

## ICRI™

**Solution to a multitude of maritime radio  
communications problems faced by  
emergency responders**

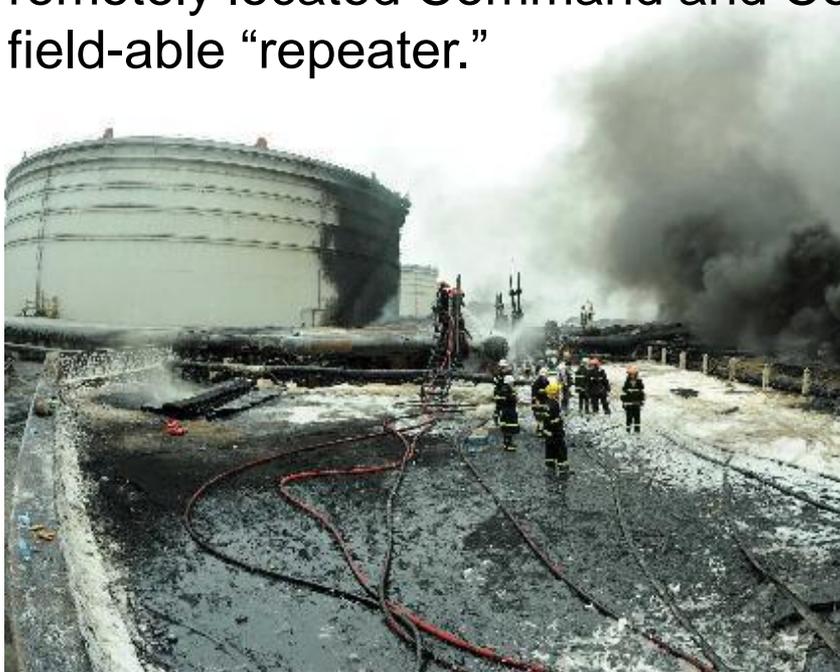


Made in the U.S.A

Interconnects port and/or vessel fire/spill response team radios, military radios, municipal public safety radios, land-line/cell/satellite/VoIP telephones, in moments through the unmanned ICRI.

ICRI provides a rugged, highly portable, radio cross-band (VHF, UHF, 800MHz), cross platform (digital/analog, trunked /talk-around, AM/FM, encrypted/clear) capability for mutual aid operations.

Enhance the radio link between emergency responders operating in areas of poor RF propagation (inside-outside buildings, tunnels, caves, ships) and remotely located Command and Control personnel by serving as a rapidly field-able “repeater.”



