



VINGTOR COMMUNICATION SYSTEMS

PUBLIC ADDRESS SYSTEMS - TALK BACK SYSTEMS - MASTER CLOCK SYSTEMS -
ENTERTAINMENT SYSTEMS - SOUND RECEPTION SYSTEMS - BATTERYLESS TELEPHONE SYSTEMS -
ACM STANDARD INTEGRATED SYSTEMS - ACM ANALOGUE TELEPHONE SYSTEMS



ENTERTAINMENT



BATTERYLESS



ANALOGUE TELEPHONE



INTEGRATED

TRADITIONAL

A NUMBER OF POSSIBILITIES FOR SHIP COMMUNICATION

Zenitel Marine has been setting the standard for both basic and more comprehensive communication systems for Marine use for over 60 years. The company is capable of meeting all types of customer needs. Over time, Zenitel Marine will continue to offer and support traditional systems as well as provide modern IP solutions suitable to cover all communication needs for all types and sizes of vessel.

10 REASONS

why you should trust Zenitel Marine:

1. World wide network
2. Know-how and experience
3. Service and maintenance
4. Wide product portfolio
5. Cutting edge solutions
6. Excellent audio quality
7. Scalability and modularity
8. Always operational
9. Backwards compatible
10. Compliance with all major marine classification societies

PUBLIC ADDRESS SYSTEMS

The SPA series is specially designed to meet the demands and requirements for a cost-effective Public Address (PA) and General Alarm (GA) system according to SOLAS Rules and Regulations for Marine use. SPA systems are, as standard, delivered in versions of 120, 240 and 400 watt power output. However we can deliver up to max 2800 watt power output in one SPA-rack. The systems also have 6 zone selection plus 'All Call' as standard. Delivered in steel racks from 12 HU and up to 40 HU, depending on the number of power amplifiers installed. The system is tested according to EN60945 and certified by DNV, CCS, RMRS and CRS.

TALK-BACK SYSTEMS

VINGTOR Talk-Back Systems have been proven as extremely reliable and high quality products. Master Stations with 2, 5, 10 and 20 lines are available with substations for both indoor, outdoor and noisy locations. The systems are tested according to EN60945 and certified by DNV, RMRS, CCS and CRS.

MASTER CLOCK SYSTEMS

The VINGTOR Marine Master Clock is an ideal solution for the distribution of both Local and UTC time onboard ships. The system is





SOUND RECEPTION



TALKBACK



PUBLIC ADDRESS



MASTER CLOCK

TO MODERN

delivered with a wide range of different Slave Clocks (digital, ex-proof etc.). The system have easy cabling and calibration, signal receivers, RS232C/RS485 interface, alarm outputs and automatic summer/winter change-over.

ENTERTAINMENT SYSTEMS

The VINGTOR entertainment solution provides a complete entertainment system for ships. The solution consists of two main parts - a Naval TV/radio satellite system and a TV/radio onboard distribution system.

The VINGTOR Naval satellite system includes gyro and GPS motion controlled satellite antenna made for the marine environment. The system is equipped with a PC used to configure the antenna. The Basic Naval Satellite system is used to feed digital TV and radio signals from the satellite into a conventional TV and radio distribution system.

SOUND RECEPTION SYSTEMS

The Sound Reception System is an acoustic, electronic navigational aid that enables the officer on watch at a "closed bridge" to hear sound signals from other ships or foghorns that are audible outside the ship - when standing inside a totally enclosed bridge space. The system is manufactured according to SOLAS

Rules and Regulations, tested according to EN60945 and certified by DNV, RINA, BV, RMRS, CCS, CRS and GL.

BATTERYLESS TELEPHONE SYSTEMS

This system is VINGTOR's version of the traditional Sound Powered telephone. Independent of the vessels power supply, it fulfills the demands for emergency communication between vital positions on board. By using a dynamic micro-

with Intrinsically Safe stations certified for both Zone 1 (EXII-2-G) and Zone 0 (EXII-1-G). They are available for panel, desktop or bulkhead mounting. Certified by DNV, LR, CCS, RINA, RMRS, CRS, GL, ABS.

ACM STANDARD INTEGRATED SYSTEMS

The VINGTOR ACM Standard Integrated System supports the VINGTOR integrated PA and GA solution. Together with the VINGTOR SPA, the system is extremely cost effective where SPA loudspeaker loops are used together with the ACM intercom terminals. The ACM intercom terminals are type approved as integrated PA, GA, telephone and talkback units. The system is tested according to EN60945 and type approved by DNV, Rina, CCS and CRS.

ACM ANALOGUE TELEPHONE SYSTEMS

VINGTOR ACM-M-A systems are a PABX made for the Marine environment. The exchange is based on the well known ACM solutions and the latest developments. The exchanges are available in different sizes from 24 to 72 subscribers and come equipped with connections to PA amplifiers and different external gateways. Remote management and maintenance is possible by using IP and Web technologies. ACM-M-A is certified by DNV, RINA, CCS and CRS.


Zenitel Marine
– serving the maritime
business since 1946

phone and receiver inserts, the VSP system can obtain four times as loud speech and listening levels as the ones found in a purely sound-powered system. The system components have a versatile range of light weight but robust and corrosion resistant stations for all on-board environments.

Additionally the VSP system can be delivered



