



# REDUNDANT

# UHF SYSTEM

Is your platforms line of communication secure - even in case of emergency?

Zenitel provides a secure, wireless UHF communication solution between any position on the platform at all times.

In an emergency situation, the solution enables the platform personnel, fire fighters and incident commanders to communicate throughout the platform, regardless of where coordination is required.



**zenitel**

because communication is critical



# RELIABLE & SECURE

## COMMUNICATION IN CRITICAL OPERATIONS

Zenitel's redundant UHF solution maximizes your efficiency in platform operations during critical situations by ensuring safe and secure wireless communication, no matter where coordination is required.

The Zenitel solution utilizes digital radio technology, providing clear communication even in noisy areas. The use of digital radio technology increases your efficiency of the onboard radio communication system, as the capacity in these systems is twice that of analog systems.



For control room and safety center, we recommend using fixed radios with a user-friendly interface to the onboard radio communication system.

All radio & combiner and IP network equipment that Zenitel delivers complies with the international IEC 60945 standard.



# IMPROVED INTERNAL IMPACT

Internal communication is crucial for safety, whether among the control room, operators' areas, safety center, firefighting, and damage-control teams, or as required for visitor and crew notification and mustering.

Our Redundant UHF design incorporates extensive redundancy to prevent a single point of failure having an impact on your system.



# ONE SOLUTION - TWO CABINETS

The design includes dual redundant cabinets placed in different Main Vertical Zones.

Interconnected by redundant fiber-optic cabling and the Distributed Antenna System (DAS), the system handles parallel communication even if one of the cabinets fails.



You can choose from a selection of various ruggedized portable radios and a range of accessories such as remote speaker microphones and headsets, as well as a choice of either intrinsically safe radios for hazardous areas and firefighters or standard radios for the crew's daily work, thus fulfilling all of your requirements.



As a Motorola Solution Platinum Reseller, we utilize Motorola Radio products for many applications and customer segments. We specialize in Redundant UHF systems both for the Maritime and Energy markets and offer integration between systems such as Radio, Intercom, PA, Infotainment and CCTV.

# WE ARE SPECIALISTS

in designing optimal solutions in accordance with requirements specified by our customers and classification societies.

## EXTENDED RADIO COVERAGE

Eliminate the risk of losing vital communication and provide extended radio coverage in practically all locations on the platform by taking advantage of a trunked radio infrastructure and DAS throughout the entire structure. The DAS is designed by using a wide range of items that suit the specific platform design and customer requirements.

The use of leaky feeder cable (radiating cable), indoor and outdoor antennas or a combination of both, ensures the radio coverage and the distribution of cables and antennas via a network of splitters, power tappers, etc., will always provide the best radio coverage possible.



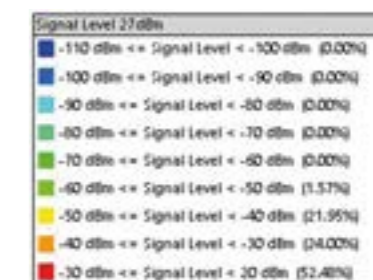
# DESIGN TOOL FOR DAS

(Distributed Antenna System)

The design of the DAS includes a detailed Radio Frequency calculation which accounts for signal loss in individual cables, connectors, splitters, power tappers and even body loss from crew personnel.



Prior to any physical installation on the platform, we use a sophisticated program to ensure that the final design of the DAS will provide the necessary and expected radio coverage. The program will visualize the distribution of radio signal throughout individual decks and compartments on the platform. If any areas are found to be poorly covered by the DAS, the cables or antennas can be repositioned to solve the problem.



Based on our skilled engineers' extensive experience in designing DAS and our special design tool, we guarantee the optimal solution for you as the end user.



System "Remote Control" via VPN



Training



24/7 Service



Service agreements



Type-Approved systems



Innovative technology



Monitoring of system solution with follow-up on sailing ships



Spare parts policy



Extended warranty terms



Crew training program

## WHY ZENITEL?

You need systems that work. Every time. We provide reliable and resilient integrated communication solutions. We understand that the safety and efficiency of your most valuable resource – your employees – is key to your success.

We're specialists in the maritime and energy segments: we know the ocean industry, and we speak your language. Our innovative solutions for critical and intelligent communication deliver reliable performance in all conditions. We also understand your need to safeguard your assets, whether it is an ocean going vessel or energy plant. That's why we offer integrated communication solutions that enable seamless information sharing, so you can make better decisions more quickly.

Our systems and solutions provide high availability, scalability, reliability, maintainability and cyber defensibility. Our flexible and innovative solutions for intelligent communication, data, safety and entertainment systems deliver reliable performance in all conditions.