



# PHONTECH Communication Systems

PAGA 1700



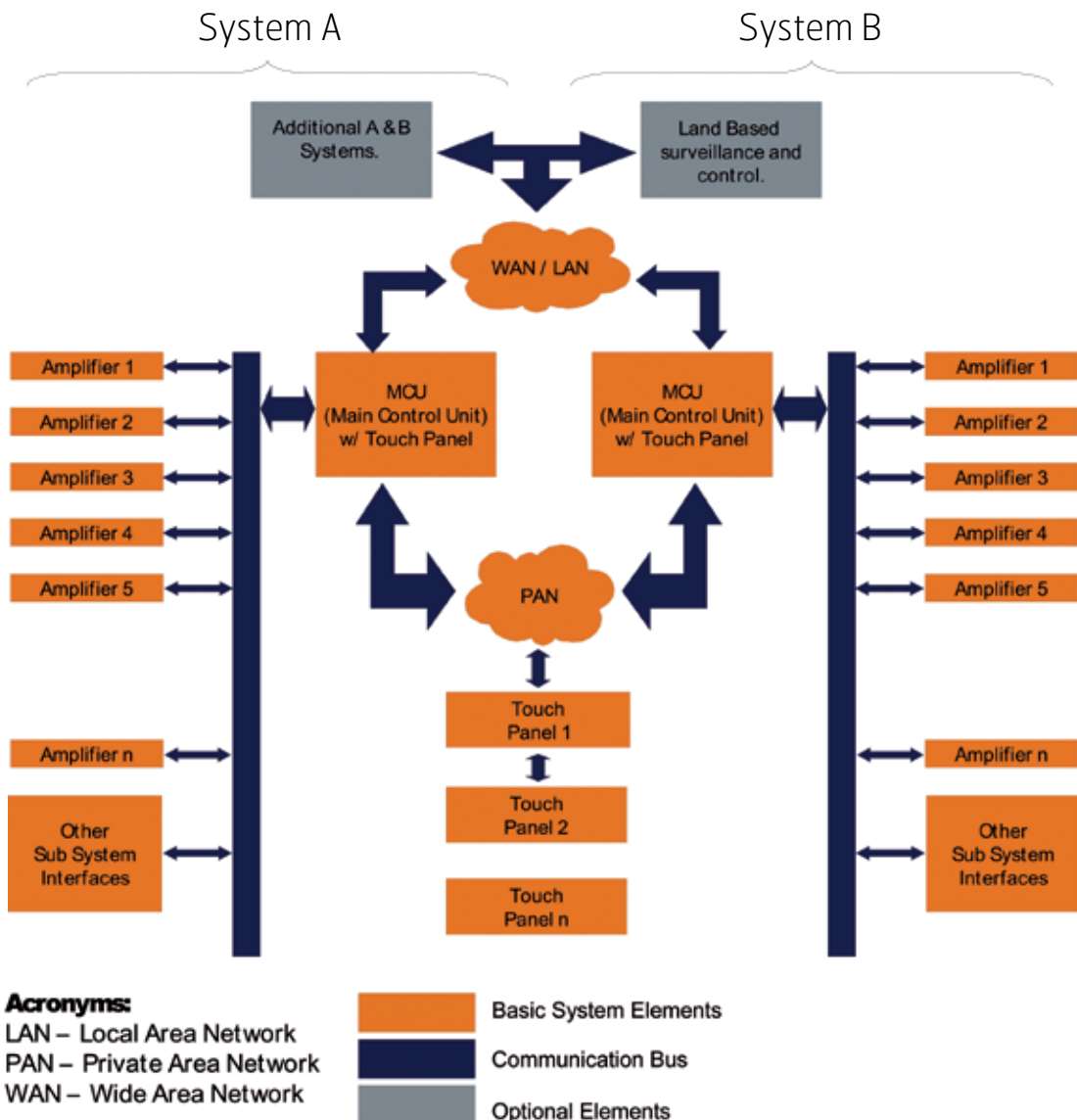
[www.jotron.com](http://www.jotron.com)

# ▶ PAGA 1700

Jotron Phontech has designed and delivered PAGA (Public Address and General Alarm) systems to the industry since 1979, all according to the customer's requirements and to their complete satisfaction. In this process, the company has gained a vast amount of experience and knowledge of the design and engineering involved in all kinds of public address and general alarm systems. The key focus areas have been the maritime and oil and gas sector.

The Phontech 1700 PAGA is designed to meet the tough requirements for PAGA systems to the oil and gas - and other industrial applications, both offshore and onshore. The system will distribute messages and alarms with special focus on ease of operation and safety, speech intelligibility, reliability and fault tolerance. In addition, the system has built in self test and monitoring functions for easy and cost efficient maintenance.