# Rapid deployment of VHF line-of-sight radios bridged to over-the-horizon IRIDIUM or INMARSAT satellite transceiver

Line-of-sight  
VHF radio

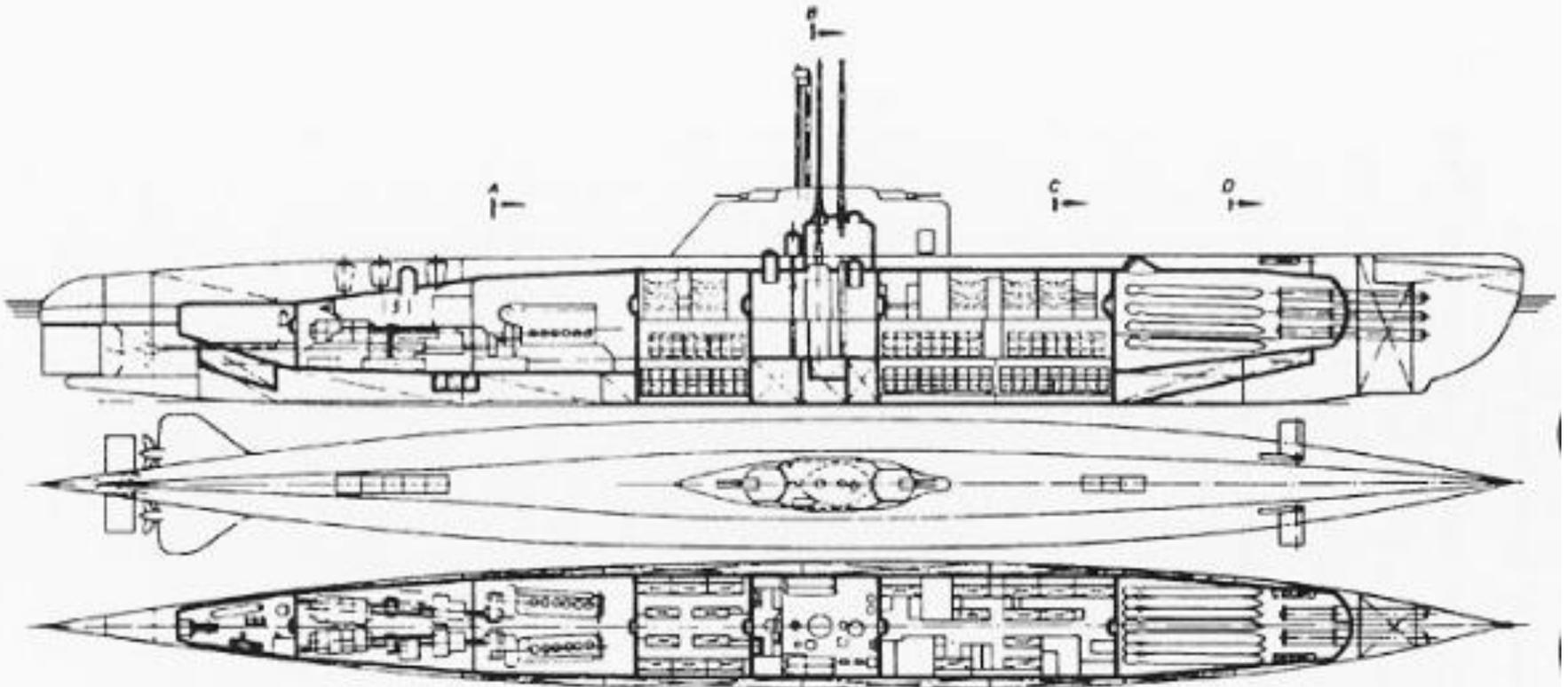


Satellite transceiver

**In 2012, a fire aboard a U.S. submarine in port caused \$400,000,000 in damage.**

**The inability of fire fighters to be safely deployed in the vessel was identified as a significant factor in the resulting damage.**

**Without reliable radio communications, the Incident Commander/Fire Chief would not send his personnel aboard the vessel.**



