

ORCA TX-103IS
SAFETY SYSTEMS
FOR ENERGY
APPLICATIONS



Immediate Alerting

You'll know the instant someone is overboard

Intrinsically Safe



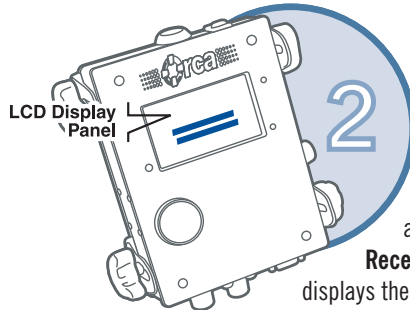

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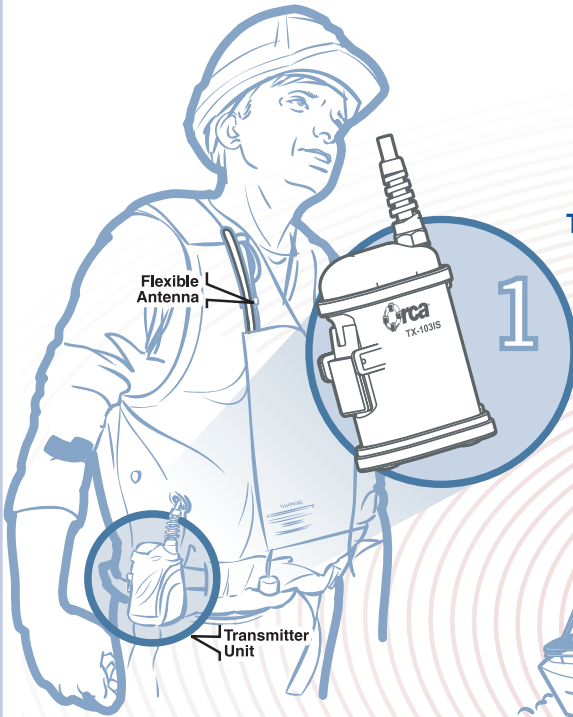
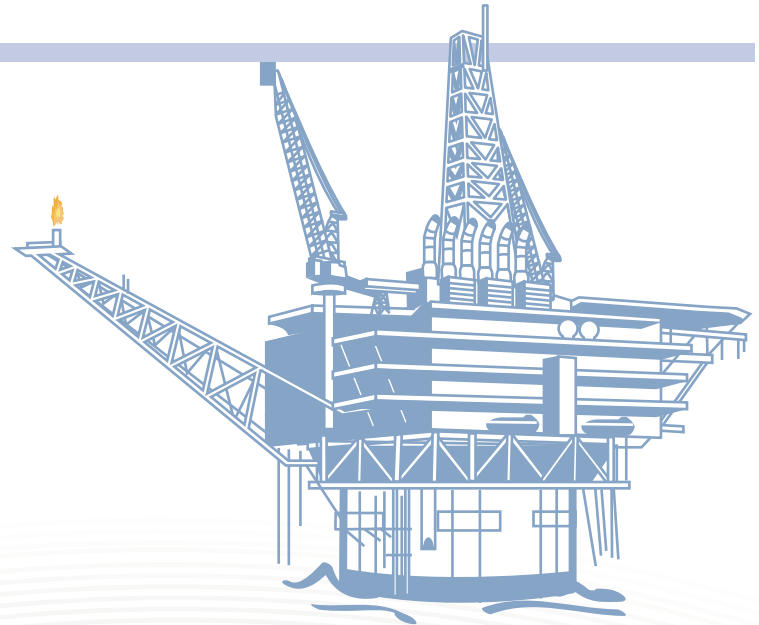
The ORCA® TX-103IS (intrinsically safe) is an innovative new system that allows for immediate, rapid recovery of personnel who have fallen overboard.



Receiver

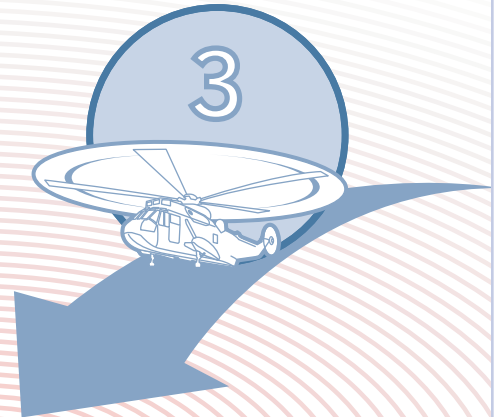
The transmitter's signal triggers an audible alarm at the bridge-mounted

Receiver. The LCD immediately displays the sailor's identification information.



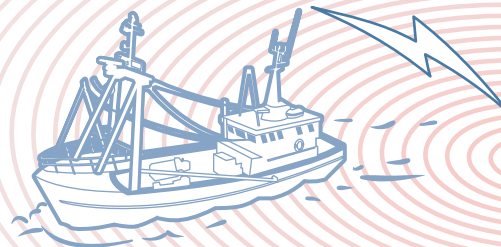
Transmitter

On deck, personnel are equipped with a pager-sized, serialized **Transmitter** unit. In an overboard emergency, 3-5 seconds of saltwater immersion automatically activates the unit, sending out a VHF signal via the flexible antenna.



Man Overboard Recovery

After notification of the overboard incident by the signal, rescue authorities are able to locate and recover the survivor.



ORCA® TX-103IS Specifications

Transmitter

Size: 3.24" x 2.2" x 1.36"
Weight: 5.1 oz.
Battery: User-replaceable 9-volt alkaline
Activation: Manual, fresh and salt water activated, and saltwater only activated
Safety light: 2.25 candella daylight visible

Receiver

Size: 6.87" x 5.08" x 1.81"
Weight: 35 oz.
Current draw: (typical) 55 mA
RF sensitivity: 0.25 – 0.60 uV
RF input impedance: 50 ohms

Direction Finder Display

Accuracy: +/-5 degrees
Power Source: 12 – 40 VDC

Direction-Finding Antenna

Type: Phase Interferometer