

Nautic Alert[®]

Innovative, disruptive
forward-thinking.



Advanced Security | Tracking | SMART Geofence | Autonomous Bilge Mgt | Tender Watch | and more...

The platform for autonomous control, surveillance, safety and communication.

Modern Solution

Nautic Alert is the new modern platform for advanced yacht security and surveillance, tracking and autonomous oversight of critical systems with decision-making and control capability providing exceptional reliability and simplicity based on intelligent machine learning and SMART sensors. Nautic Alert keeps you in control and connected on board or away enabling proactive behavior through early event detection giving you the full picture of what's unfolding in real-time using accurate measured data, while eliminating false-positive notifications.

Nautic Alert[®] VTracker

Designed to track your boat or yacht with high precision using the award winning Nautic Alert SMART geofence and the Iridium[®] NEXT global satellite network – PLUS MORE. Compliant with Insurance Requirements.



VTracker Capabilities

- SMART Geofence
- Advanced Anchor Alarm
- Engine Kill Switch Output
- Bilge Pump Switch Input
- Intrusion Detection Input
- DC Battery Volts & Trending
- Cloud Watch Anti-Theft
- Backup Battery Input
- SOS Button Input

Nautic Alert[®] X2 Platform

Designed as an onboard machine learning platform operating 15+ integrated applications to keep you in control aboard and ashore with Iridium[®] NEXT Global Satellite or Verizon 4G LTE using an MFD touchscreen for simplicity.



X2 Capabilities

- Advanced Bilge Mgt
- SMART Geofence
- Advanced Anchor Alarm
- North American VMS
- Advanced Yacht Security
- Worldwide Emergency SOS
- Smartphone Text Requests
- Onboard Text Messaging
- Temperature Monitoring
- Vessel Locator
- Vessel Tracking
- DC Battery Volts Trending
- DC Battery Volts Monitoring
- Man Overboard (MOB)
- AC Shore Power Detection
- Multi-Banks Volts Trending
- Multi-Banks Volts Monitoring
- N2K (Coming 2019)

Nautic Alert Insight X2

Early Event Detection With Intelligent Decision-Making.



When it comes to protecting your family, crew and your boat or yacht, Nautic Alert is like having a tenacious 1st mate on board around the clock. Operating more than 15 applications on a single platform, you gain capabilities that deliver the insight and protection you deserve for a peace of mind.



Backed by a Two-Year limited warranty.

Measured Data for Results

Making informed decisions requires data. Insight's machine learning detects events with data before you experience a problem.

Intuitive Interaction

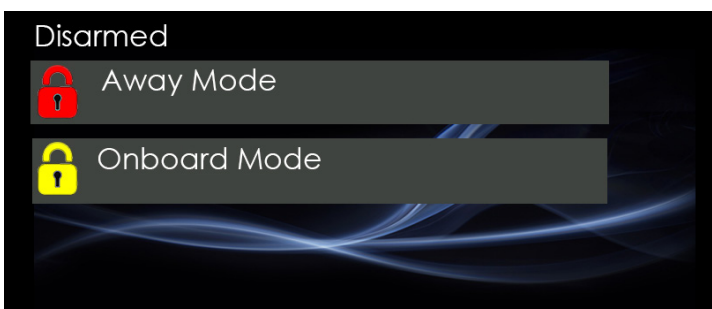
Touch Screen for simplicity. Text messages, email or My Insights Portal to remain connected to your yacht.

Advanced Design

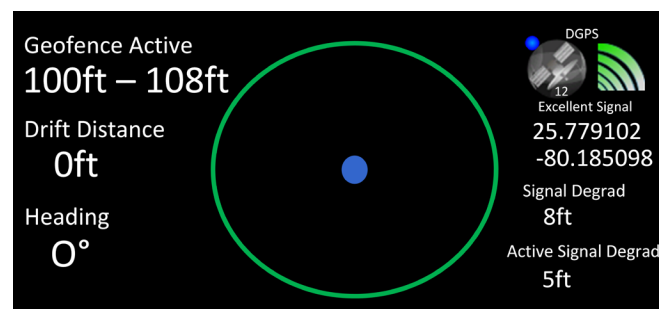
Patented and engineered for the marine environment using ultra low power consumption and the Iridium NEXT satellite or Verizon 4G LTE for communication.

