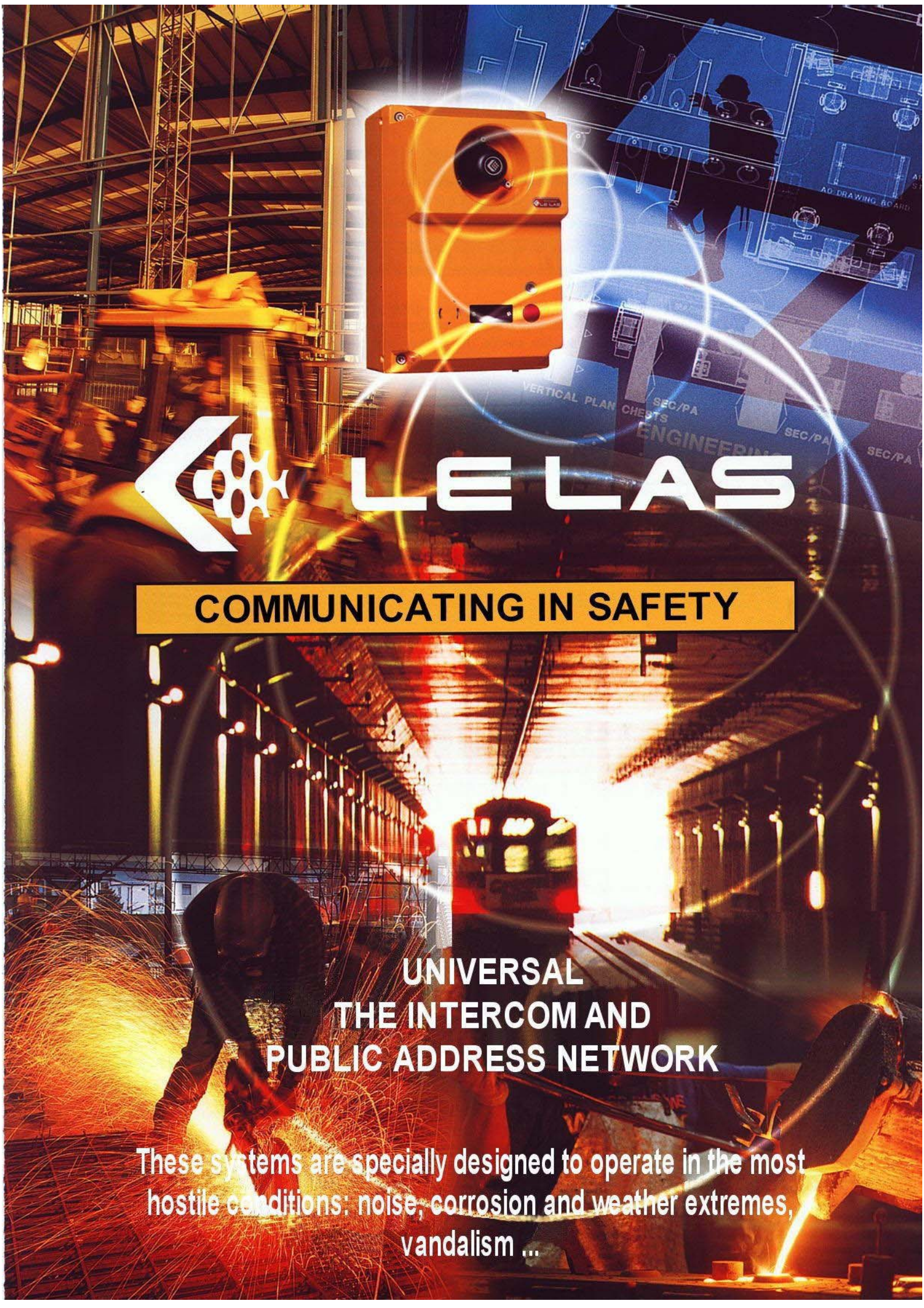

LE LAS
COMMUNICATING IN SAFETY
UNIVERSAL
THE INTERCOM AND
PUBLIC ADDRESS NETWORK
These systems are specially designed to operate in the most hostile conditions: noise, corrosion and weather extremes, vandalism ...

The new UNI2G range of intercoms are the result of SYSCOM's experience of installing such equipment in hundred of locations prone to extreme conditions, throughout the world.
These systems provide also Public Address facilities using loudspeakers

THE DESIGN OF UNIVERSAL

→ Priority of utmost importance

Microprocessor technology and integrated switching internal to each station:
Advantages: Safety and cost savings - No central cabinet needed - No risk of total failure.
The cabling is carried out on a single bus, or multiple in star configuration, according to the needs of each site.

→ High voice quality

Volume is amplified on a high impedance, guaranteeing exceptional sound quality, even over long distances.

