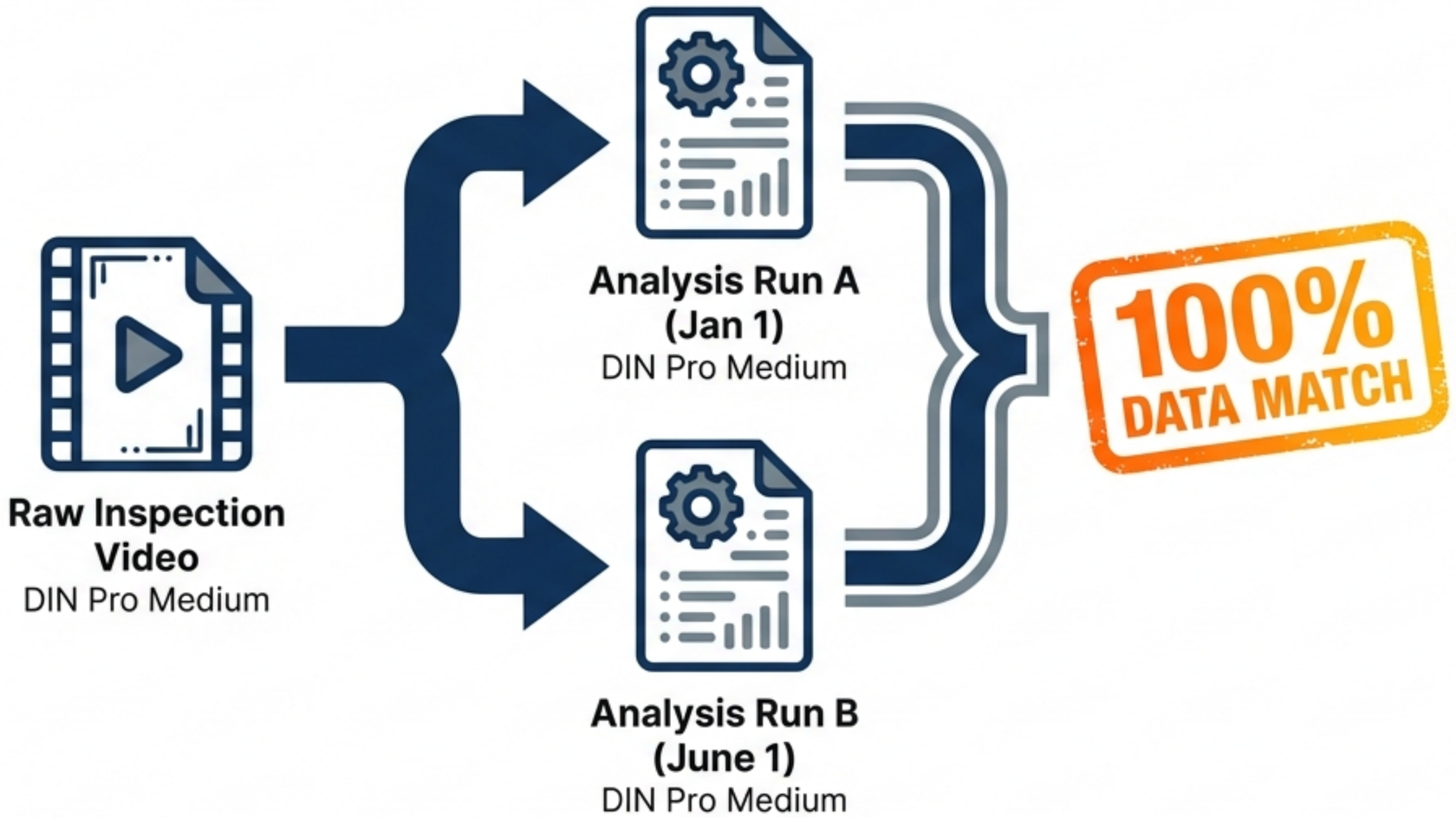
Reproducible Results Across the Fleet

One source of truth. Same input = Same result.