Integrated Bilge, Anchor & Security Alarm

Integrated audio indicators that protect.



You can rest knowing Nautic Alert is on duty.



You can anchor and get a good night sleep.

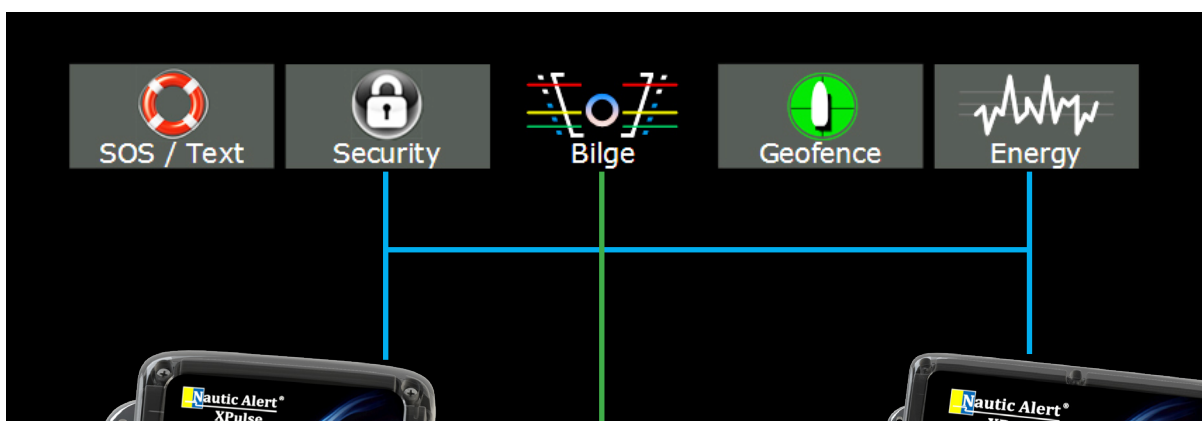
NAUTIC ALERT INSIGHT

- Vessel Locator
- Vessel Tracking
- Single DC Battery Bank
- Geofence / Anchor Alarm
- Emergency SOS *
- Global Texting
- Cloud Watch Anti-Theft
- Smartphone Text Requests



Configured for Iridium Satellite or Verizon Wireless 4G LTE.

Equipped with WiFi Interface for Receiving New Application Capabilities.



NAUTIC ALERT XPULSE

- AC Shore Power
- Multi Battery Bank Voltage
- Multi Battery Bank Trending
- Wired Security Sensors
- Wireless Siren
- Float Switch Input

NAUTIC ALERT XPULSE PLUS

- AC Shore Power
- Multi Battery Bank Voltage
- Multi Battery Bank Trending
- Wireless Security Sensors
- Wireless Siren
- Float Switch Input



NAUTIC ALERT NEVATA

- Measures Water Level
- Controls Bilge Pump(s)
- Detects Events
- Bilge Compartment Temperature

Nautic Alert Nevada™



Nautic Alert Nevada™ is a SMART sensor and bilge pump controller that detects bilge related events before the occurrence of a high water bilge condition using its advanced Multi-Fault Assessment capability. Nevada communicates information to Nautic Alert Insight in real time using the integrated Nautic Alert Wireless Sync network.



