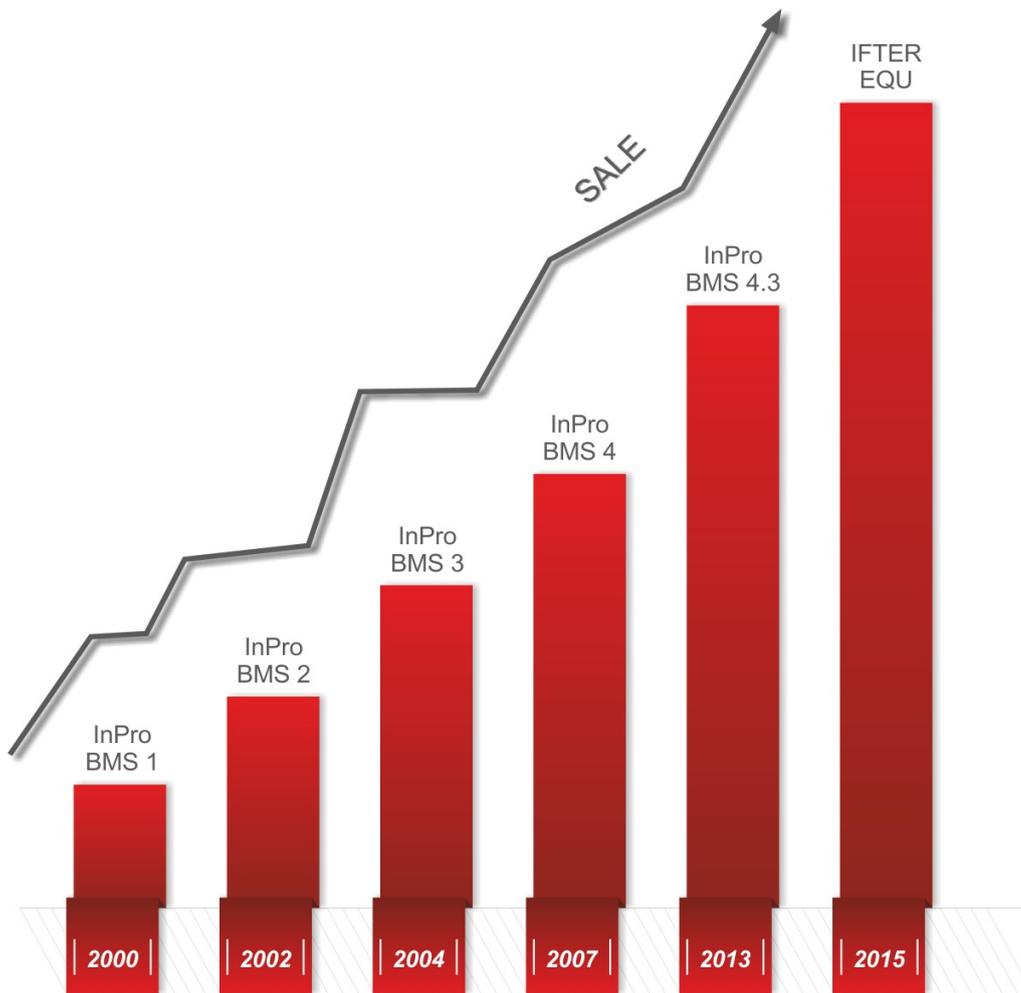




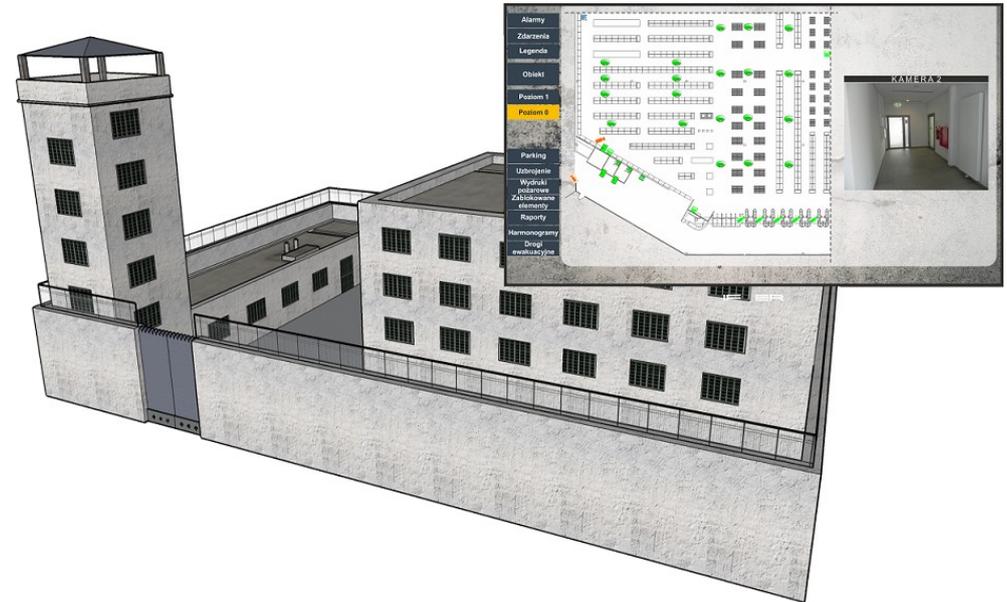
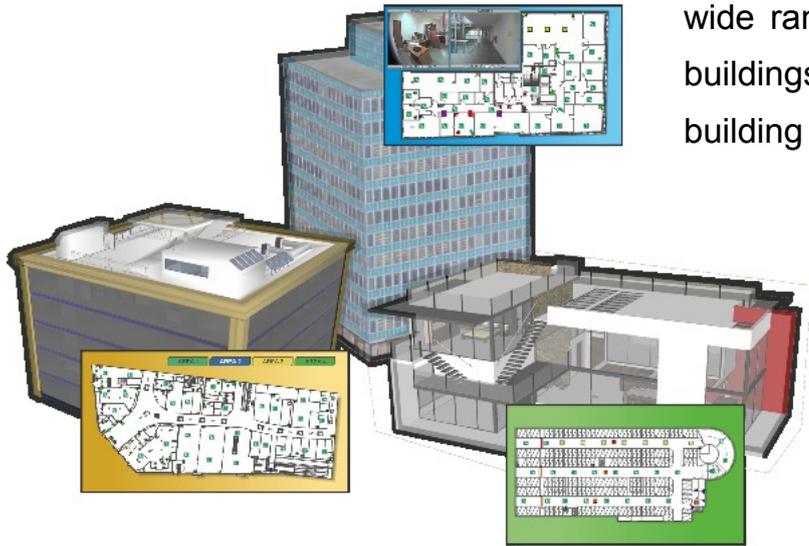
IFTER EQU



IFTER is a well known manufacturer of the building management systems software, which includes: Fire Alarm Systems (FAS), Access Control Systems (ACS), Intruder & Hold Up Alarm Systems (I&HAS), Closed-Circuit Television (CCTV), building automation systems and control-measuring systems. All of the supported systems are integrated by one software – IFTER EQU enabling full usage of those systems.

