



Over IP Innovation in the ICT world

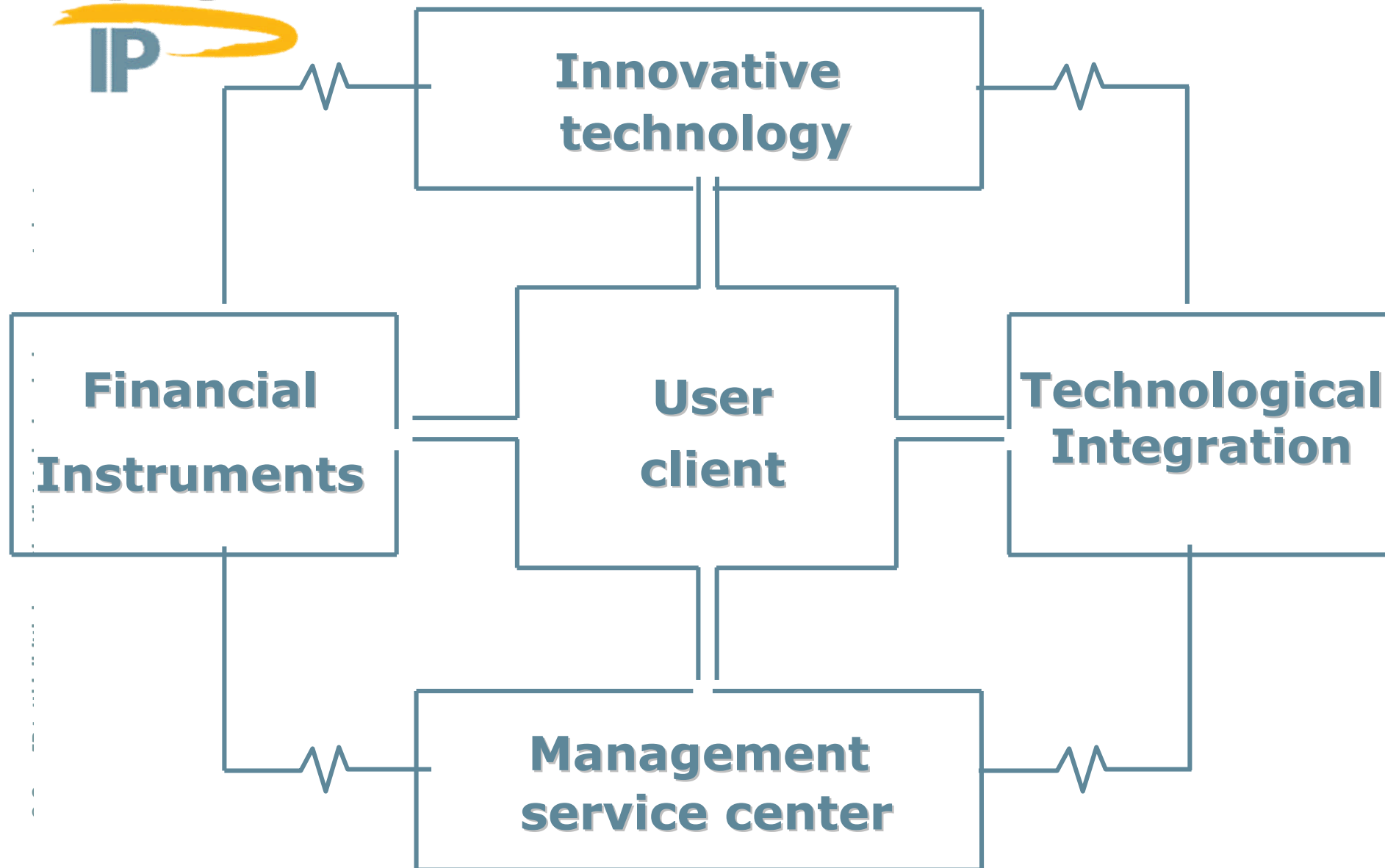


By: Over IP Ital East Engineering Group



Over IP - MISSION

- ❑ **Over IP** works on two important, strategic markets for the innovation of **Energy and Information Communication Technology** developing and providing services and systems for the benefit of the public. Its primary goal can thus be said to be **social utility**.
- ❑ **Energy:** with systems that ensure a combination of better service to the users and real economic and energy savings for the utility companies, **Over IP** creates direct benefits and savings for the public.
- ❑ **ICT:** with projects and systems developed to improve assistance and the effectiveness of the services developed for socially important sectors useful to the public such as health, "homeland security", etc.

