

PRIVACY-BOUNDED WATCHKEEPING-STATE SIGNALS

# From hidden watchkeeping risk to measurable exposure

## Instrument the watch, not the officer.

Navigation losses can contain a hidden human-factor layer: fatigue, distraction, weak bridge occupancy context and attention drift. Aware Mate supports earlier on-board intervention and creates privacy-bounded leading indicators for loss-prevention review.

**Loss-prevention signal path**  
Aggregate-first review - no default shore video

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    graph LR
      1((1)) --> 2((2))
      2 --> 3((3))
      3 --> 4((4))
  
```

1 Signal → 2 Support → 3 Review → 4 Dialogue

Signals support the watch. Human review stays in context.

**Loss-prevention review**

Coverage **93%**    Exposure **trend**    Context **route**

Signals

Context review

Governed review

**Why this matters**

Collisions, groundings and contacts may look simple after the fact, while the watchkeeping state remains hard to reconstruct cleanly.

**What it is**

An on-board, human-in-the-loop vigilance and watchkeeping support layer. Not crew scoring. Not remote CCTV by default.

**Insurance value**

Supports loss-prevention dialogue, auditable leading indicators and better post-loss context for risk engineering and claims review.

**How a club or insurer can engage**

Use a selected-member pilot with agreed leading indicators, privacy/SOP boundaries, simple KPIs and a close-out review. Decide whether to scale, brief underwriters, or incorporate lessons into loss-prevention guidance.

<b>Operational evidence</b> 72h live bridge run <i>Pilot-readiness evidence, not claims-reduction or underwriting proof.</i>	<b>98.7%</b> uptime	<b>2.4 s</b> P95 latency	<b>0.08/h</b> false critical	<b>93%</b> coverage	<b>4.6/5</b> crew acceptance
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**Discuss a member pilot or loss-prevention framework**

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