We have been developing InPro BMS since 2000. On the basis of experiences gained during that time, IFTER EQU was launched in 2015. Thanks to the comprehensive changes, we have created the product that is even more flexible and intuitive.

Flexible work environment that our software offers, makes it an ideal choice for a wide range of uses. It is a good solution for factories, shopping centres, military buildings, office buildings, hospitals and other objects. It works excellently both with building management systems and perimeter security.

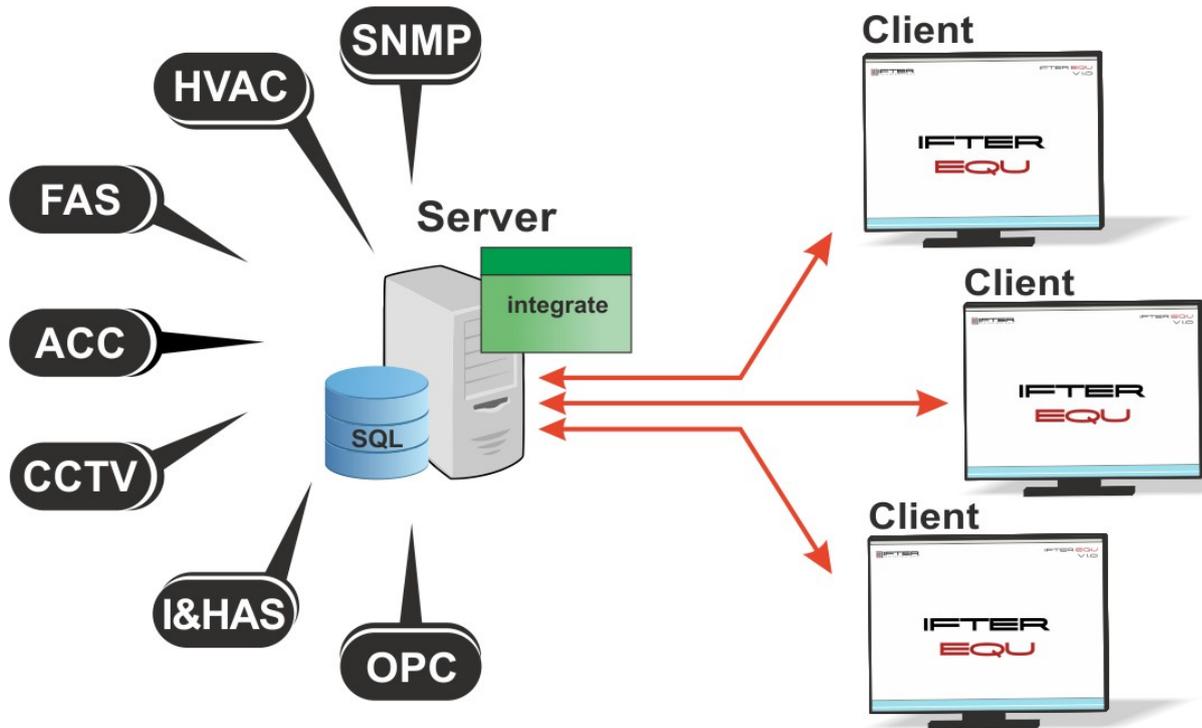


Vast scaling capabilities allow IFTER EQU to be used both at large and at small objects. We were able to create a reliable product which can be adjusted to specific needs of a client.

IFTER EQU works with Oracle SQL database. Thanks to this solution you can build a system with multiple stations, where each computer can simultaneously save and read out your database.

System uses a client-server architecture. It allows you to implement flexible and stable solution and to start multiple computers at the same time. Database server is installed on the main computer and other computers connect with the main unit. Database stores configuration and events. Every time a change is introduced to the system, it is saved on all computers. Thanks to this solution user can work online. Both database and IFTER EQU can be installed on the same computer.

Integration server connects with supported devices and registers all events, logging them in the database.