The “Human Variance” Problem: Removed

We use schema validation and fixed model versions to ensure an inspection doesn’t flip between “clean” and “dirty” depending on the viewer.

One Analysis, Many Views

The same core data generates the Technical Superintendent’s dashboard and the Class/Compliance PDF.

Predictability

The basis for trust in compliance reporting.

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Your Data, Secured and Verified

Digital Chain of Custody.

Immutable Audit Trail

Every analysis is stamped with an input hash, output hash, model version, and timestamp. You can prove exactly what was analyzed and when.

Data Sovereignty

We do NOT train our AI on your proprietary fleet data. Your data stays in your tenant.

Enterprise Security

Tenant isolation, Auth0 integration, and strict access controls.

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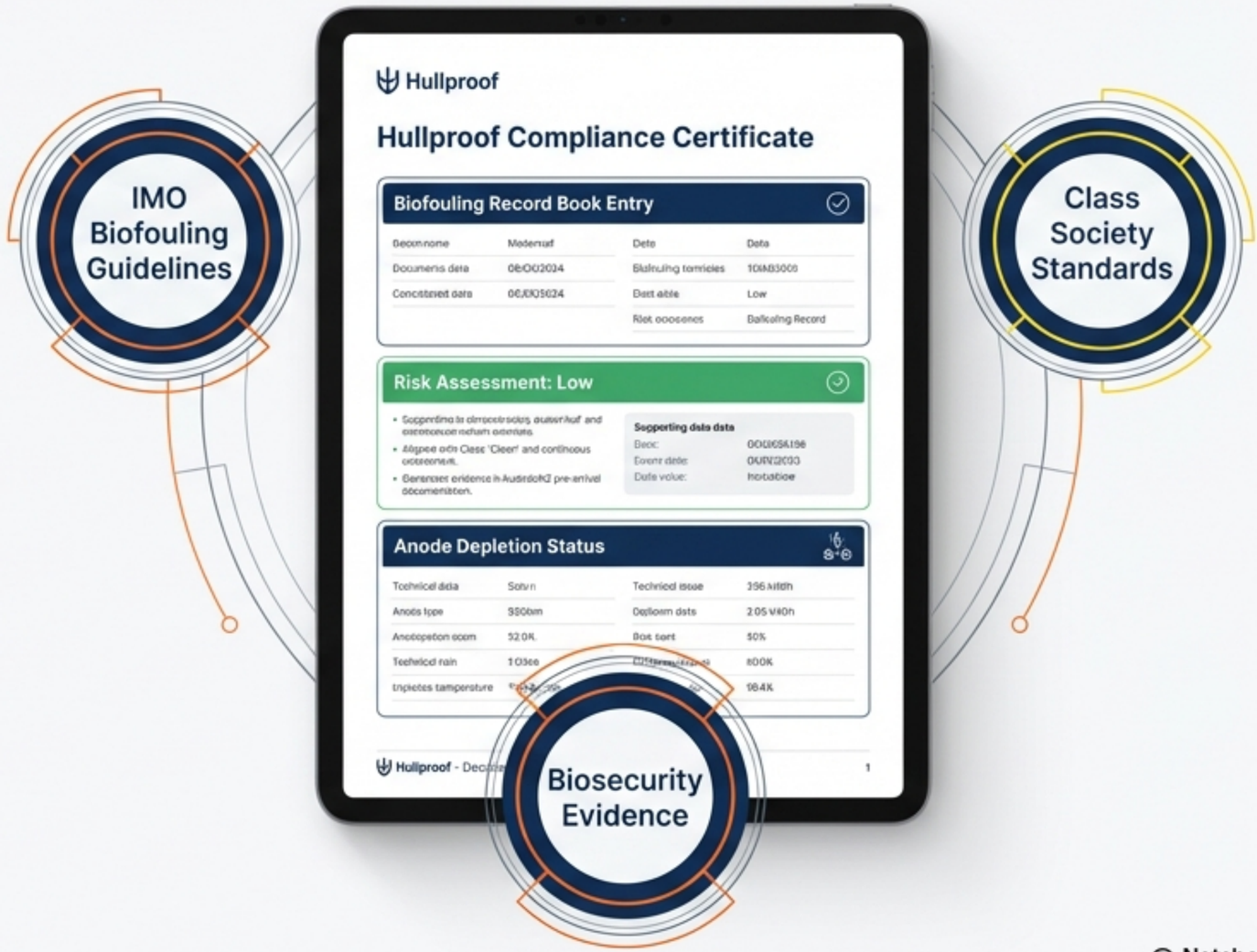
Ahead of the Regulation Curve