→ Ease of listening

Every communication must be perfectly audible in all circumstances. The volume of the loudspeaker is optimised and adjutable remotely from the Master Station(option)

→ Safety

Substations operate in "hands free" mode and Master Stations Talk/Listen alternatively

UNIVERSAL CONFIGURATION

(Identical to the previous generation)

→ Star type network

Comprising a Master Station and up to 9 or 99 Sub-Stations.
Optional second Master Station with diversion or tranfert

→ Intercom type network

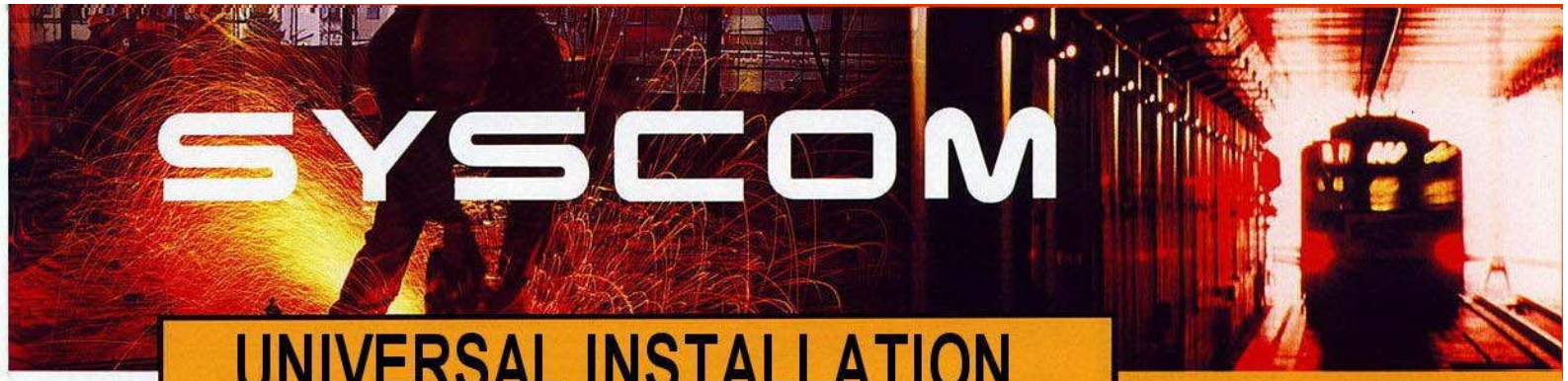
Comprising up to 9 or 99 multiway Master Stations

TLH 214

New facilities of UNI2G

- Mesh Network, with intercom connection between "multiway" (8 stations) and "selective" call to substations (99 stations).

- From the LCD display on a station with keypad, configurations are now entirely programmable by the user and furthermore facilitate:
  - Storage in memory of calling stations.
  - Set up of several stations in conference.
  - Message distributed across one or several predefined zones (general call priority, or zone call), by using network stations and/or amplified loudspeakers or volume amplifier with loudspeakers.



UNIVERSAL INSTALLATION

Simple and very flexible, installation is independent of configuration

→ Bus installation:

Connection of stations in parallel, on bus cable, one or two pairs

→ Star installation:

Connection of each station by a single cable, one or two pairs
Central junction box providing easy installation, bus, star or mixed

→ Power supply:

48V (24V adjustable) central or local (above 500 meters) according to the siting of stations.
Installation possible on existing low current cable network or optical fibre

→ Choice of equipment:

Medium or high volume stations (5 or 15 watts)
Master Stations and Substations are available in desk mounted, flush-mounted, weatherproof, or explosion-proof versions.

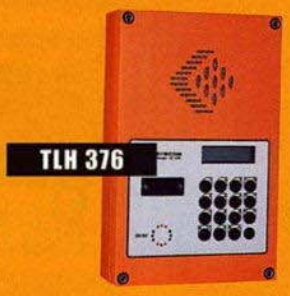
→ Options:

Audio visual extension ringer.
Sound extention by amplifier or loudspeaker.
Remote control by relay.
Telesuveillance
link to amplifier exchange, radio network, etc...

UPGRADE: IT'S SO EASY WITH "UNIVERSAL" SIMPLICITY

Extention of one or several stations:
The wiring plan on bus cable and distributed switching enable new stations to be connected without modifying the initial installation.
Change of configuration of existing stations is carried out by UNI2G programming.
Easy extention beyong 10 stations:
identical substations
easlily programmable stations with keypad.


