

# Shipborne emergency communication command base station

What are BS based and satellite based maritime communication technologies?

As the booming of maritime activities, such as maritime transport, fishing, exploration of marine natural resources, and pollution monitoring, the onshore base station (BS)-based and satellite-based maritime communication technologies are hard to satisfy the diverse requirements .

What is an Emergency Position Indicating Radio Beacon?

Emergency Position Indicating Radio Beacons are part of the GMDSS and are based on a 406 MHz satellite detectable signal. An EPIRB-AIS also transmits an AIS message to assist with locating, and a 121.5 MHz signal to assist with homing.

What is a base station?

Base stations are designed for use by Competent authorities to manage the VDL and enable effective ship to shore / shore to ship transmission of information.

What is a search and Rescue Transmitter (Sart)?

Search and Rescue Transmitters (SART) are part of the Global Maritime Distress and Safety System (GMDSS). AIS Search and Rescue Transmitters (AIS-SARTs) can be used in lieu of radar SART. AIS-SARTs provide much greater range than radar SART.

When public mobile network is unavailable at sea, the emergency communication network makes it available for end users to harness LTE base station onboard the balloon to access ...

Utilizing AIR developed shipborne KX-15 tethered balloon platform which carries emergency communication payloads of 30kg, and lifts 300 meters over the sea, this experiment has ...

An emergency communication system is necessary for first responders, who need to enter areas with no network coverage or damaged network infrastructure due to natural or man-made ...

Access to reliable communications services is a key factor in any emergency situation. ASTRI has succeeded in producing a mobile base station that allows for cost-efficient, low-latency, ...

Discover the critical emergency communications equipment onboard ships, from VHF radios and EPIRBs to satellite systems. Learn how ships maintain contact during emergencies and ...

SHIPBORNE SATELLITE COMMUNICATION TERMINAL With its ability of beyond line-of-sight communication and Shipborne Satellite Communication Systems provide secure voice, endurance to ...

Fishing including fishery monitoring, fishery resource management and fisherman's safety and security also relies on real-time and reliable communications between fishing vessels and ...

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Synchronous orbit communication satellite (Tiantong No.1, 2satellite), as a transit station on shore and sea communication signals, implements the interconnection of marine emergency network with ...

Improves communication capabilities beyond the line of sight, ensuring constant connectivity. Business Coordination: Facilitates better coordination and communication for business operations between ...

Satellite AIS Satellite AIS is capable of receiving shipborne AIS today on existing frequencies. However, since these frequencies are shared with fixed and mobile stations, its ability to ...

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