Structured documentation for an evolving regulatory landscape.

Supports Biofouling Record Book evidence requirements.

Aligned with Class ‘Clean Hull’ and continuous assessment concepts.

Generates evidence for Australia/NZ pre-arrival documentation.



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Visibility into the Cost of Inaction

Hull condition is a financial metric.

Financial Dashboard Widget

Est. Fuel Penalty:
4.2%

Voyage Cost Impact:
+$12,400

- **The Negative Spread:** We price the gap between theoretical and real performance caused by drag.
- **Future-Proofing:** Connecting hull state to TCE (Time Charter Equivalent), spot rates, and EU ETS impact.
- **Risk Reduction:** Catch issues before they become port rejections, warranty disputes, or H&M claims.

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The Lifecycle Platform

A single ecosystem for asset integrity, from inspection to forensics.

More than a report—a permanent digital record of the asset's life.

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Flexible Integration & Quality Assurance

A streamlined process for reliable insights and scalable deployment.

1. Quality Assurance

Video Validation:
Resolution, Duration, Codec Check.

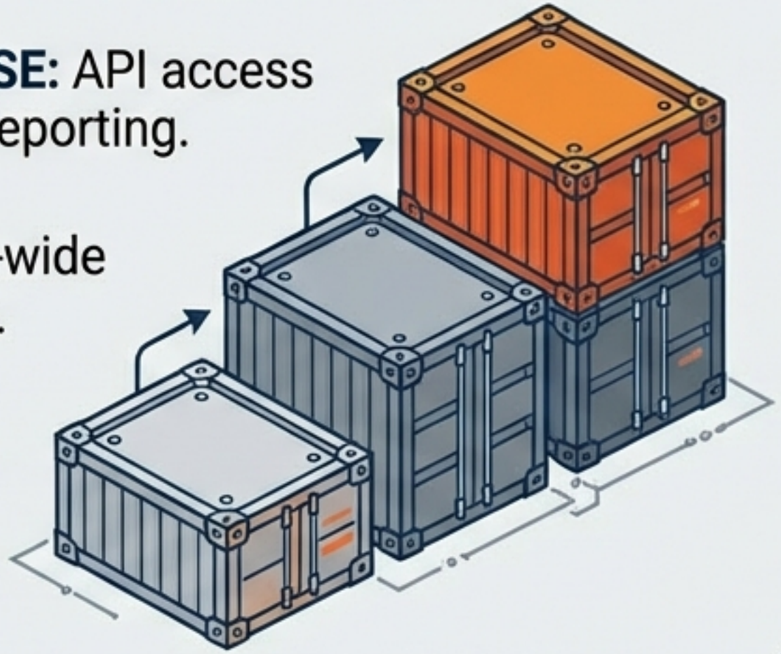
Good input = Reliable output.

2. Select Package

ENTERPRISE: API access & custom reporting.

PRO: Fleet-wide integration.

STARTER: Ad-hoc analysis.



Built for commercial shipping, but battle-tested core technology applies to defense and other maritime sectors.