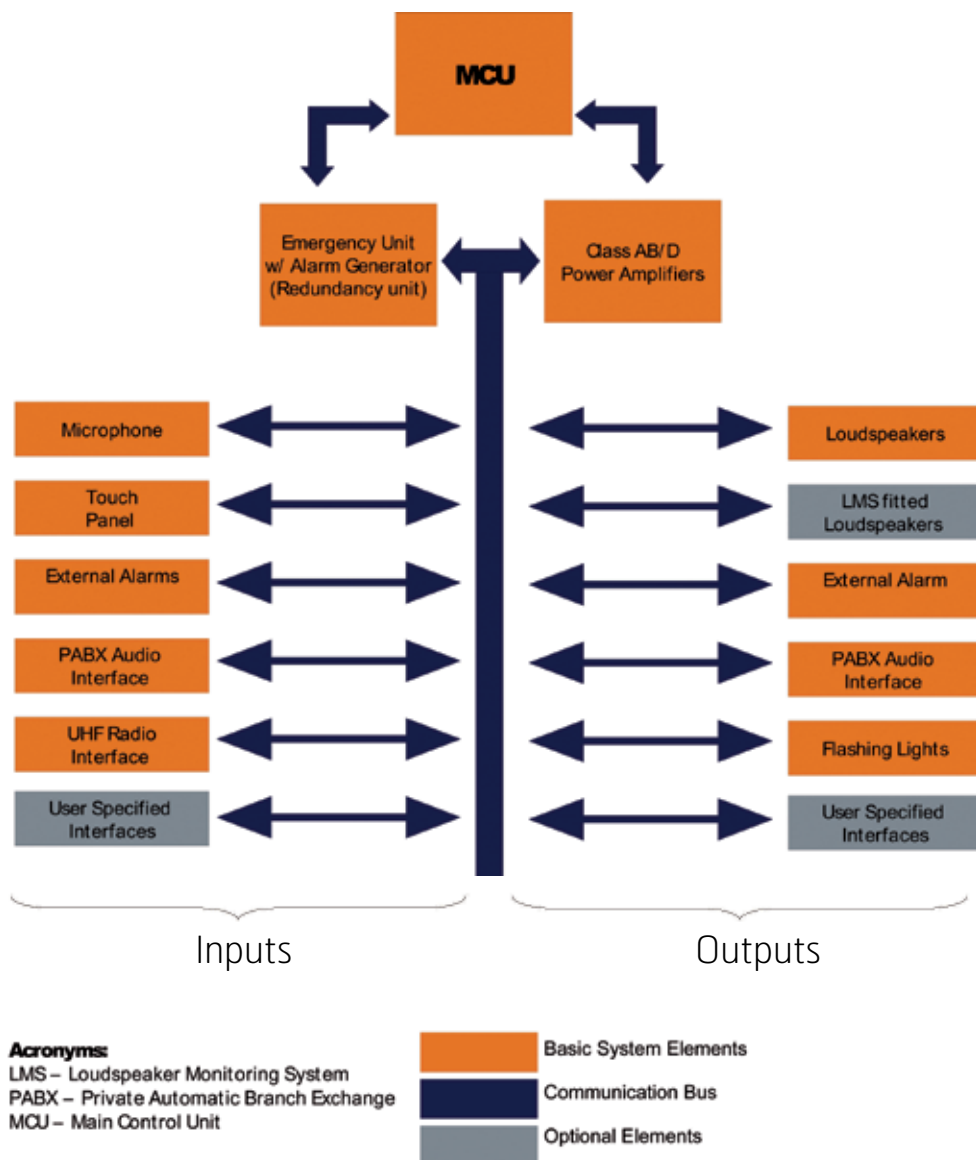
Based on plant incidents, the 1700 PAGA is designed to provide zone area switching and access priority of live voice inputs and automatically generated alarm inputs. Distribution of pre-recorded messages and speech storage and replay are also implemented.



## System

The basic system consists of a main controller including I/O cards and dual power supplies, a hard-wired emergency unit including a separate tone generator and a number of 400 W Class D amplifiers covering the amount of effect needed. The emergency unit retains operation if the main controller fails. Total reliability is achieved by duplicating systems. The Phontech 1700 system has all the functions necessary to facilitate this. In addition we have the microphone operator stations combining programmable tactile feedback buttons and programmable 7 inch touch screens. Finally a 15 inch touch panel configuration unit mounted in one of the electronic racks. Microphone operator stations can be delivered as desktop units or 19 inch rack-mount units.

The modern IP-based architecture of Phontech 1700 PAGA allows for a system to consist of several sub-systems to operate as one large system in a duplicated- or loop based network. The class-D amplifiers are 1U high and are hot-swappable units for easy installation and maintenance. The system has built-in diagnostics of all electronic components, including loudspeakers to allow for remote diagnostics and maintenance.





## SERVICE

PROGRAM      PANELS      DISTR. I/O

SAVE USER LOG FILE\*  
SAVE ALL LOG FILE\*  
Mirror  
EXIT  
STATUS  
RESET SYSTEM STATUS

Update all panel configuration  
CCR  
Update selected panel configuration  
DISABLE  
Disable all alarms

Device/line: MBS1  
Slave: 1

UP      UP  
DOWN      DOWN

Active Inputs      Active Outputs

OS name: Windows NT      App: PA\_311.exe  
OS name (details): Microsoft Windows XP Service Pack 3      RTE version: 5.02  
OS version: 5.1      RTE build year: 2009  
OS build: 2000      PA version: V3.1

\*Log/error file is saved to application directory  
The user log contains 2000 entries for looking at over action  
The all log contains 200 entries, only used for system debugging

SYSTEM OK

MAIN

TEST PTT

LOCAL PANELS

FLASHINGLIGHTS

TICKER TEST

SYSTEM LOG

SERVICE

## MAIN

SHOWS CURRENT SYSTEM STATUS

ACTIVE ALARM      PTT RECORDING

Idle      OFF

ALARM LOCATION      PTT LOCATION

-      -

ACTIVE ZONES

-

### Data

- X86 based HW platform
- All I/O and audio through PXI or PCI addon boards
- Choice of XPembedded, Linux or RTOS OS.  
(Limited functionality on Linux and RTOS)
- LabView based application SW
- Touch screen LCD panel
- Power efficient class "D" audio amplifiers



v.C

Agent/Distributor:

Jotron AS reserves the right to change the design and/or specifications at any time without prior notice. Reservations are also taken towards any general errors that may occur.

[www.jotron.com](http://www.jotron.com)

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