EUCLIDE

MULTI-PROBE MONITORING SYSTEM WITH LOCAL UNIT
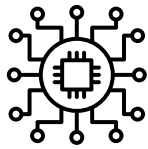
ELSE NUCLEAR

Compatible with all the ELSE NUCLEAR detectors

Autonomous and complete system

Tailor-made versions available

- Several detectors connected at the same time
- Complete local software interface for data acquisition, saving and management
- ETH port for communication with external PC
- Alarm column for status indication

The environmental monitoring system **EUCLIDE** consists in a network of ELSE NUCLEAR detectors connected to a wall-mounted Local Control Unit, featuring a panel PC with a complete and autonomous management software.

All the available models of ELSE NUCLEAR detectors can be connected to the EUCLIDE LCU and managed by the system.

EUCLIDE is designed to be a simple and extremely versatile solution for all the applications requiring a system to monitor the radiation levels in medium-size areas, possibly using different detectors (e.g. for gamma or neutron radiation), managing the data in real-time from a single local interface.

The **EUCLIDE** system is composed of:
- EUCLIDE LCU, a wall-mounted box with panel PC, power supply module, I/O modules and connectors
- alarm column with LEDs and siren for status indication
- detectors connected to the LCU through dedicated probe cables, to be selected from the whole ELSE NUCLEAR catalogue

Thanks to the versatility and modularity of the system design and its components, it is possible to adapt the **EUCLIDE** architecture to many different specific requirements.

SYSTEM VERSATILITY EXAMPLES

Among the most representative examples of versatility, we can mention the following:
- more than one alarm column can be managed, each one dedicated to a single detector
- test buttons on the LCU to test alarm activations
- double panel PC to split in two groups the connected detectors synoptic visualisation
- "beam-on" input management, or interface with external sistems

TECHNICAL SPECIFICATIONS

Please refer to the dedicated datasheet for any information about the detectors.

EUCLIDE software
- Real-time acquisition of the measurement data from the connected detectors
- Automatic and continuous control of the measurement values through pre-set alarm thresholds
- Data archiving in numeric and graph form, exportable and compatible with spreadsheet applications
- Management of the detectors operating parameters
- Password protection of the setting functions
- Compatibility with 5700 sMON management software and Ethernet connection with external PC

OPTIONS

The EUCLIDE mononitoring systems can be configured to meet specific conditions, according to the technical requirements.

Alarm column management

Connection to external PC with 5700 sMON software

Connectable detectors