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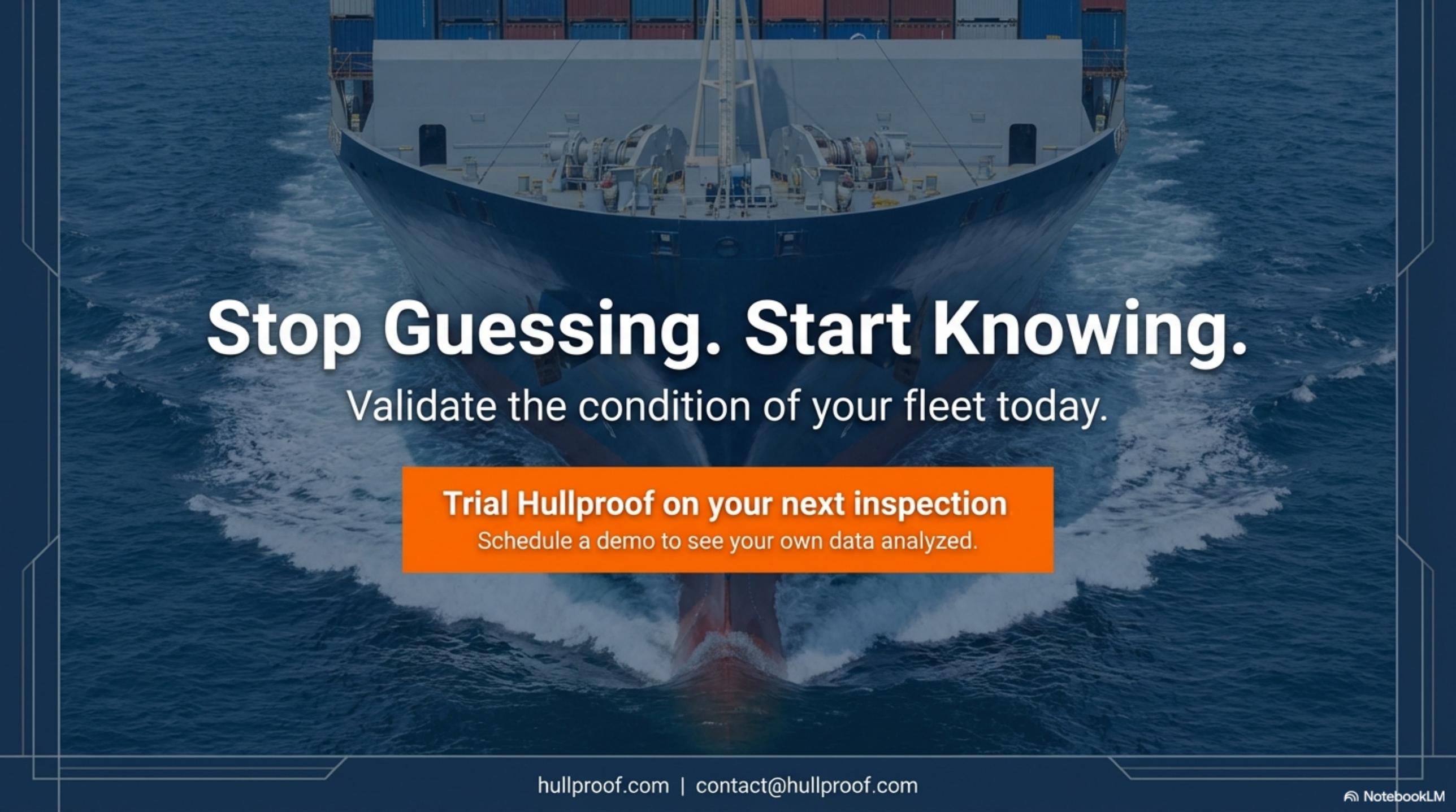
Stop Guessing. Start Knowing.
Validate the condition of your fleet today.
Trial Hullproof on your next inspection
Schedule a demo to see your own data analyzed.
hullproof.com | contact@hullproof.com

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