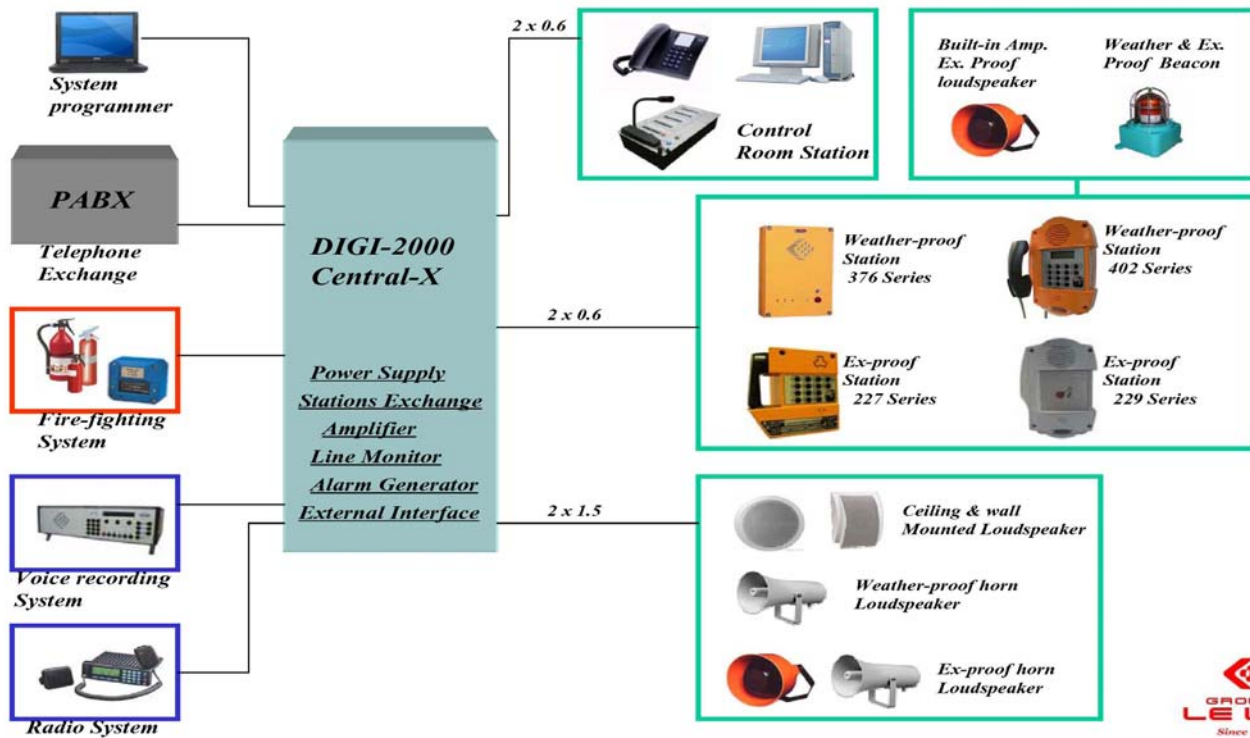# PUBLIC ADDRESS & GENERAL ALARM SYSTEM

Industrial - On shore / Off shore Application

System Diagram

Feature

- Non blocking full duplex communication
- Module design facility to system expansion and Maintenance
- Highest reliability and compatibly, easy to work with other system/equipment
- Permanent system for self-monitoring real time failure detection, also hot back for PA system automatic.
- Inexpensive, simple cabling with 2 wire technology
- Max 4Km cable length between two station
- Easily configurable by keypad or Software
- 15 Alarm tones or message by Flashing memory. Customize facility via USB port
- Different Indoor/Outdoor station model for different customer's application

Benefits

- Public address, general alarm and intercom system will be 3 independence system as customer demand.
- Individual speaker group. Combined groups of speaker and all speakers simultaneously at work.
- All station and devices continuously monitored and controlled
- Open and modular design allowing easy to work with other system such as Radio/PABX/Fir fighting system etc
- Manually or automatically triggered alarm sequences to reduce control room personnel workload during emergencies.
- Group/All call from local slave station, to facility the use of system. Alarm active by local station with authorization

System Function

- Public Address Function
- Alarm and Warning Function
- Full Duplex Communication Function
- All Call/Group Call
- Conference Function
- Hands free and Pack Off Call Option
- 15 Alarm/message with 16 levels Priority
- Short Circuit/Open Circuit Or Leakage Occurs Protection Function.
- Call transfer function, to contain station or broadcasting in plant
- VoIP Function As Demand

Interface Of System

- Analogue/Digital Telephone Interface
- 16 Dry contact Relays For Detector System
- Interface To Other Intercom System
- Fiber Optic , Copper Wire or E1 Interface

Integration Of System

- PABX System
- Radio Walkie-Talkie System
- Fire And Gas Detector System
- Entertainment System like FM/AM receiver, CD Player, Tape deck etc.

Safety Function Of System

- Realtime Phone station monitoring
- Speaker loop monitoring
- Amplifier monitoring
- Battery backup (UPS)

Software Maintenace

- Tele-surveillance via Master station or PC
- Real time system programming/modification by RS485 or IP

Addition Function

- External Flashing Beacon and Sounder
- Voice Record
- Loudspeaker with integrated decentralize amplifier

Description General

The DIGICOM2000 PA /GA system is especially suited for the industry application, such as Pharmacy, chemical, petrochemical and energy industries due to its rugged construction.

The modular design allows DIGICOM2000 system can be used as Public address, General alarm, Intercom system.

Intercom system provides32 - 576 phone line, with non-blocking and full duplex communication. Each telephone can establish a conversation by dialing number (Max 9 directly number possible.) or Paging target. Phone station also can establish full duplex conversation with Radio system by dialing the number of Radio base station. Walkie-talkie dialing the number of phone station via base station to establish a half duplex conversation.

The DIGICOM2000 is also a standard Public address system for normal operation, to transmit information, command or announcement. Also it can diffuse the audio signal from PABX system.

The DIGICOM2000 system is utilized as warning system to protect personnel and equipment. Customized alarm message and priority to Max 15 different zone or all of plant by software. In the event of warning, acoustic and optical signals are released. There are two different ways to active alarm – manually or automatically. Also the authorized local phones can active alarm with pre-record number.

As a part of the basic function a highly integrated monitoring system is implemented. This monitoring checks all phone station, amplifier and loudspeaker loop by all fundamental signal routings of system. Any malfunction will be remind by LED or forwarded to display of master station.