

Control your world

A single platform for
all your technology



Guardian Kernel

The **Guardian** platform has been a benchmark in the banking and industrial sector for data centralization for more than 25 years.

Founded as a PSIM platform, with a consequent focus on security, Guardian has evolved over time to meet customer needs, becoming an open platform which is able to integrate any type of application, making it possible to interact with the data in real time.

Guardian guarantees customers maximum investment and simplification of control procedures.

With more than 5,000 centralized sites and 25 years of continuous growth, Guardian is a reference system on the centralization market and is the first application able to meet all the new market needs in the field of **Internet Of Things** and **Industry 4.0**.



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2B CONTROL

Guardian Kernel is the heart of the centralized management system, and can host different application modules according to specific needs, which may vary from access control, to the management of anti-intrusion or CCTV systems. To date there are more than 15 modules, born over the years by specific market requests and the availability of new technologies.

Guardian Kernel, through its DATA SERVER and COMM SERVER subsystems, governs all the communication processes to and from the peripheral devices to be controlled, creating a centralized real-time archive serving the various management modules. The scalability of subsystems allows the creation of architectures without a theoretical limit, allowing the system to grow according to customer needs. A multiscreen and multi-windows user interface allows the creation of highly automated monitoring and control stations, with the possibility to exchange data automatically or in drag and drop in the various screens.

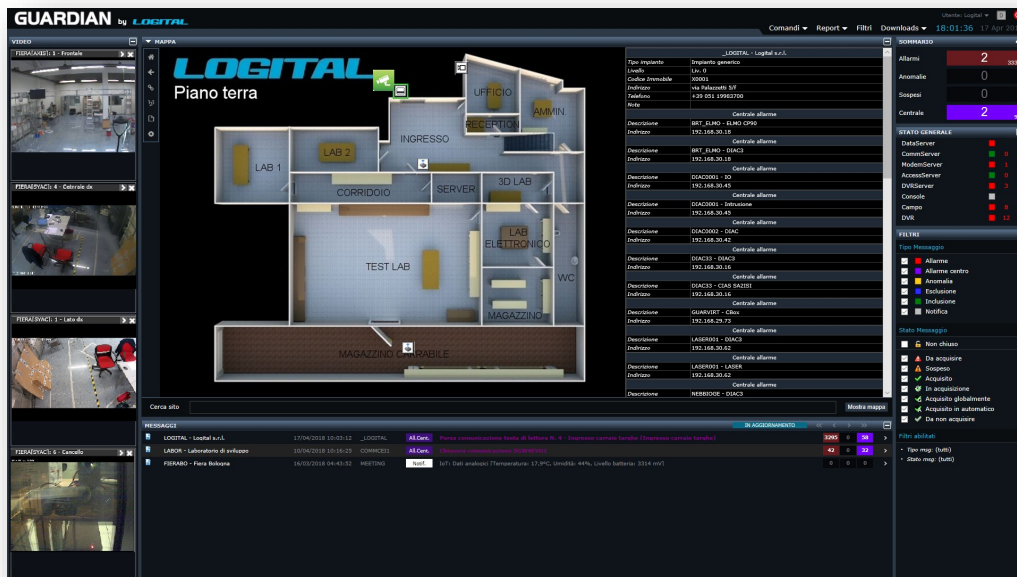
The user is able to create infinite customized views, inserting the necessary management modules and the methods for viewing and processing the most appropriate data. This operational structure allows, in addition to obtaining a very immediate and intuitive user interface, to maximize the

exploitation of the modules installed through their interaction.

For example, it is possible to correlate all the video streams managed in the VMS module with the objects present in the field of the intruder module or the access control module, displaying and storing the video streams coming from points in which burglaries or events marked as significant.

Guardian Kernel, adopts all the most advanced systems for data redundancy and emergency procedures for disaster recovery.

Guardian Kernel, can use the programmable controllers of the SGW family for the conversion of interface protocols or the collection from the analog or digital data field, making possible the interaction with any device, sensor or actuator present in the field.



The Guardian Kernel ecosystem



Guardian Kernel, in its server components, operates on Microsoft Windows © operating system. The database uses Microsoft SQL Server ©. Installation on virtualization platforms such as VMWARE © is also planned. It uses IE browsers, Chrome, Firefox and HTTPS protocols for the management and control interface. Authentication to the system takes place using LDAP protocol according to company policies

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From the experience gained both by LIGHTHOUSE and Logital born 2BControl, in order to enhance technological know-how and widespread presence in the world by creating a highly competitive and cutting-edge offer.

LIGHTHOUSE
Thinking Ahead. Staying One Step Ahead.

Geophysical, geotechnical,
environmental survey, positioning
provider



Vessel management

LOGITAL

Software and system integration

LOGITAL
DIGITAL MEDIA

Hardware and firmware engineering
and production

airlogs

Airport solutions for passenger and
cargo areas



2B Control World Network

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