Measure, Learn and Control

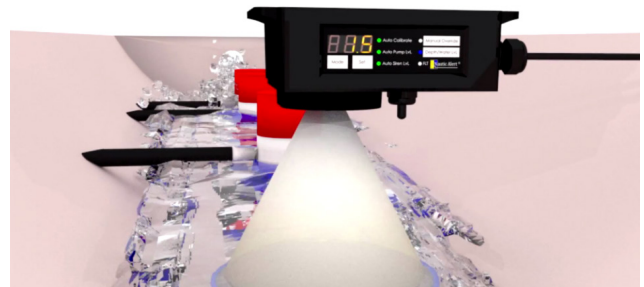
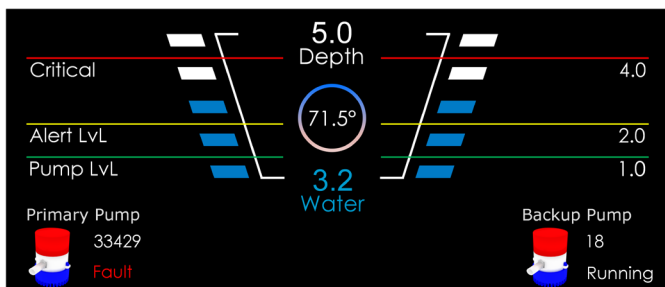


Centralized Management with Insight

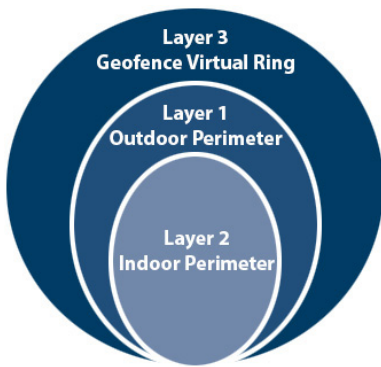
- Configure each Nevada using a one-step setup.
- Manually operate pumps from a single location.
- Operational status for each pump.
- Pump counters showing total activations.
- Water level and temperature for each bilge compartment.

Nevata's Leading Edge Technology learns the attached single or dual bilge pump characteristics with or without water level measurements to control the pump activities based on automated decision-making.

Nevata uses soundwaves to measure water level in each bilge compartment from above the waterline and knows exactly how much water is in the bilge down to 1/10th of an inch, for early event detection.



Security and Surveillance



Unmatched Yacht Security Protection using a 3-Layer Security Defense Strategy for the Ultimate Intrusion Detection Solution on the Market.

An authorized party attempts to board your yacht when you least expect it, and you are informed before they even step on your deck.

Layer 1 Protection with outdoor microwave sensors and FLIR-based thermal imaging cameras.



The beauty and elegance of your yacht deserves hidden intrusion detection sensors behind a cabinet or bulkhead to catch the unexpected. **Layer 2 Protection** with radar based detection technology.



Your Yacht is unexpectedly towed away or your anchor slips in the darkness of the night, but you are informed when the yacht location changes by 50 feet with accuracy.

Layer 3 Protection with Nautic Alert geofence and anchor alarm detection technology.

