Maritime Use-Case for AI-Driven Vessel Monitoring, Built on the Admiral Platform API

The Challenge:

Connectivity is vital when navigating the seas. Every byte of bandwidth matters—and every second counts.

The Goals:

Reduce dependency on centralized dashboards
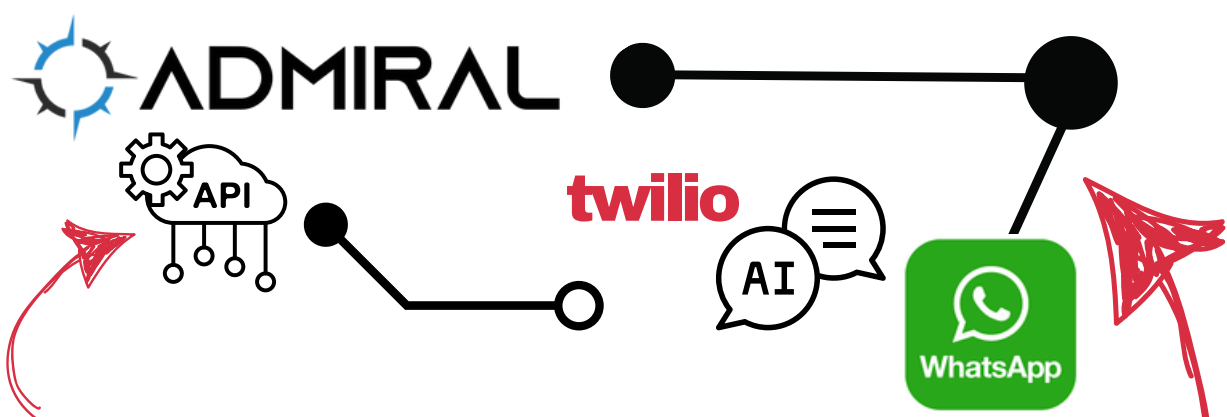
Empower crew with real-time MikroTik visibilty

Improve the responsiveness of support teams

Make life for seafarers as **easy** as possible

The Solution:

ADMIRAL

API

twilio

AI

WhatsApp

With Admiral's secure REST API, Space Vision connected their AI powered WhatsApp Chatbot (via Twilio) to a lightweight Node.js backend that:

- Authenticates and queries the Admiral API.
- Interprets questions using a natural-language AI model.
- Formats answers with emojis, tags, and real data pulled live.

The Results:

85% of status checks now handled through whatsapp

Average response time < 3 seconds

Reduced tier 1 support load by 30%

Increased field satisfaction across vessels worldwide

Real-time router health checks

Vessel-specific connectivity reports

Natural language conversations with a smart assistant

Secure, low-bandwidth mobile access to critical data

"The AI bot lets us skip the dashboard and get what we need with one message. It's fast, accurate, and always on."

— Assad Khan, Space-Vision