# Radio communications issues that the ICRI can mitigate...

## As a tactical repeater

Address poor RF propagation limiting “trunking” radio operations

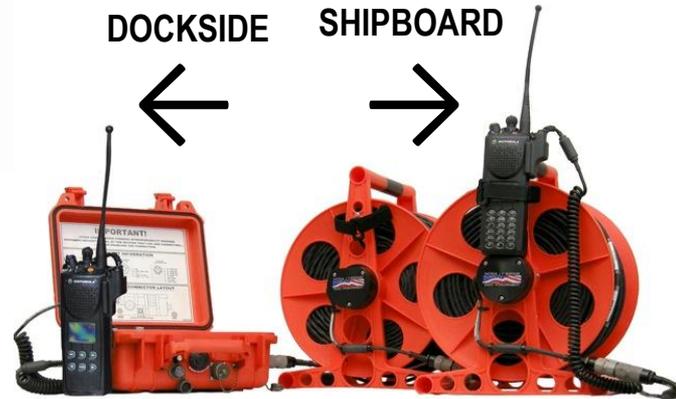
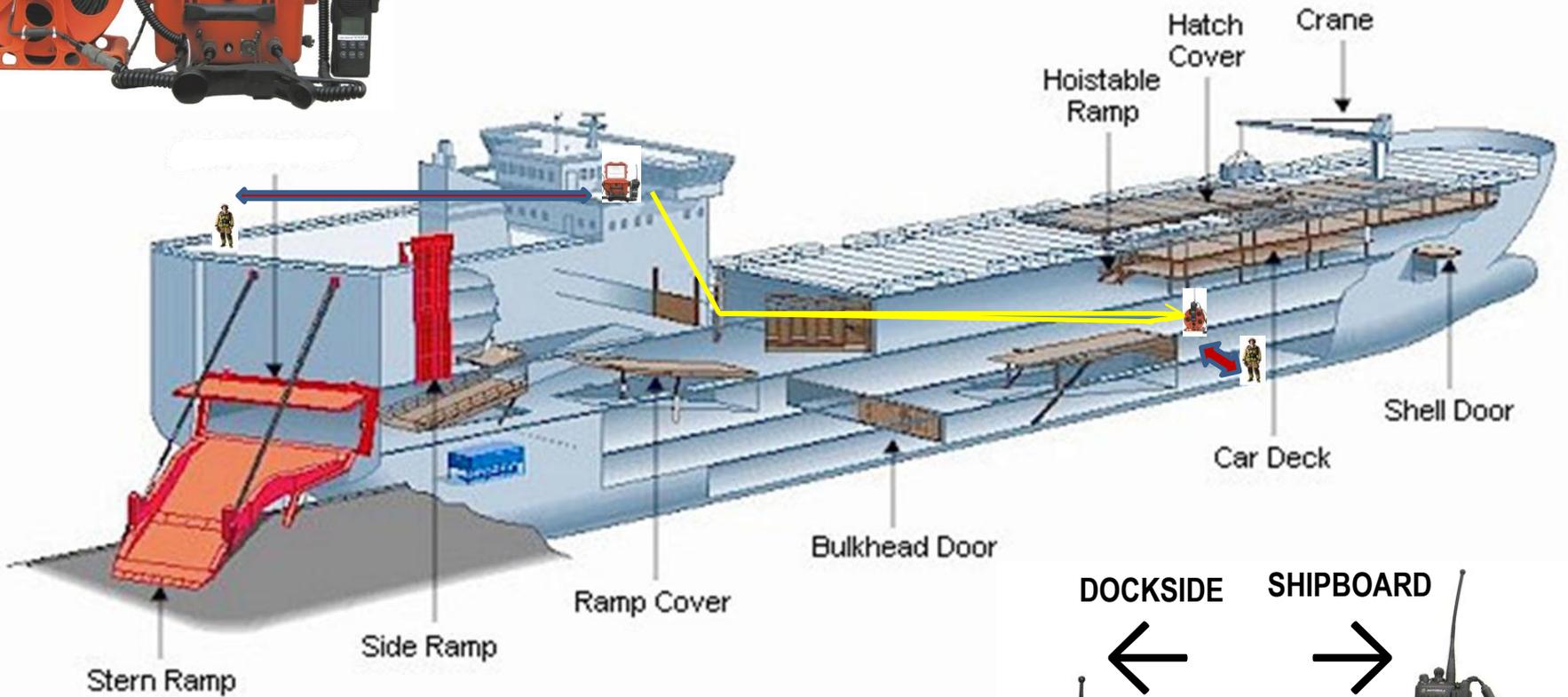
Extend radio coverage inside structures to maintaining radio communications in confined spaces

## As a gateway/bridge

Provide the means to coordinate multiple agency personnel with incompatible radios

