



## MARITIME: COMMUNICATION SYSTEMS

# MPA 1600 ENERGY OFFSHORE PA/GA SYSTEM

### Public Address and General Alarm & System

MPA 1600 Energy is a Public Address & General Alarm (PA/GA) system designed to meet the requirements of alarm and message distribution onboard mobile offshore units. The system conforms to SOLAS, IMO, and IEC regulations as well as NORSOK standards T001, T003, and T100.





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### General Description

MPA 1600 Energy is a complete PA/GA system for use on offshore installations. It consists of two central units using A/B configuration for redundancy.

Each system is bespoke, being built and tested to meet the client's exacting demands with power output, access points, functionality, and interfacing limited only by required usage.

No single fault will inhibit the reliable distribution of alarms and voice broadcasts.



### FEATURES

- Maximum 6 zones
- Priority defined access
- Selected or predefined zones (substation dependent)
- Local mute or speech-delayed announcements
- External inputs, e.g. PABX, UHF radio, automatic alarms, audio recorders
- External outputs, e.g. extra signal devices, audio recorders, status signals (SNMP)
- Loudspeaker Monitoring System (LMS)
- Compact 1U class D amplifiers – Hot pluggable





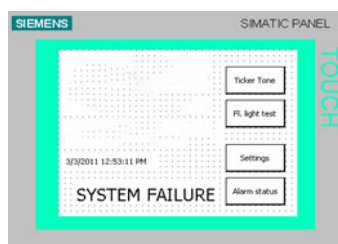
### Phontech P-1643 I.S. Access Panel

- Intrinsically Safe Operator Unit 1643
- The MPA P-1643 I.S. unit is designed for wall mounting in hazardous areas (also available with gooseneck microphone)



### Phontech P-1308 I.S. Microphone Unit

- The MPA P-1308 I.S. unit is designed for wall mounting in hazardous areas. DNV/ABS/RMRS/CCS type approved and compatible with NORSOK standards.



### Phontech P-1698 Maintenance and Test Unit

- Ticker and test, alarm status/logging and testing of flashing lights.



### Phontech P-1670 Power Amplifier class D

- Solid, rugged class D amplifier designed for use in maritime and energy environments
- Small and compact (1U)
- Efficient
- Hot pluggable
- Stacking
- Standby configuration optional
- Surveillance and Monitoring

### Loudspeaker Monitoring System (LMS)

- Surveillance and monitoring, remote individual and group tapping, predefined tapping and addressable speakers.







# TYPE APPROVALS:

## **DNV: Type Approval Certificate. The system is tested and complies with:**

Det Norske Veritas' Rules for Classification of Vessels and Mobile Offshore Units, High Speed & Light Craft and Det Norske Veritas' Offshore Standards

IMO Resolution A. 830 (19), Code on Alarms and Indicators, 1995, LSA Code VII 7.2, IMO MSC Circ. 808 and IEC945 ed. 4.0 (1996-11)

**ABS:** Certificate of Design Assessment according to ABS Rule: 2208 Steel Vessel Rules 1-1-4/7.7. 4-8-2/11.7.1; 2008 MODU Rules 4-3-2/15.9, 4-3-2/17.1; 2000 Guide for Facilities on Offshore Installations 3-8/7.11; 2001 Passenger Vessels Guide 5/13.13

**Other Standards:** IMO MSC Circ. 808; LSA Code VII 7.2, IEC 60945 (2002)

**Other Approvals:** RMRS/CCS/RINA type approvals



**ABS**



## CONTACT

Based in Horten, Norway, Phontech specializes in Intercom and Public Address & General Alarm solutions for the global Maritime and Energy markets, with a worldwide market presence. Phontech was established in 1987. On November 1, 2018, Zenitel Group acquired the Phontech business and products from Jotron AS.

### **For all queries, please contact us via these channels:**

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