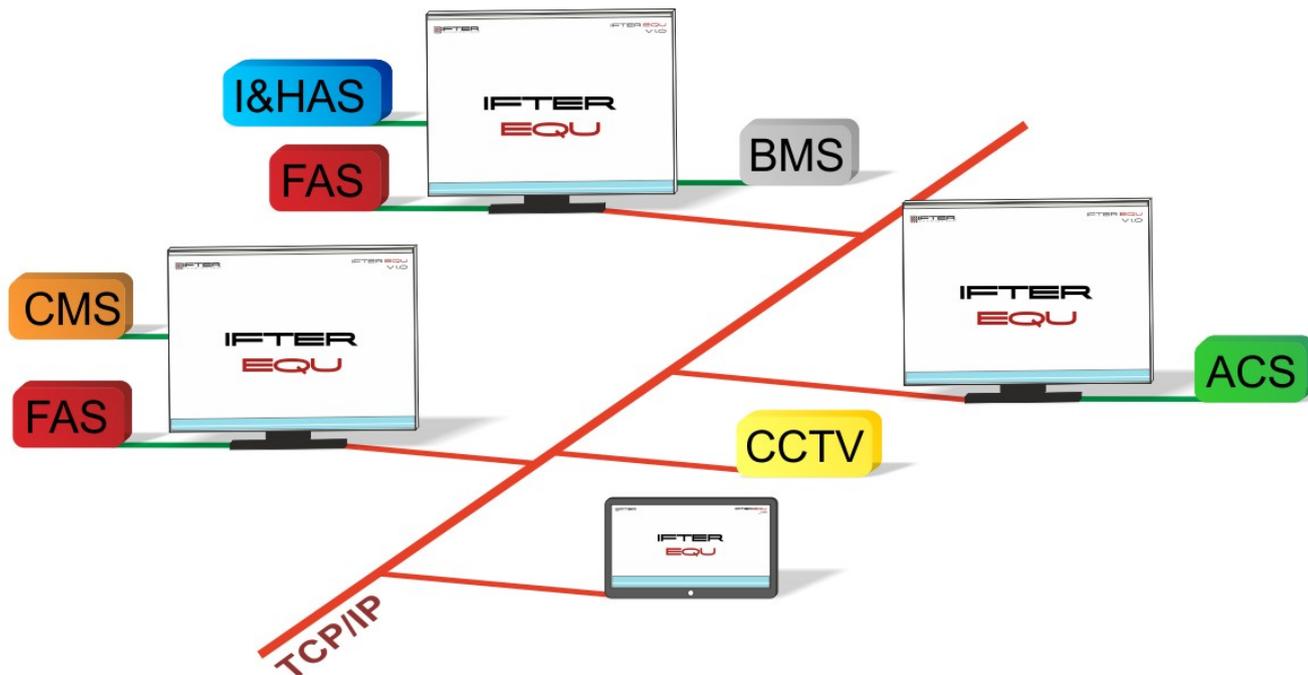


Thanks to years of experience we have gained by developing InPro BMS, we were able to create IFTER EQU. Our latest product is designed to be more flexible and intuitive. IFTER EQU ensures better security and stability.

Vast scaling capabilities allow IFTER EQU to be used both at large and at small objects. We implement our software in factories, shopping centres, military objects, office spaces, hospitals, etc.

Integrated systems:

- FAS Fire Alarm Systems
- ACS Access Control Systems
- I&HAS Intruder & Hold Up Alarm Systems
- CCTV Closed-Circuit Television
- BMS Building Automation
- CMS Control-measuring Systems

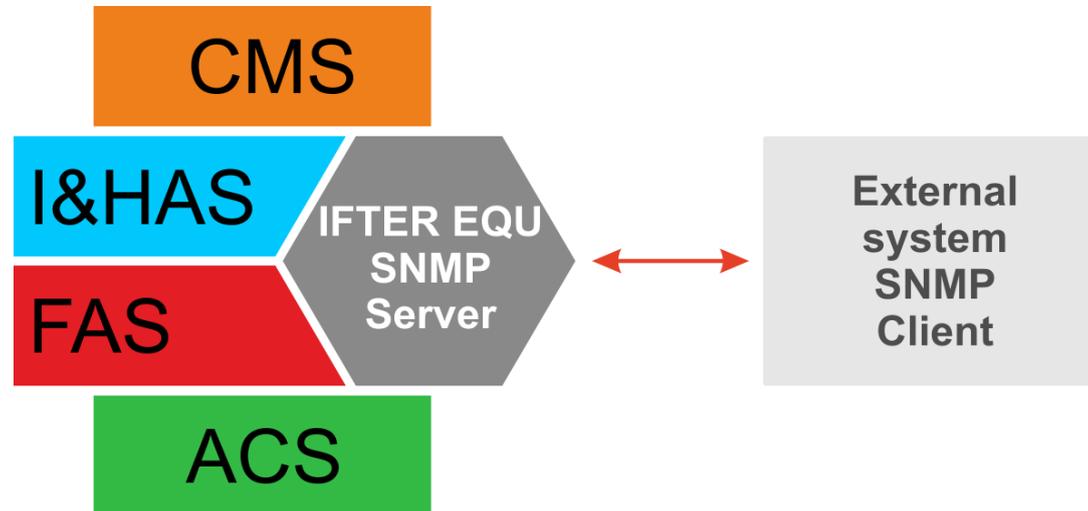


We are an independent company, which allows us to offer solutions from multiple manufacturers of FAS, ACS, I&HAS, CCTV, BMS and control-measuring systems. This way, a client has a vast choice of integrations, which makes IFTER EQU even more universal.



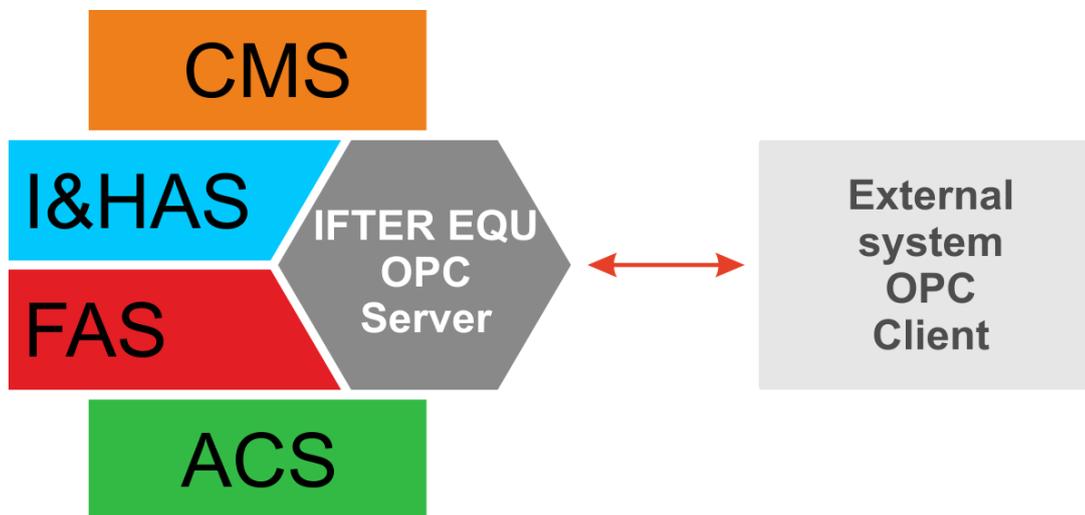
Simple Network Management Protocol (SNMP) is a standard protocol for managing devices included within IP network. SNMP is a common solution for network management systems and network devices monitoring. SNMP is a part of Internet Protocol Suite (IPS) defined by Internet Engineering Task Force (IETF). It consists of the group of network management standards which contain application layer, data scheme and data objects. SNMP devices provide data in a form of variables and Traps. At the same time user is able to fully manage them through surveillance systems.

Built-in SNMP support allows to provide external SNMP Clients with data downloaded from integrated devices. Through SNMP server, IFTER EQU is able to share data collected from alarm control units, fire alarm control units, access control system and control-measuring devices. Thanks to SNM Server included in IFTER EQU, external systems without a direct SmartLoop control unit support can be provided with all data regarding this particular control unit.