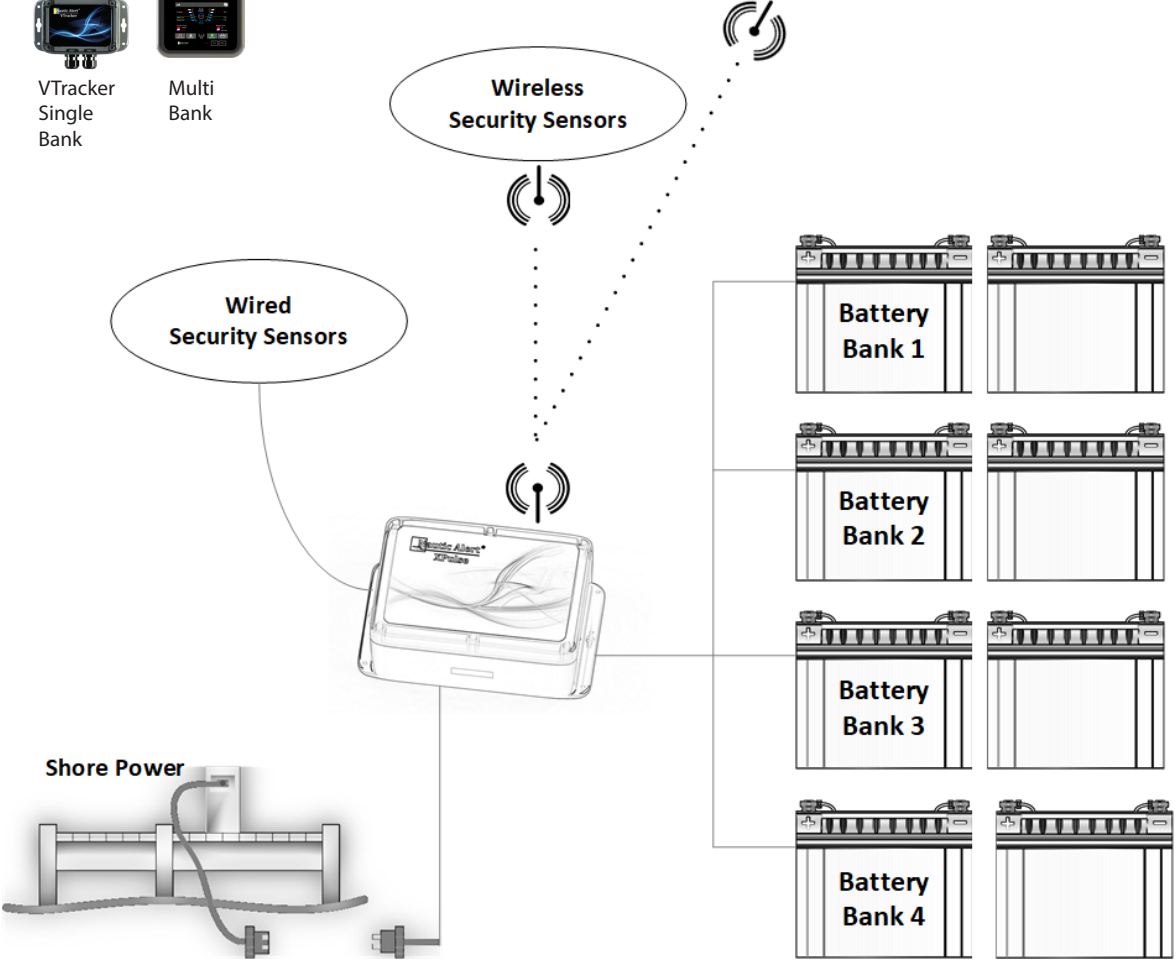
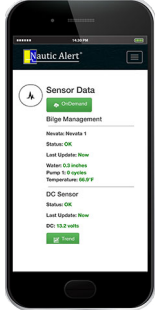
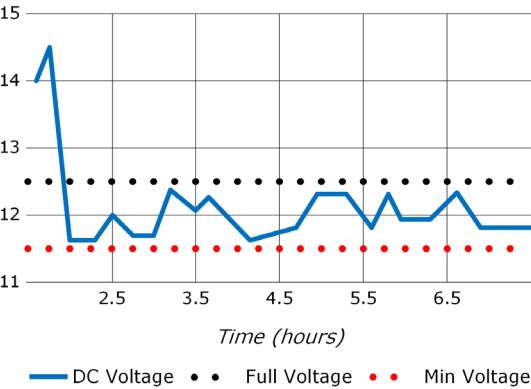


