

## ELNO AIRPORT ACTIVITIES

### ELNO GROUP

**ELNO GROUP** existing since 1927 is specialized in electro acoustic products. We design, develop and produce global integrated systems in our main skills such as passenger information, communication and security.

**Global solution for passenger information :** Using our knowledge developed in two of our subsidiaries (**LEM - ELASON and IDMS**) we offer to airport authorities complete systems for Public Address including hardware equipments such as call stations, amplifiers, audio matrix,...and also the Automatic Voice Announcement System interfaced with the Flight Information System and Flight Data Base.

**Dedicated and specific systems:** Due to our experience in the analysis of customer requirement such as our technological knowledge in hardware and software, we can propose well adapted solutions to existing systems. The ELNO Group proposes standard solutions as well as specific software for special needs in :

- Automatic multilingual announcement
- Public Address system
- Special hardware and software interfaces
- Dedicated software operator for the management of information system.

### ACTIVITIES

#### **P.A.S: P**ublic **A**ddress **S**ystem (EN 60849)

P.A.S is a multi-function system that includes signal processing, powerful software and microphone call stations. A system is composed of modular elements which allow us to create a specific announcement system based on the needs of our customers. An integrated auto control system checks the whole components of the installation from the microphone up to the speakers (Conformity to security norms EN60849). It provides a back up solution if needed. Easy to setup and use PAS gives quality to improve airport communication and full reliability. The P.A.S can be upgrade throughout the evolution of the customer requirement

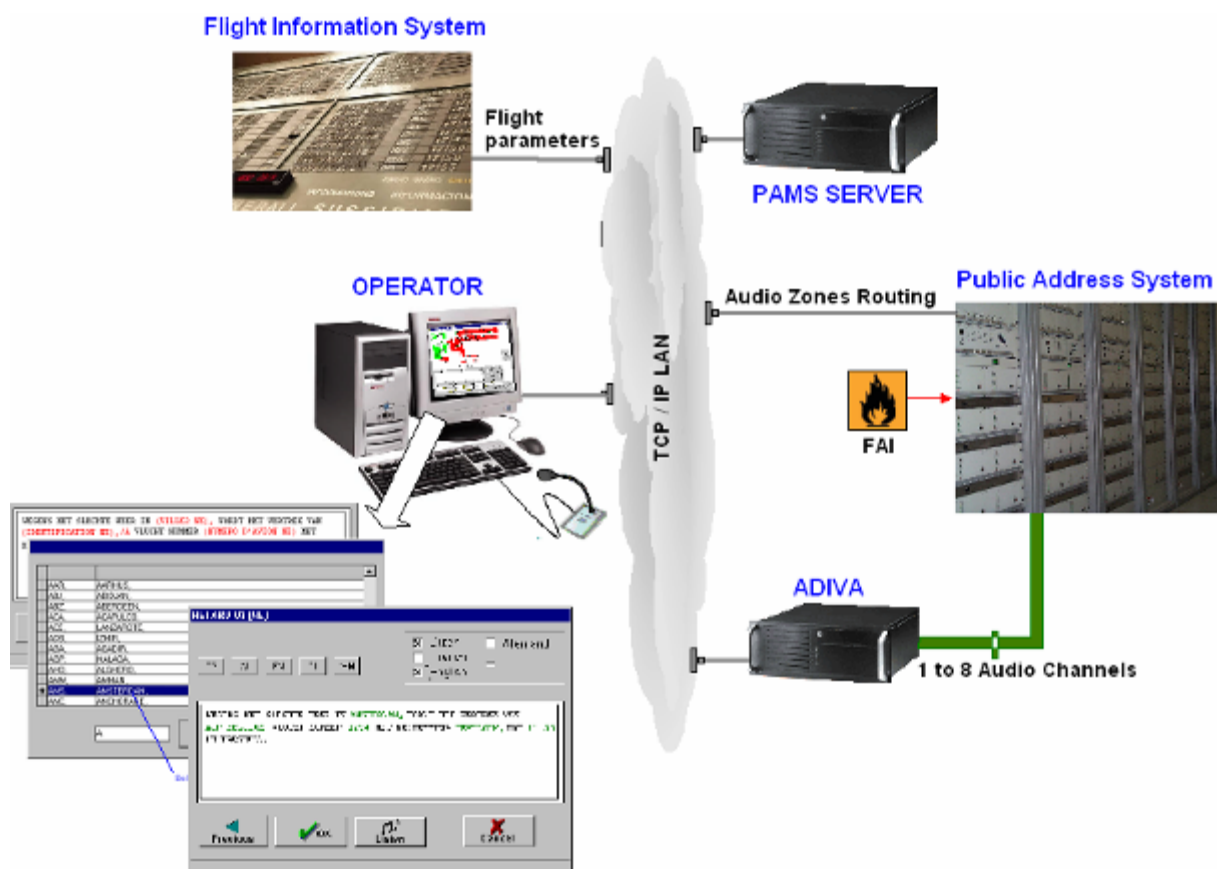
- **Call Station :**
- **Amplifier main and backup**
- **Digital player for EVAC messages**
- **Audio line and equipment control**
- **Audio matrix**
- **Loudspeakers**



## P.A.M.S : Public Address Management System

PAMS is a **fully integrated system** specifically designed to play all kind of voice announcement requested in an airport, such as : **live** message, slogans **pre recorded** by the operator or flight messages stored in a **studio recorded** data base. Interfaced with the **FIDS** or Flight DB, PAMS in real time automatically composes and plays in **several languages** on up to **8 audio channels**, all information from flight parameters received on **TCP/IP network** or manually selected by the **operators**. Audio zones are directly selected by PAMS or trough the operator GUI.

- Live call
- Slogans recording and broadcasting
- Flight announcements
- Prayer calls
- Broadcasting programs



## REFERENCES

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### In France

Aéroports de PARIS

- ORLY
- ROISSY Airport 1
- ROISSY Airport 2 : modules A, B, C, D, F
- Figari

### In Europe

- Luxemburg (Luxemburg )
- Geneva ( Switzerland )
- Brussels ( Belgium )
- Charleroi (Belgium)

### In Middle and Far East references

- Algiers (Algeria)
- Hassi Messaoud (Algeria)
- Laghouat (Algeria)
- Djerba (Tunisia)
- Cairo (Egypt)
- Dahrán (Saudi Arabia)
- Muharraq (Bahrain)
- Kuwait city (Kuwait)
- Dubai T1 (UAE)
- Beijing (China)
- Colombo (Sri Lanka)
- Dubai T3/C2 (UAE)



## CONTACT

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