



Man overboard detection

MONITORING THE OUTDOOR AREAS OF SHIPS

SICK
Sensor Intelligence.

About 50–60 people disappear every year while sailing on ships. The greatest challenge here is that most people go overboard unobserved. If a man overboard event is observed, the time needed for a rescue is very short. Due to sea drift and speed of the ship, it is difficult to locate the exact position of the missing person. The established method in a man overboard situation is to suspend a dinghy for rescue. The time the person went overboard and their assumed location are critical factors.

The highest chances of survival are with a rescue within 30 min. The man overboard system should forward this information to the rescue team in real time so that the alarm can immediately trigger the rescue operation. SICK provides sensors that can be used in such a system.

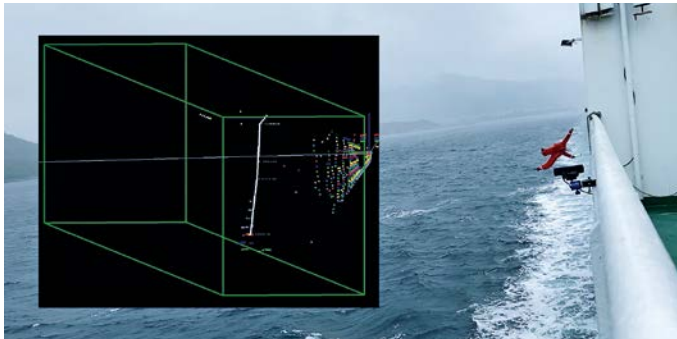
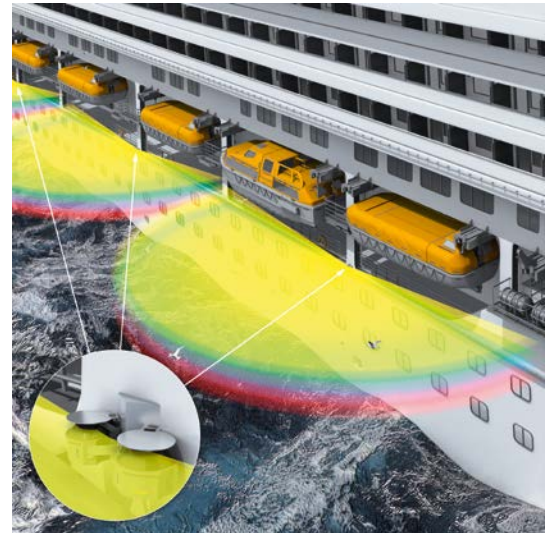


More information → www.sick.com/man_overboard

Man overboard detection

Video cameras are frequently used for monitoring the outdoor areas of ships. They continuously record events, but do not trigger alarms. With the installation of MRS6000 3D LiDAR sensors from SICK, the products can scan a defined area around a ship. As soon as a defined object falls through the multi-layered scan area, the crew is notified by an alarm. That enables the crew to view the video recordings promptly and take action, if necessary. The intelligent MRS6000 sensors are able to prevent faulty alarms by blanking out spray, waves and birds, to name a few examples.

The “man overboard” detection is suitable for a wide variety of applications including not only commercial and passenger ships, but also yachts, oil platforms or bridges.



Successful detection of a dummy falling through the monitored area

MRS6000 3D LiDAR sensor

- Gap-free detection across 24 scanning layers at an aperture angle of 120°
- Fine angular resolution with high scanning point density
- Reliability thanks to multi-echo technology
- Convenient and customer-friendly web server interface for configuration

+ Security on ships is increased

+ Reduced rescue costs, reporting and insurance issues

+ Improved reputation for the customer

+ Relevant data for the security team, reduction of false alarms

+ Prevents error-related costs and downtime

+ Reduced ship turnaround time

