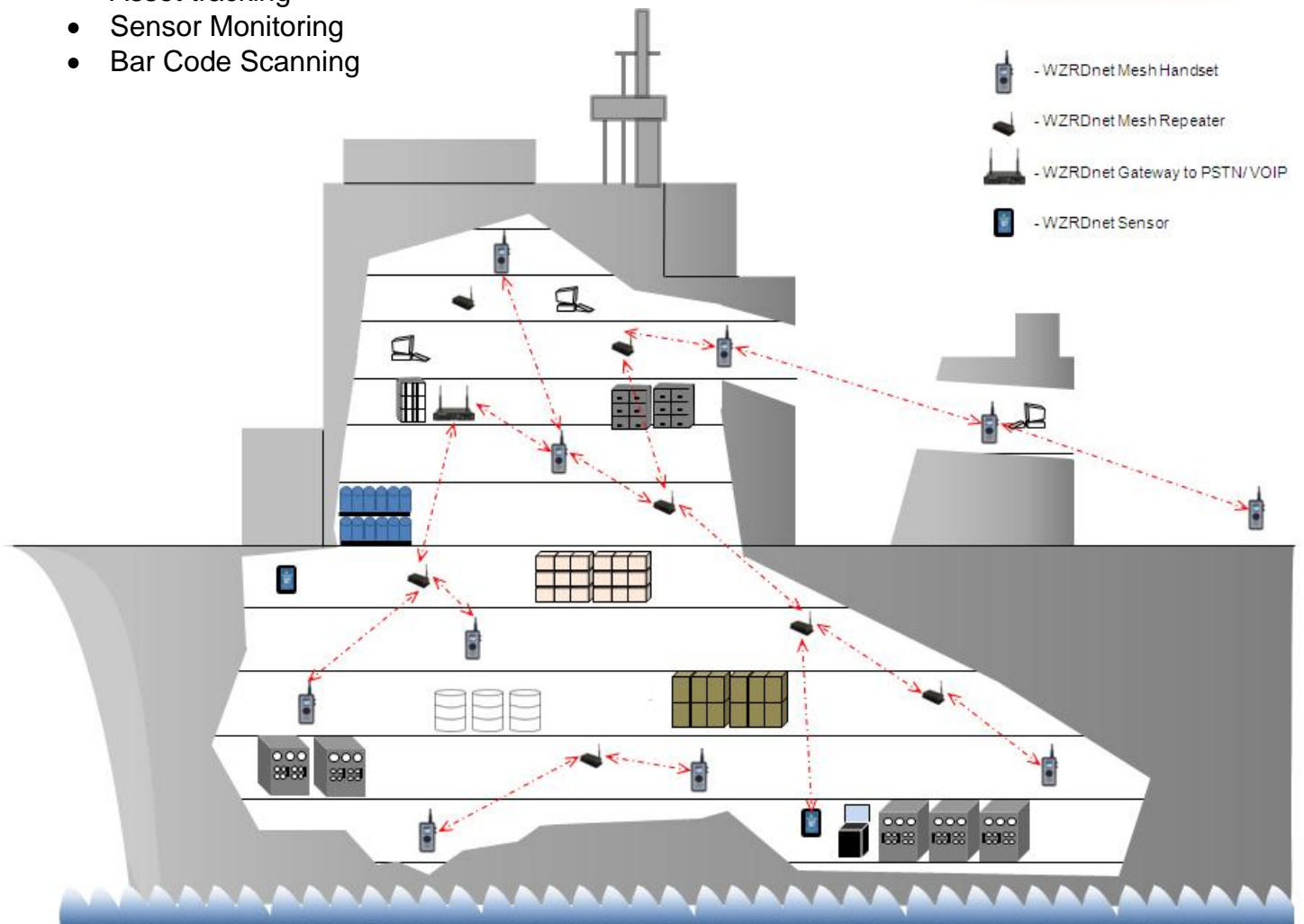# Intra-Ship Communications Network
WZRDnet Mesh Network

TELEGRID

- Low Installation Costs
  - No cables to run
  - Repeaters work off preexisting power sources
  - Self-forming network

- Operational Benefits
  - Broadcast and Peer-to-Peer
  - Voice and Text Messaging

- Enhanced Mobility
  - Can be used on and off the ship
  - Port Security
  - Anti-Piracy

- Secure Communications

- Applications
  - Asset tracking
  - Sensor Monitoring
  - Bar Code Scanning

- WZRDnet Mesh Handset

- WZRDnet Mesh Repeater

- WZRDnet Gateway to PSTN/VOIP

- WZRDnet Sensor

WZRDnet is a mesh network designed to operate in demanding environments where supporting infrastructure does not exist.   These characteristics make WZRDnet an ideal candidate for shipboard communications, especially as a simple to install upgrade to existing vessels. When compared to competing systems which require an infrastructure such as Distributed Antenna Systems (DAS) or Radiating Transmission Line (RTL) systems, WZRDnet is shown to have clearly superior benefits. By eliminating the need for infrastructure WZRDnet eliminates the high costs and complexities associated with installing DAS and RTL.

WZRDnet is composed of lightweight handsets, which operate both as user interface devices and repeaters in the mesh network. If a destination is not in line-of-sight, a handset will automatically route communications through other handsets or stand alone repeaters. WZRDnet can operate as an isolated, standalone network or it can access Wide Area Networks, including PSTN, VOIP and radio networks, via the WZRDnet Gateway to provide seamless interoperability. WZRDnet provides internal ship voice and data communications without the expense of installing any infrastructure.

- Menu Driven Color Display
- MIL-STD-810G Rugged
- IP67 Weather Resistant
- Over 24 Hours of Battery Life
- Size: Radio: 1.3 x 2.8 x 5.4 inches
- Antenna length: 2 inches
- Weight: 0.6 lbs including batteries

- Extends the Reach of the WZRDnet Network
- Available in AC or DC Versions
- Easily Mountable on any Wall
- Wirelessly Programmable
- Automatic Status Updates

- Connects the WZRDnet to Wide Area Networks
- Connects to PSTN/ VOIP Networks
- Virtual PBX for the WZRDnet Network
- Collects Sensor Data
- Wirelessly Monitors Network Health
- Automatically Updates Network Administrators

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