Providing real-time, situational awareness for Incident Command





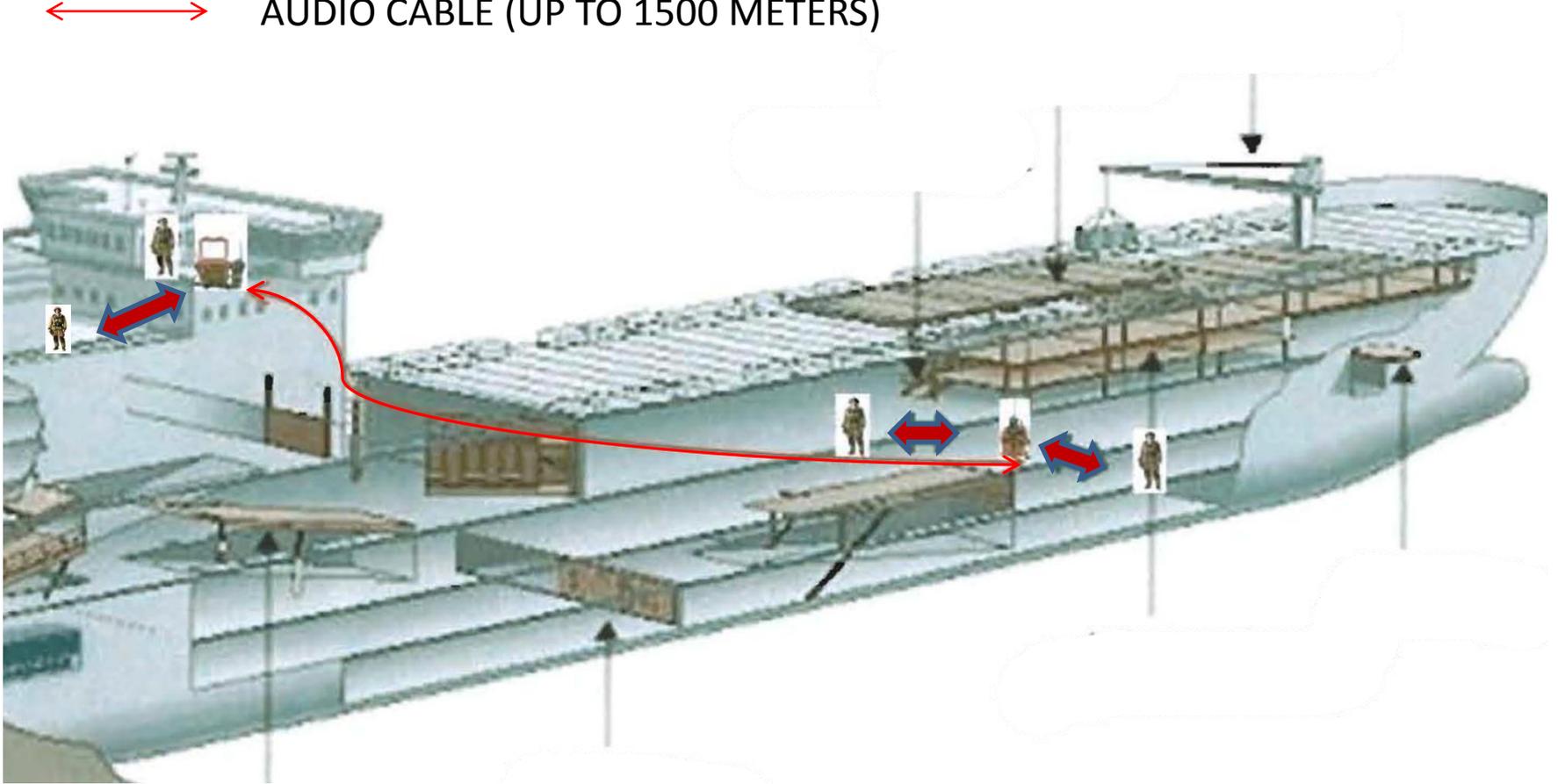
LEGEND



WIRELESS RADIO COMMUNICATIONS



AUDIO CABLE (UP TO 1500 METERS)



# The Equipment



- Small, rugged package/circuitry
- Highly portable (as little as 2.0 lbs / 1 kg.)
- Rapidly deployable (under 5 minutes)
- Multiple radio interconnect without adding technical complexity
- Minimal "operator" training
- Wide range of power sources (including "AA" batteries)
- Low cost in equipment and allocated manpower



Total Weight: 7.0 lbs / 3.1 kg  
 10.5" x 9.5" x 6.0" (26.7 cm x 24.1 cm x 15.3 cm)  
 WATERPROOF, SAND-PROOF  
 Internal housing for eight (8) "AA" alkaline/primary batteries provide an 24+ hour duty cycle; also uses external DC (7-31V)  
 Uses standard "military" connectors and compatible with the H-250/350 "green gear" handset



Total weight: 2.7 lbs / 1.3 kg  
 7.5" x 9.5" x 1.5" (19.0 cm x 24.1 cm x 3.8 cm) Rugged, welded aluminum chassis  
 Tactical Repeater  
 Two Radio I/O ports + telephone port  
 Internal 9V battery housing provides a 5 hour duty cycle: also uses the ICRI 8 "AA" alkaline batt



19" (48 cm) Rack-mountable, 3U height  
 4 talk group selection for all ports  
 Low band, VHF, 220-900MHz legacy and P25 portable/mobile compatible  
 Cell and land-line telephone (POTS/PSTN) compatible  
 Commercial and military satellite compatible  
 VoIP options include DTMF pad and hook/flash switch  
 Operates on external 6.5V-20, 115/220 AC  
 Low current drain: 200mA @12V



Total weight: 4.5 lbs / 2 kg  
 7" x 11" x 3.5" (17.8 cm x 27.9 cm x 8.9 cm) Rugged, welded , aluminum chassis  
 5 radio I/O, 1 convertible Satphone/radio I/O, 1 handset/headset I/O ports  
 Fully compatible with low band, VHF, 220-900MHz legacy and P25 portable/mobile radios  
 Cell and land-line telephone compatible  
 Commercial and military satellite radio  
 VoIP telephone emulator  
 2 talk group selection for all ports  
 Operates on external 6.5V-20, 115/220 AC  
 Low current drain: 100mA @12V



For Additional Information...

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