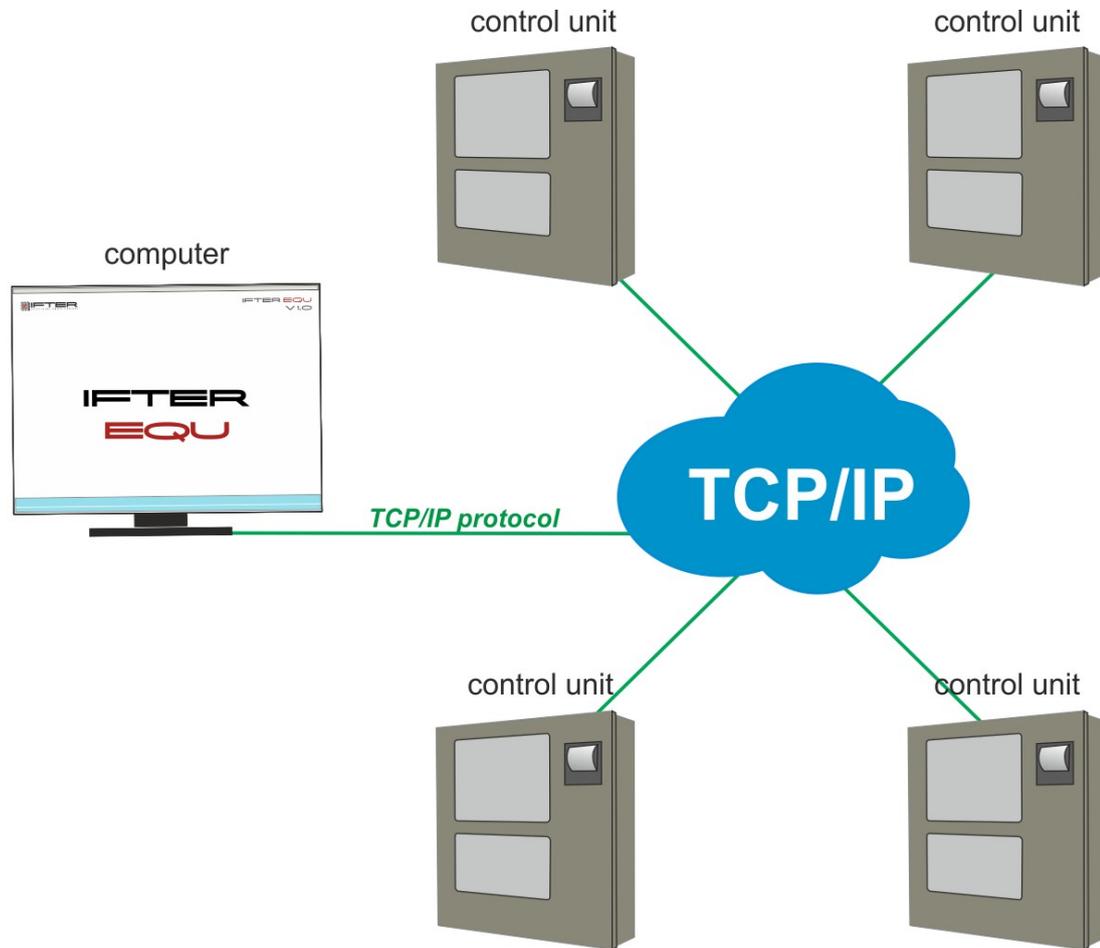


OPC (OLE for process control) is an open communication protocol used in building automatics. It has been created to connect applications based on Windows operating system with measuring systems, building automation, security systems and other devices.

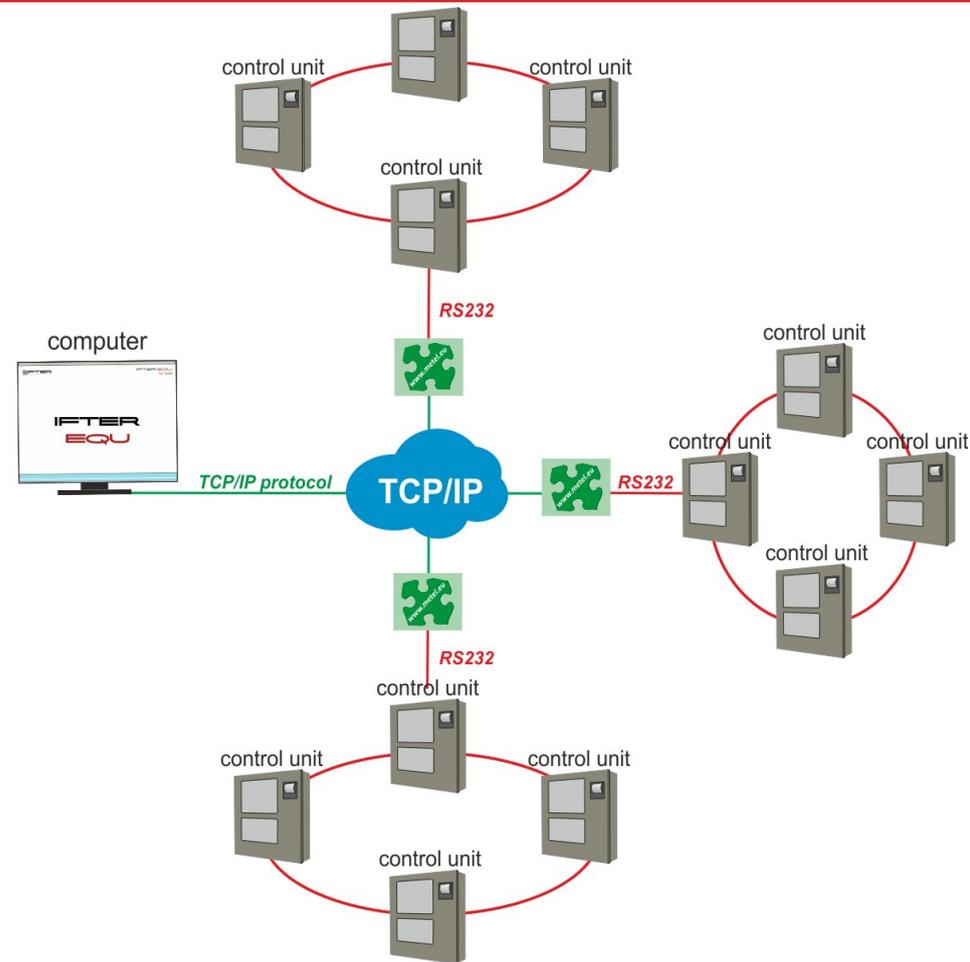
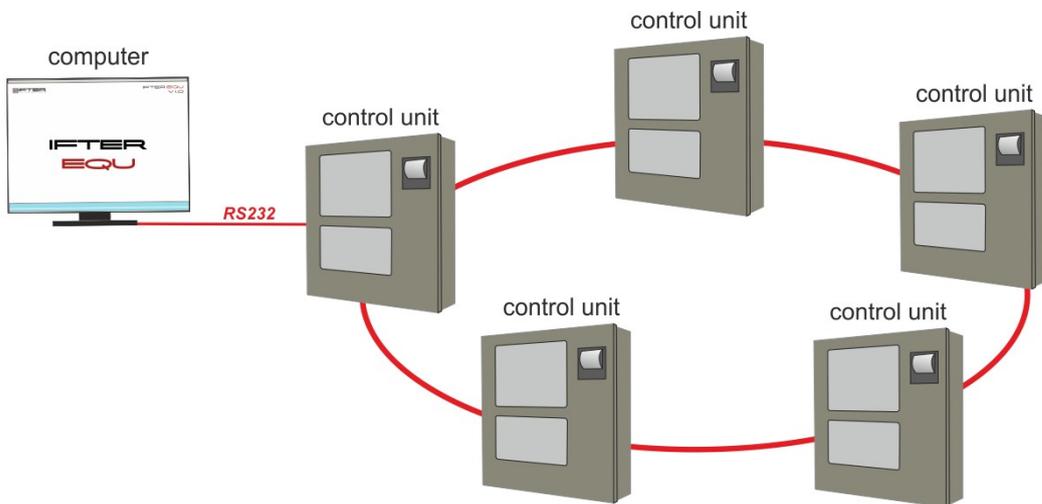
Built-in SNMP support allows to provide external OPC Clients with data downloaded from integrated devices. Through OPC server IFTER EQU is able to share data collected from alarm control units, fire alarm control units, access control system and control-measuring devices. Thanks to OPC Server included in IFTER EQU, external systems without a direct SmartLoop control unit support can be provided with all data regarding this particular control unit.