TLH 344


TLH 376


TLH 214


TLH 376


RED 225


TCH 153

2 METHODS OF INSTALLATION STANDALONE OR NETWORKED

LEGEND

MS: 9 or 98 directions Master Station
SS : 1 way Sub-station
PaS: Receive only Sub-station for Public address
LS: Loudspeaker

Power amplifier extention

Central or local power supply

Junction box

1 pair if local power supply
2 pairs if central power supply

Conforme à la normalisation CE

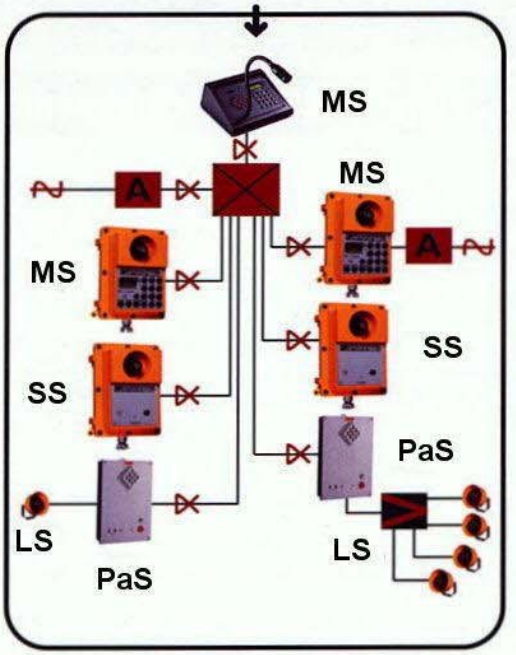
Qualité certifiée ISO 9002

SYSCOM

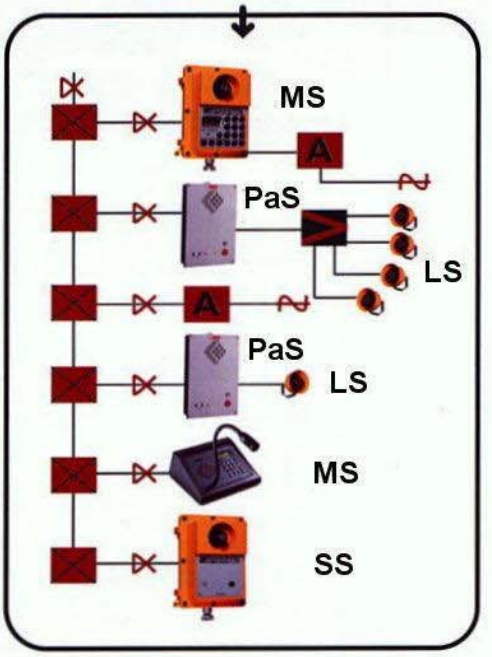
LE LAS is the specialist in safe communications for the most exposed industrial environnements: bulding sites, factories, tunnels... resistance to weather extremes, chimical hazards or vandalism. Throughout the world, Intercoms, Telephones and signal units of our manufacture meet every possible challenge, on a great number of sites. they often guarantee the safety of individuals and goods. They are also the dependable links for reliable real time communication between human being.

LE LAS

Star cabling plan



Bus cabling plan



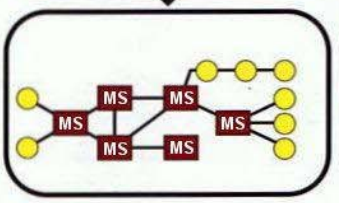
Master Stations and Sub-stations are wired up in parallel.
Cable to use: telephone type, 1 or 2 pairs, 9/10, with screen.
Whatever the program chosen (Intercom or star network) cabling will be bus or star.

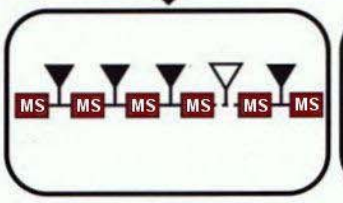
OTHER SYSCOM INTERCOM CONFIGURATIONS

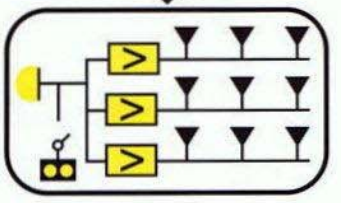
DIGICOM: one or more MS. with common or separate SS.
Star intercom or mesh diagram, general and group calls. Simultaneous conversations.
Central switch.
Amplification in each station.

TELSON:
Conference between multiple stations.
Combined public address and telephone systems for call distribution and conferencing. 1 to 10 conversation circuits on a bus cable.

PUBLIC ADDRESS:
Broadcast of instructions - paging of individuals - general call - selective call - amplifiers.
Microphones - loudspeakers.







Due to the constant desire to improve the quality of our products, we reserve the right to make modifications at any time.

The group comprises several compagnies:

- **LE LAS** - Telephone and Signaling
- **SYSCOM** - Intercom and Public address
- **POLYDICT** - Recording and Distribution
- **SOCOFA** - Data test and Transfer
- **ATO** - Time Management and Display
- **SYSTELEC** - Central telemonitoring

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