Nautic Alert XPulse™

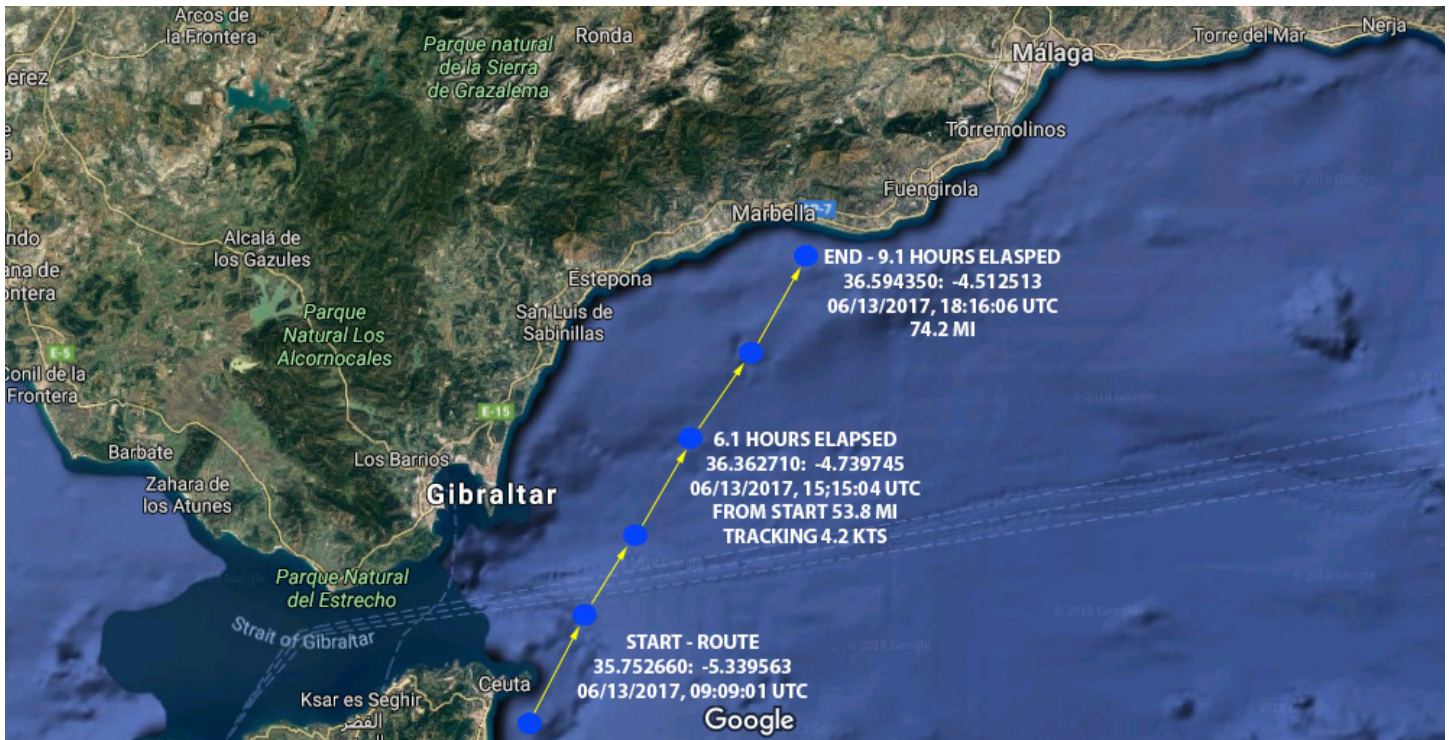


An Important Part of Security is Power.

Nautic Alert XPulse and XPlus Plus are SMART sensors that interconnect multiple battery banks, shore power, wired security sensors, and wireless security sensors to provide early event detection and information to Nautic Alert Insight. Insight processes the information using its internal analytic engine for learning trends and event detection.



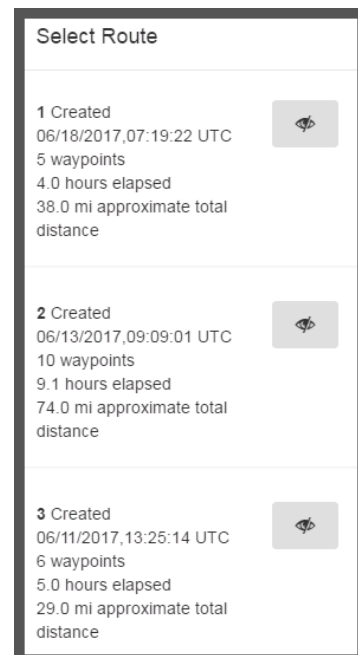
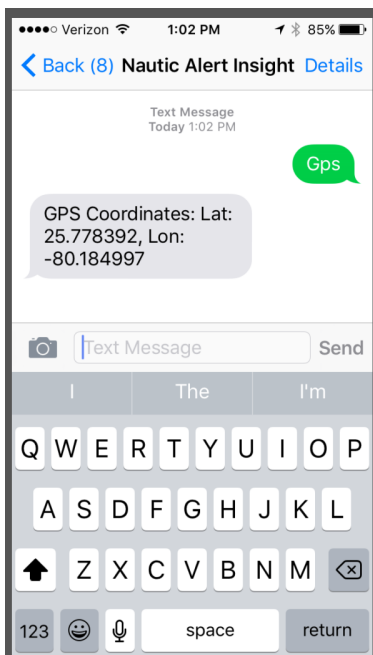
Vessel Tracking