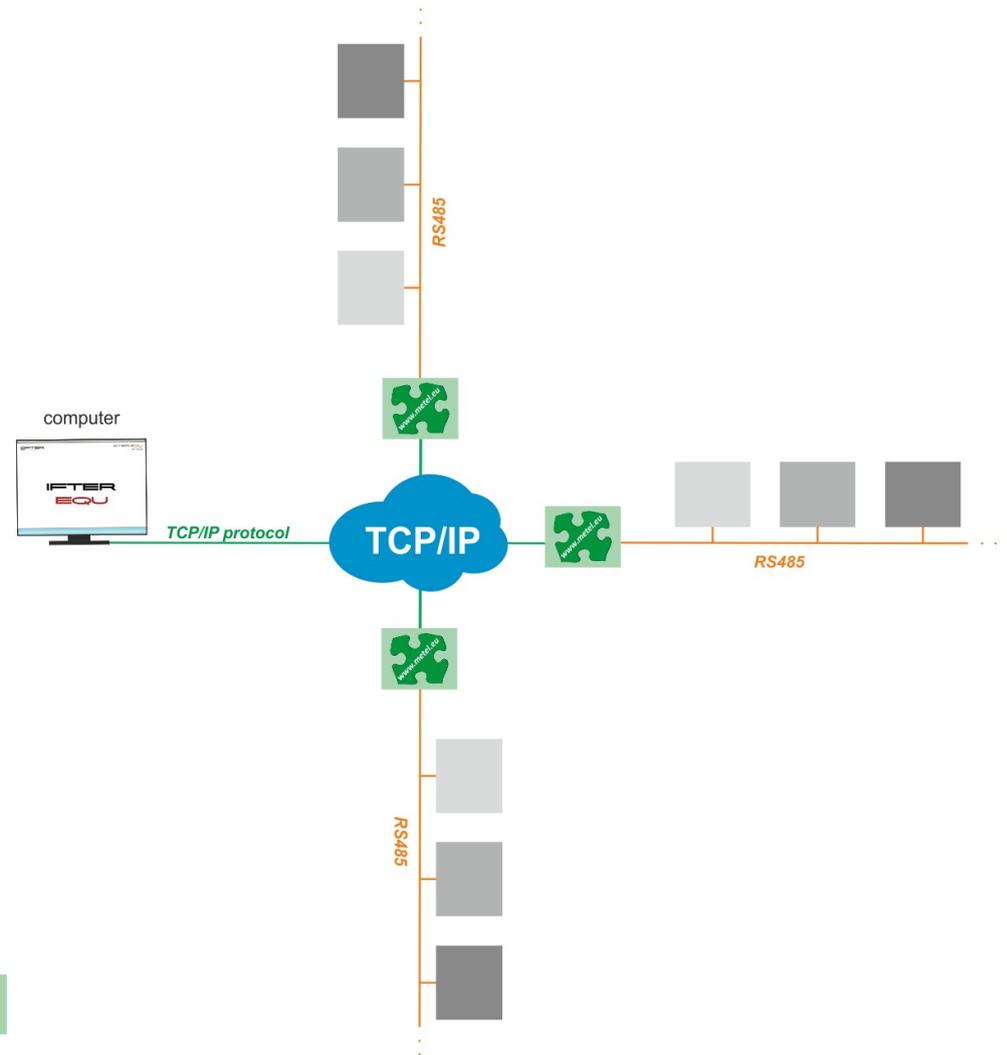
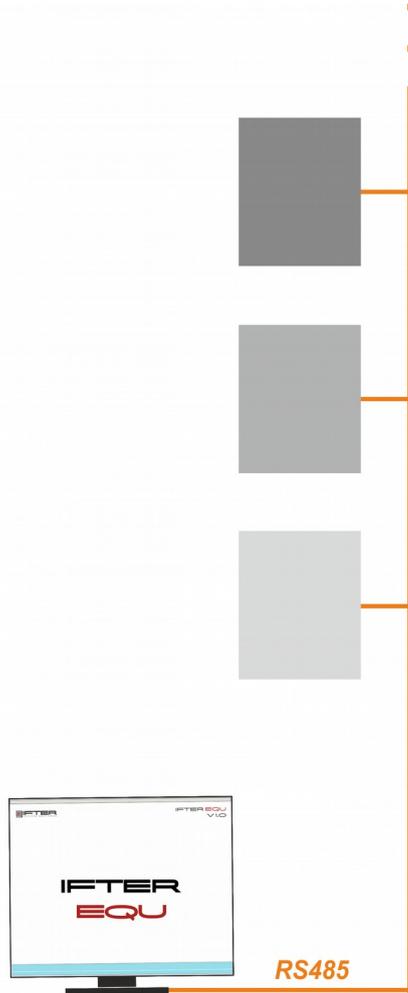


With the use of TCP/IP connection, IFTER EQU is able to support the devices scattered throughout many different places. Therefore, system is not limited to one specific location. More and more producers offer their products with optional network connection. IFTER follows those trends and gives you very adjustable and reliable software.

