

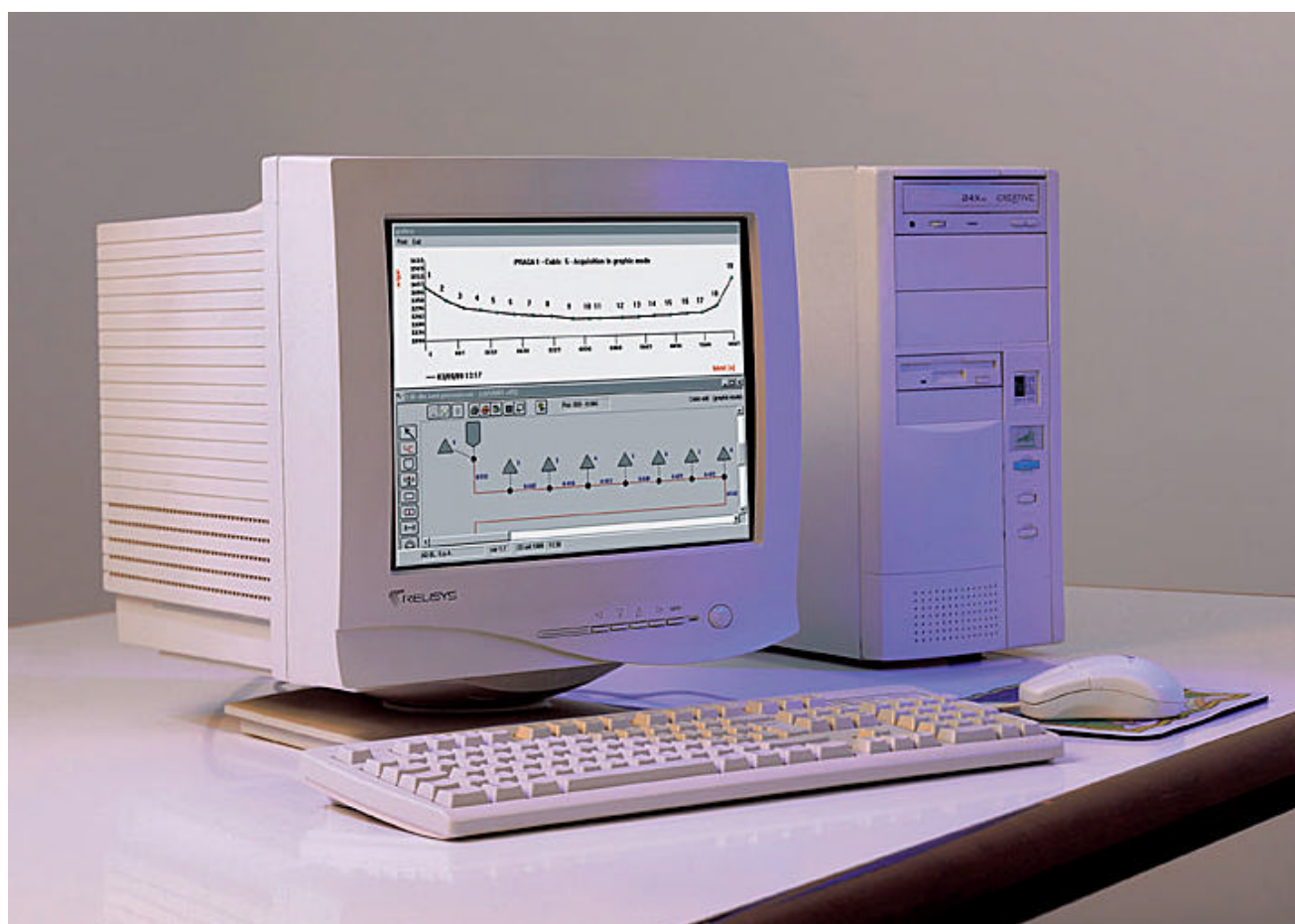
SURVEILLANCE CENTRE

The cable-management and surveillance network sees all the pressurisation stations, normally in unprotected places, connected via data lines with one or more manned centres.

Years of design, construction and management experience with pressurisation stations have led IPM to create a new system called CDS (Surveillance Centre) which has been purpose-designed to interface both all the old-type (SPU'87) and the new-type stations (SPU'94).

Based on a PC structure, these systems provide operators with all the tools for the correct management of the network. There are no restrictions on network composition, and so any number and type of station can be connected to one or more surveillance centres.

The CDS programmes are developed on a real multitask operating system that enables several functions to be executed simultaneously.



MAIN FUNCTIONS:**- Alarm reception:**

This always active and autonomous task memorises all the alarms received after cataloguing them by type and origin.

- Manual acquisition.

This dumps all the pre-selected station data.

- Periodic automatic acquisition.

In cycles and pre-set times, this dumps all the data from all the stations loaded into the system.

- Command mode.

This is connected to the pre-selected station and becomes its remote console.

- File management:

This enables the creation/amendment of the various system files e.g.:

- Station file with its automatic cycle;
- User file with various access levels and their passwords;
- Hardware resources file;
- Alarms-received file;
- Data acquisition file.

- Data management:

A series of programmes enables the analysis of the data acquired from the station:

- Parameter analysis: uses graphs to display the progress of any parameter of all the SGTAs and SDAs via the stored acquisitions.
- PT line analysis: enables the display (even multiple) of the cable-pressure curves and the identification of the fault point.

- Cable designer:

This enables the cable diagram to be drawn and all the required data for the subsequent processing to be entered.

- Alarm statistics:

This enables fault statistics and counts to be made according to settable search keys.

- Each application can be operated from a screen and enables the data to be printed.
- On-line help makes learning how to use the system easier.