- Global real-time tracking
- On-Demand real-time, two-way location requests to Nautic Alert
- Shared tracking core with NOAA pending approval
- Family and friends yacht tracking from My Insights portal
- Auto-track calculations for simple to use route playback.

Text "gps" from your phone, or click the "On Demand" button in the My Insights Web Portal.

Past Routes for Playback



Tender Watch



Tender Watch delivers instant, unexpected disconnect alerts at the bridge and remotely using the Nautic Alert platform. This enables the captain to monitor tender vitals, including bilge, batteries and security.

Tender Watch establishes a dynamic geofence ascertaining the location of the yacht and tender in one view using bi-directional communication through a secured wireless personal data network between the yacht and the tender.

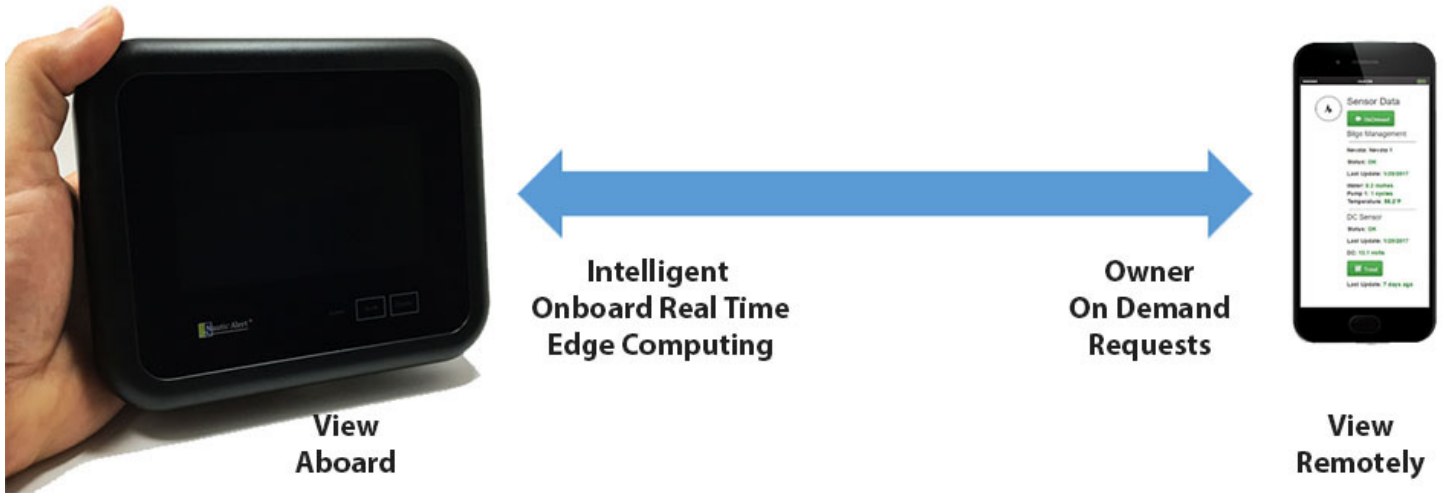
If the tender goes out of the Nautic Alert wireless personal network range, the yacht and tender will communicate coordinates via Nautic Alert's Cloud using the Iridium NEXT global satellite network to maintain real-time location reports.