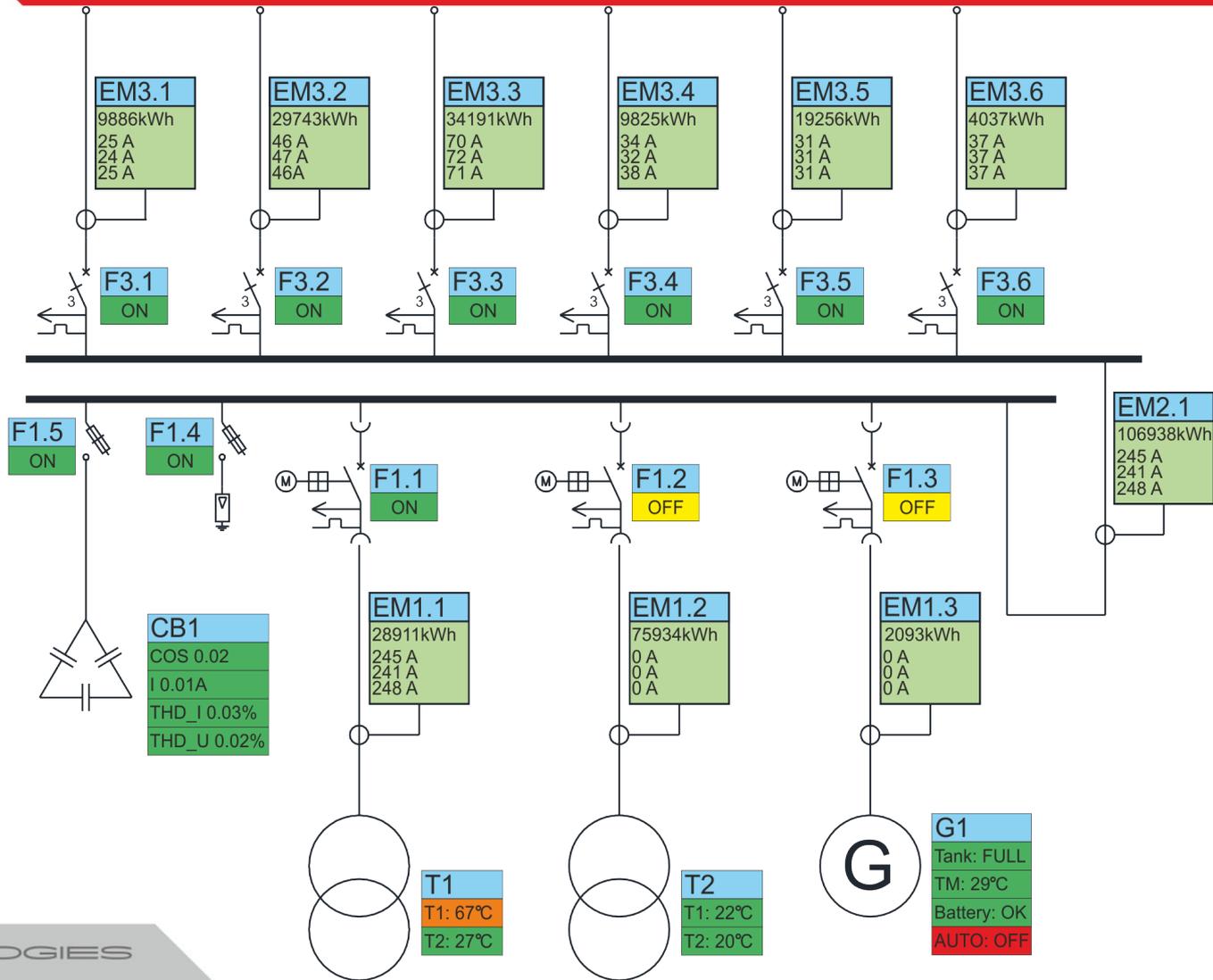


Thanks to RS connection, support is carried out in both directions: IFTER EQU downloads the current system state and events from the control unit, and at the same time it controls the work of this devices.

