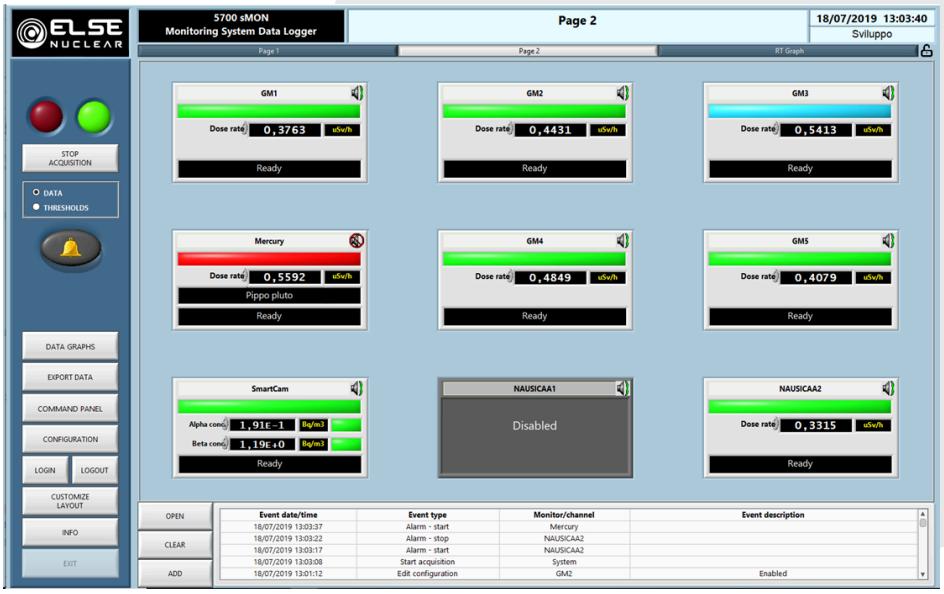
5700 sMON

VISUALIZATION AND PROCESSING SOFTWARE FOR MONITORING NETWORKS



User-friendly interface, easy archives access

Virtually infinite number of managed detectors

Adaptable and customisable

- Synoptic visualization of the detectors readings
- Real time visualization of monitoring status
- Storage of meas. values on daily file
- Visualization and storage of average data (10 m, 1 h, 1 d)
- Spreadsheet-compatible, printable archives

5700 sMON software is a complete, OS Windows compatible, remote software package for real time control, display and management of environmental monitoring systems, i.e. a network of radiation monitoring units based on Ethernet or serial connections.
The graphic interface presents four management windows: Main, Parameters, Command and Graphics. Every one of these has virtual keys and selectors available for user friendly access to the functions.
The data display and status monitoring of the instrument network are performed in real time by **5700 sMON**, installed on a host PC.
Dose rate and maximum instantaneous rate values are saved every minute on a daily archive file. Every 10 minutes, every hour and every day, the average rates are saved and stored too. The archives can be shared on a local LAN network.
A log of the system status is automatically generated and saved, including alarm/pre-alarm/malfunctioning events and configuration adjustments.
5700 sMON can be easily adapted and customised to meet specific requirements, regarding both the main functions as well as any accessory sub-routines.

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5700 sMON provides three access levels to its functions: Operator, Experienced Operator, Administrator. Experienced Operator and Administrator functions are password-protected.
5700 sMON logs all important events: application start/stop, acquisition start/stop, beginning/ending of radiological alarms, failure events, muting, change of thresholds, change of configuration settings.

ENVIRONMENTAL MONITORING SYSTEMS GUIDE

An ELSE NUCLEAR environmental monitoring system is composed of:

- an ETH or RS485 (for distances > 100 m) network of detectors, either connected to a ratemeter or with an embedded one, sending data to...
- ...a host PC running a 5700 sMON software managing measurements and parameters

All the connected detectors are synoptically displayed through virtual indicators that visualize real-time data and status. The user can manage the whole system through the software, setting the main parameters of each connected ratemeter, accessing the historical data archived in the database, visualizing/exporting data.
An accessory alarm column ALU can be provided, to be connected to the host PC, providing an “OR” indication of all the detectors and ratemeters status (alarm, pre-alarm, good functioning).
All ELSE NUCLEAR detector models can be used as a component of an environmental monitoring system.



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Operative HQ: Via Sacro Monte 3/12 - 21052 Busto Arsizio, Varese – Italy
+39 0331 620533 - info@elsenuclear.com