Reporting Service



Reporting Service is a Nautic Alert application used to communicate information messages from aboard to ashore and for receiving request messages from an authorized remote user. Nautic Alert Reporting Service facilitates the messaging interaction and fulfillment process through Nearshorenetworks.




NEARSHORENETWORKS

Powered by Nearshorenetworks.
Providing easy activation and secure, reliable connection.
Connectivity Bundled, New or Existing Services.

Combine your existing internet broadband (WiFi) service and satellite service into one monthly bill.

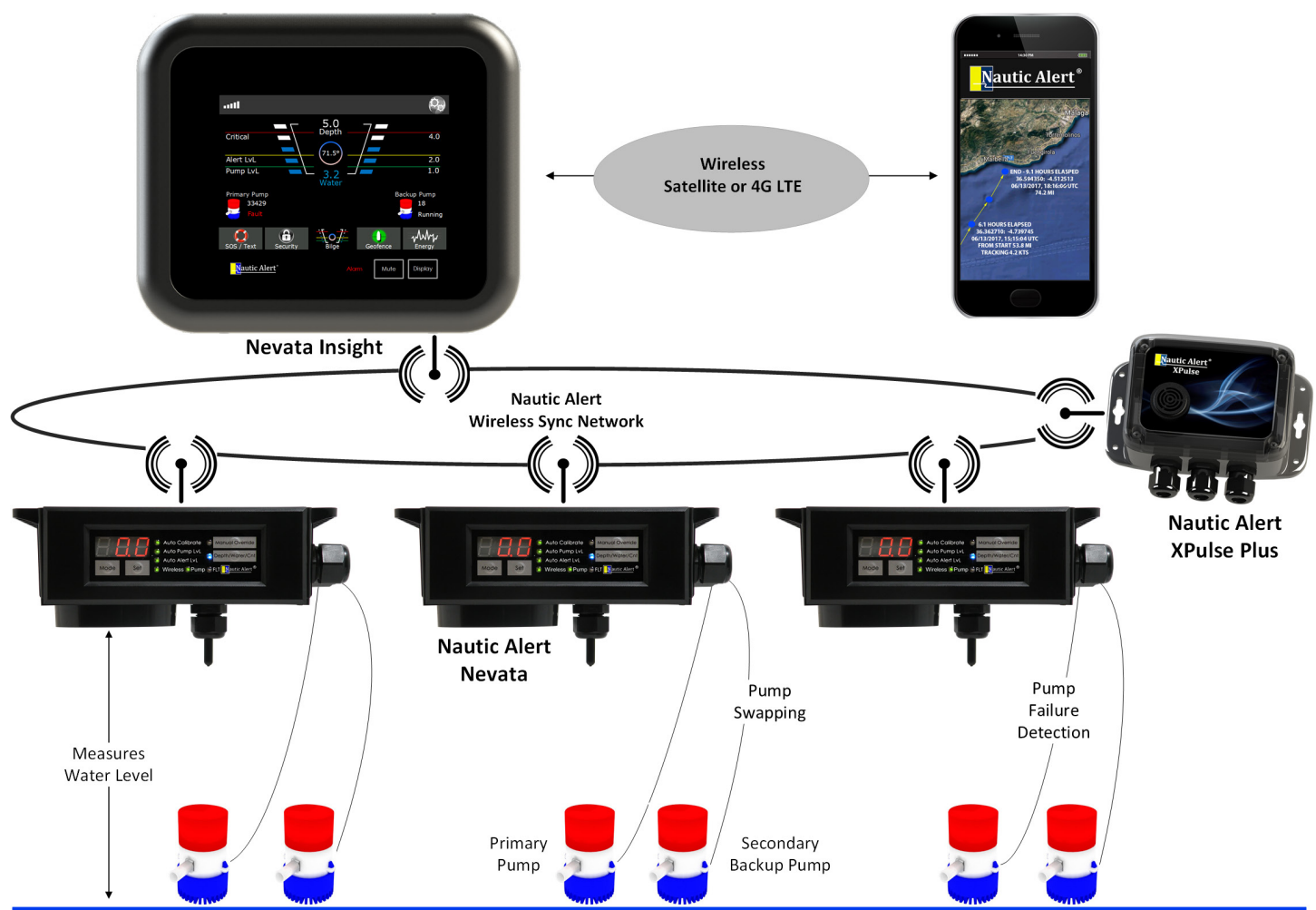
Technical



Simple Installation

- Step 1: Connect satellite or 4G LTE antenna, GPS antenna, provide DC power and mount Insight.
- Step 2: Mount Nevata, connect pumps to Nevata and provide DC power.
- Step 3: Mount XPulse Plus and provide DC power.
- Step 4: View Insight and see all Nevatas and XPulses auto connect via wireless sync.
- Step 5: From Insight enable auto calibrate for Nevatas and they will auto configure.
- Step 6: Enable security settings and Nautic Alert Reporting Service, and you can connect with your smartphone.
- Step 7: Nautic Alert is now ready to serve as your 1st mate.

The best part of the installation...
no data cables to run because it operates through wireless technology.



Features



Key Differentiators

INSIGHT

- 2-way global satellite coverage
- 4G LTE Verizon long range cellular
- Private onboard wireless sync network
- On-Demand sensor data availability
- Remote software updates via WiFi
- Capacitive-touch marine-grade graphical interface
- Analytic engine for on-board learning, decision making, notifications
- Measured data edge-based processing and analysis
- Wireless SMART sensors
- Onboard and remote monitoring and controls functions
- Under 150mA current draw, solar-panel power compatible

NEVATA

- Wireless connectivity
- Pump watchdog
- Anti-slosh pump drive logic
- Solid state pump switches
- Pump electrical current draw stats
- Adjustable measured high-water threshold
- Adjustable measured critical water threshold