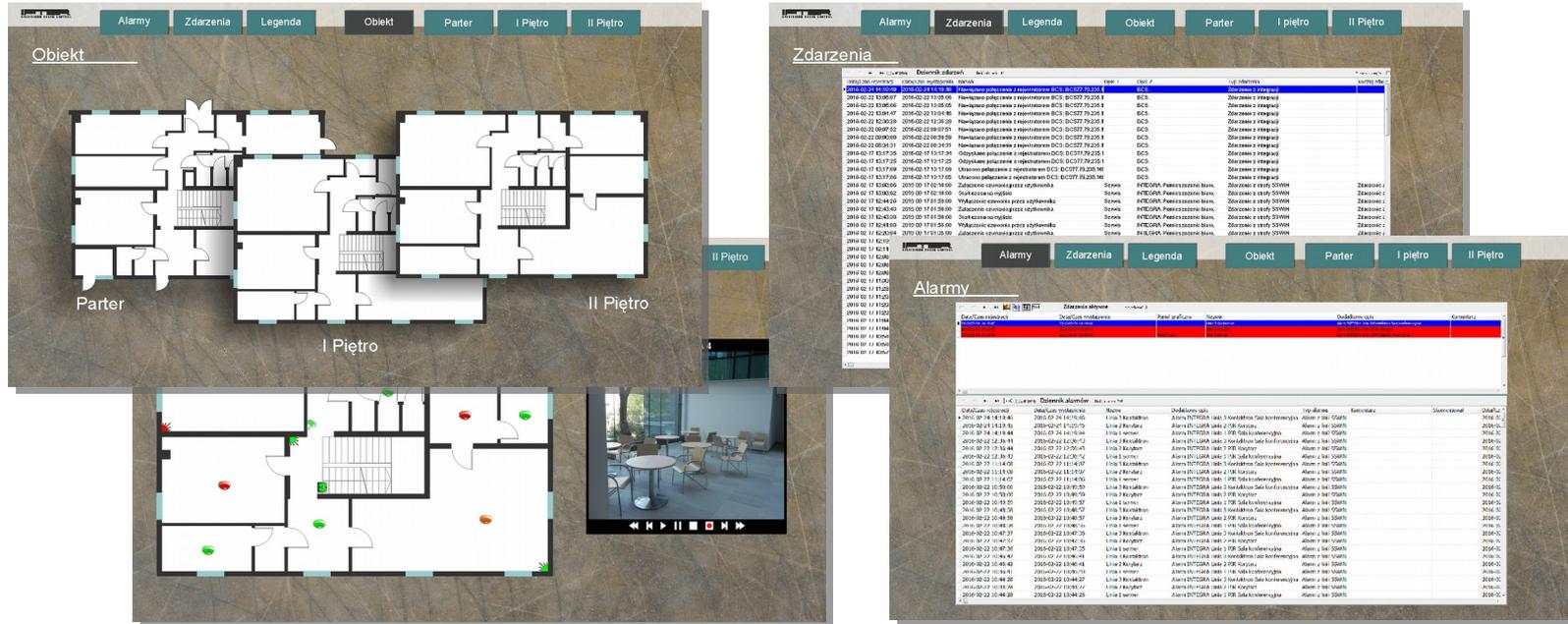




Control-measuring systems are supported by open communication protocols, such as Modbus, Mbus and SNMP. It enhances the range of monitoring possibilities, because it supports many devices of different manufacturers of electric meters, heat meters, cold meters, water meters, etc., as well as UPS, temperature, humidity and more. Displaying measuring elements in a graphic way, allows to specify their type and present the measured value.



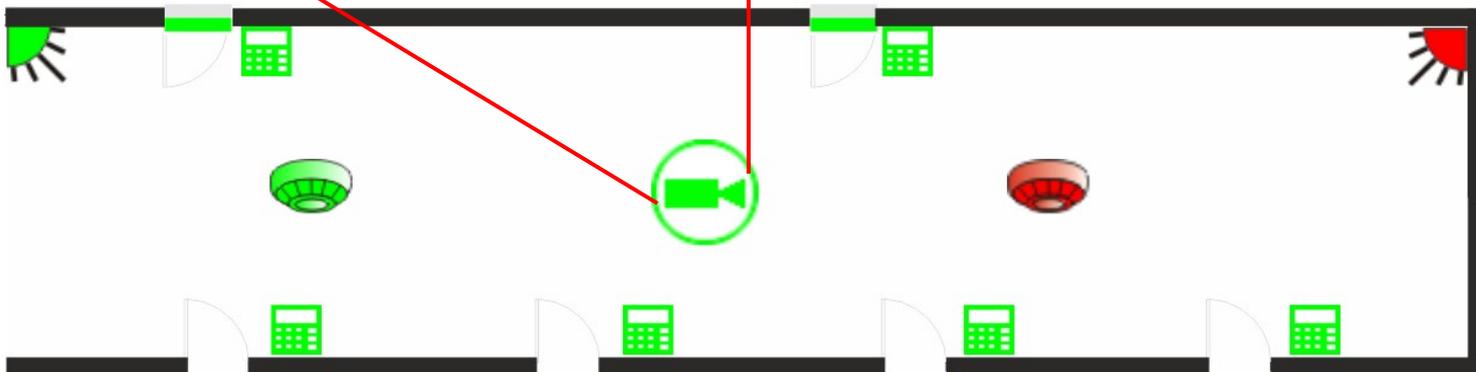
IFTER EQU is an information system for visualisation, integration and building management systems. The visualisation enables to present, in a graphic way, the states of devices placed at object. The look of graphic icons allows to easily identify their type and the actual state of device. Devices change their look immediately.



In order to present the localisation of devices in a building, their graphic icons are presented on the architectural and geodetic plans. Clicking at an icon gives information about the last alarm and event from that particular device. It also allows to control the state of device.



In case of CCTV recorders, you have access to live camera footage, but you can also go through archive. In IFTER EQU you can integrate multiple systems and show particular camera footage as a reaction to the alarm. For example: when PIR detects movement in the area, a particular graphic panel will be displayed (representing the area where the movement occurred). IFTER EQU not only supports cameras and selected recorders. Our software is designed to display the footage from every RTSP camera.



The visualisation of FAS allows to preview the state of the system in real-time. Devices' icons, placed on the architectural plan, make it easier to locate a device. In case of emergency, the notifying device changes its colour to red.

The screenshot displays the IFTER Fire Alarm System interface. At the top, there are navigation tabs for 'Alarms', 'Events', 'Legend', 'Object', and floor selection: '1st Floor', '2nd Floor', and '3rd Floor'. The '2nd Floor' is selected, showing a detailed architectural floor plan. Various icons are placed on the plan, representing different devices. Most icons are green, but one icon in the upper right area is red, indicating an active alarm. To the right of the floor plan is a live video feed from 'CAMERA 4', showing a large fire in progress. Below the video feed is a control bar with play, pause, and other navigation icons. At the bottom right, there is a legend table:

A1: cameras	A4: office 3
A2: office 1	A5: office 4
A3: office 2	A6: office 5

Danger detection elements, combined together with the CCTV cameras, give us the automatic view from a specific camera, at the time of danger appearance.

IFTER EQU, thanks to ACC, controls the flow of people at the object. It is able to constantly inform about the number of people present at individual parts of a building.



An operator sees the personal data every time someone passes the supervised door. He/she can verify the identity of that person via camera footage. If a person is on restricted-people list, the warning message will be displayed.

Constant control over I&HAS state and bypassing of detectors is possible thanks to the arrangement of elements on the architectural plan. Additional functionality is arming / disarming alarm groups, blocking inputs and controlling outputs.

The screenshot displays a security management software interface. On the left, there is a vertical menu with buttons for 'Alarms', 'Events', 'Legend', and 'Object'. The main area is divided into several sections:

