



### AZN's simplicity and flexibility brings HarborAlert to life

AZN makes it easy to wirelessly connect to your remote equipment. It's simple and fast to install, inexpensive, and gives you local and Internet access with Air2App's communications infrastructure. Designed with ZigBee® AZN is an auto forming, routing, healing, packet hopping, secure, wireless mesh network, capable of connecting hundreds of remote devices spread over miles of area.

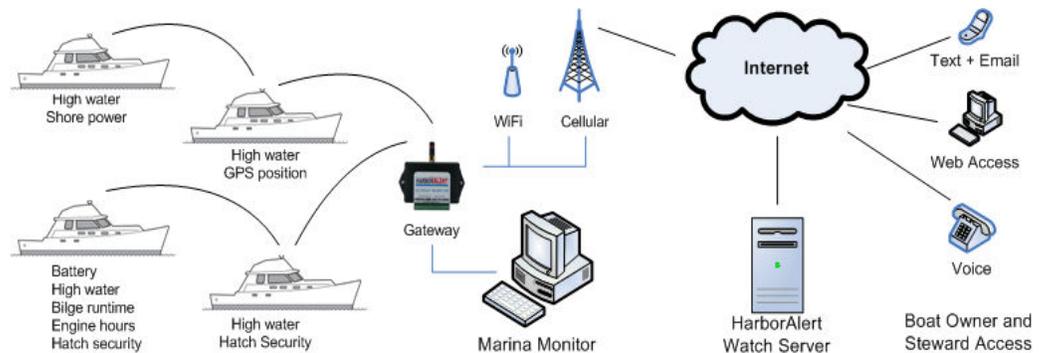
### HarborAlert: A Real World AZN Application

HarborAlert is a boat monitoring system providing boat owners and their marina stewards with critical security, hazard, and maintenance alerts.

HarborAlert application requirements:

- Low cost wireless monitoring devices installed on each boat linking information about the boats electrical and mechanical systems to the network.
- An advanced wireless mesh network connecting all monitoring devices (boats) to a single Internet gateway.
- The HarborAlert Watch Server hosts the owner's web site, archives messages, determines what messages are alarm events and delivers alarms and reports to the owner and the marina steward via email, text messages, voice.
- The steward's PC at the marina or yacht club monitors status locally.
- Nationwide network – boat is on line when in any HarborAlert equipped marina/yacht club

- **High Water**
- **Security**
- **Bilge Runtime**
- **Battery condition**
- **Engine Runtime**
- **Smoke Detector**
- **GPS Position Monitor**
- **Shore Power**



Built on AZN, HarborAlert came together with off the shelf AirPoints, an AirGate cellular gateway, and Air2App's AirServ backend Internet server. The complex task to network hundreds of boats to the Internet, to the boat owner, and to the marina's steward was reduced to configuring AZN for boat monitoring.

**AZN: The easy to build a wireless network to your remote equipment**