- Primary pump to backup pump auto switching
- Water level measurement accuracy within 1/10 of an inch
- Bilge temperature measurements
- Manage and control up to 20 pumps
- Weekly pump test
- Developing leak detection
- Pump runtime detection
- Pump failure detection
- Pump overcurrent failure detection
- Pump plumbing trouble detection
- Nevata health detection

SECURITY

- Commercial Microwave/PIR high-reliable approaching intruder detection
- Commercial Microwave/PIR high-reliable on-deck detection
- Commercial Radar through-wall interior intruder detection
- Stealth and adjustable on-board siren operation
- Multi-compartment wireless alarm network

SAFETY (search and rescue, man overboard)

- SAR with message received verification
- SAR with 2-way text messaging to US-based GEOS IERCC
- SAR with location reporting redundancy
- MOB with up to 32 transmitters per Nautic Alert system

GEOFENCE/ ANCHOR ALARM

- High precision next-gen WAAS-enabled aviation grade GPS
- Precision movement detection in as little as 50 feet
- Auto-adjusting real-time false alert rejection
- Wake occupants on-board and/or notify remote alert recipients

VESSEL TRACKING

- Global real-time tracking
- On-Demand real-time two-way location requests to device
- Shared tracking core with NOAA pending VMS type-approved Insights
- Multi-user tracking interface enables family/friends to monitor tracking world-wide/real-time
- Auto-track calculations for simple to use route playback

DC MONITORING

- Multi-Bank DC Monitoring
- Multi-Bank DC Trending for early detection of battery issues
- Low voltage, critical voltage, and normal voltage restored notifications
- Adjustable filter prevents cycling on-board devices from generating false-alerts
- Built-in hysteresis prevents flapping of alert state notifications
- Adjustable voltage calibration settings
- Supports all battery chemistries 6-37V
- Graphical display of battery capacity and voltage



Market Spectrum Inc.

Marketplace Ideas & Innovation ®

7422 Carmel Executive Park, Suite 200
Charlotte, NC 28226
(800) 385-1674

www.NauticAlert.com

@ 2019 Market Spectrum, Inc., All Rights Reserved