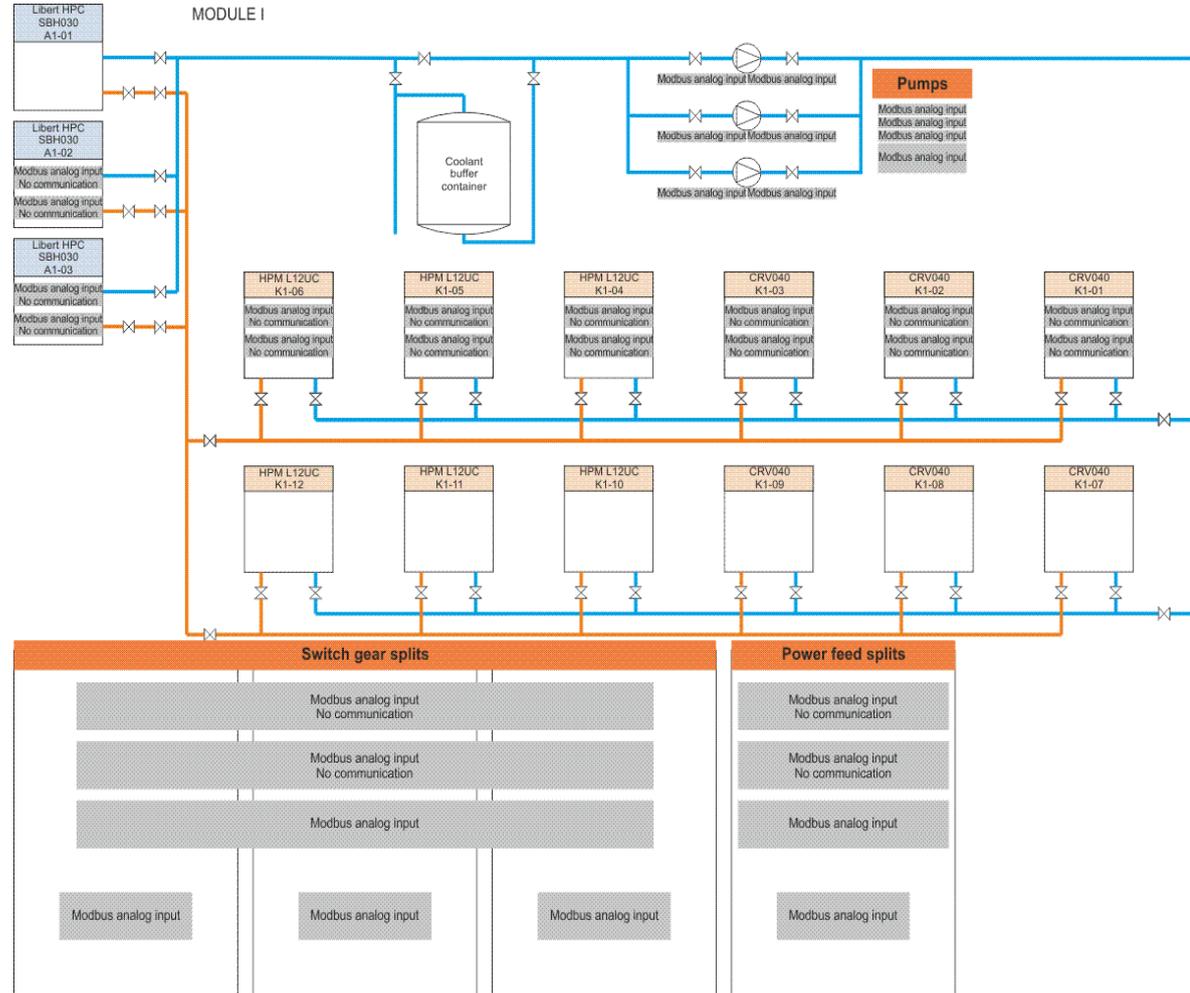
- Cameras:** A list of camera locations including Bookkeeping, Administration, Commerce Director, HR, Staircase, Conference room (highlighted in orange), Lobby, and Office.
- Control panel:** A set of navigation and control icons for zooming and preset selection.
- Records:** A section for viewing logs, showing a date range from 2016-02-11 to 2016-02-11, and camera selection options.
- Architectural Plan:** A detailed floor plan of the second floor, divided into 'Part I' and 'Part II'. A green arrow on the plan indicates the camera's field of view.

At the top left of the interface, a live video feed shows a conference room with several long tables and chairs. To the right of the video feed, a small inset shows a simplified floor plan with the current camera's location highlighted in green. Below this, it reads 'FLOOR: second' and 'PART: first'.

There is also a possibility to combine elements with CCTV cameras; building automatics system; scripts; etc. For example, opening a window causes turning-off the air conditioning system.

Building automation is supported by the open communication protocols, such as Modbus, OPC, SNMP, BACnet. It gives us flexibility in offering comprehensive solution to our clients which is more than your standard security system.

You are able to manage all systems from one workstation.



The list of alarms is prioritized. This way, top priority alarms (most of all, panic alarms) are always on the top of the list, even if there are other most recent alarms.

Active events				
Date/Time of entry	Date/Time of occurrence	Graphics	Name	Additional description
2016-02-25 09:22:22	2016-02-25 09:22:22	Building A	Line 3 panic but.	Panic alarm, Building A, Line 3, Secretariat
2016-02-25 09:21:12	2016-02-25 09:21:12	Building A	Line 5 panic but.	Panic alarm, Building A, Line 5, Office3
2016-02-25 09:21:01	2016-02-25 09:21:01	Building A	Line 11 panic but.	Panic alarm, Building A, Line 12, Lobby 1st Floor
2016-02-25 10:00:55	2016-02-25 10:00:55	Building C	Line 12 PIR	Panic alarm, Building A, Line 18, Lobby 2nd Floor
2016-02-25 09:52:42	2016-02-25 09:52:42	Building C	Line 8 o. detector	Panic alarm, Building A, Line 11, Office 1
2016-02-25 09:20:43	2016-02-25 09:20:43	Building A	Line 7 PIR	Panic alarm, Building A, Line 7, Lobby 2nd Floor, Entry
2016-02-25 09:19:42	2016-02-25 09:19:42	Building A	Line 6 o. detector	Panic alarm, Building A, Line 6, Entry, Doors

I&HAS

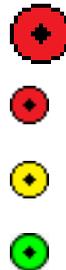
PIR



Open detector



Panic button



Zone



Alarm

Tamper

Unarmed

Armed

Alarm

No communication

Normal

Armed

FAS

Smoke detector



Alarm

No communication

Normal

Tech alarm

Test

Fault

Blockade

This is a separate version of IFTER EQU, designed specifically for military objects. It allows for a full control over the object, in terms of events and people present on site.

AREA

- Alarms
- Events
- Legends
- Area
- Building A
- Building B
- Building C
- Building D

Secretariat	Gym 1	Lobby A2	Lobby D2
Conference room A	Gym 2	Lobby B1	Kitchen
Office 1	Baths	Lobby B2	Canteen
Office 2	Locker-room 1	Lobby C1	Server room
Office 3	Locker-room 2	Lobby C2	Conference room B
Office 4	Lobby A1	Lobby D1	Lodge
Windows A	Windows B	Windows C	Windows D

Elements in alarm

- Building A, Line 3 Open detector, Conference room A
- Building A, Line 5 PIR, Conference room A
- Building A, Line 5 PIR, Lobby A1

Elements in damage/sabotage

Elements blocked

2016-02-25 14:40:17 Panic alarm, Building A, Conference room, Line 3, Doors