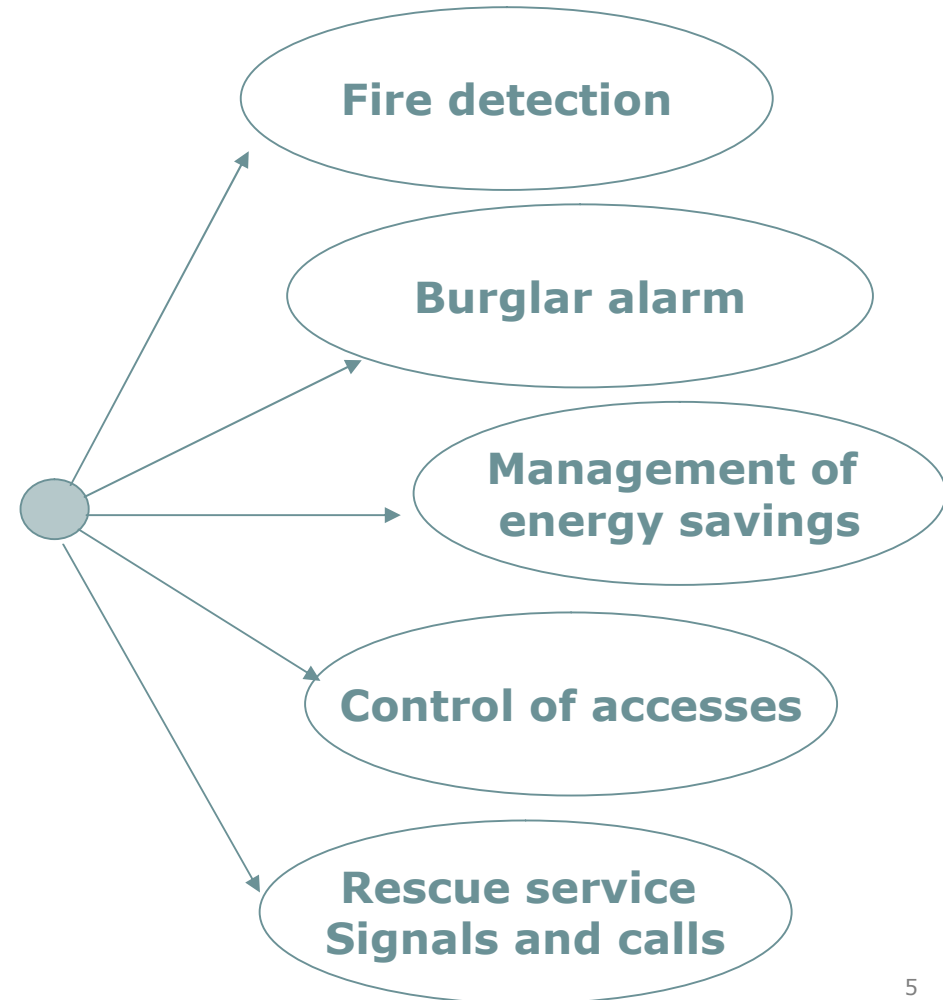




Telebuilding System

- **System for control of accesses with proximity reading**
- **High level of security of signals**
- **On-line or stand-alone operation**
- **Load management and control**

- **Over IP designs and sells devices for Building Automation**
- **Over IP can assist the client from the early stages of design to define the specific features of the system and optimum solutions**



ACCESS CONTROL SYSTEM

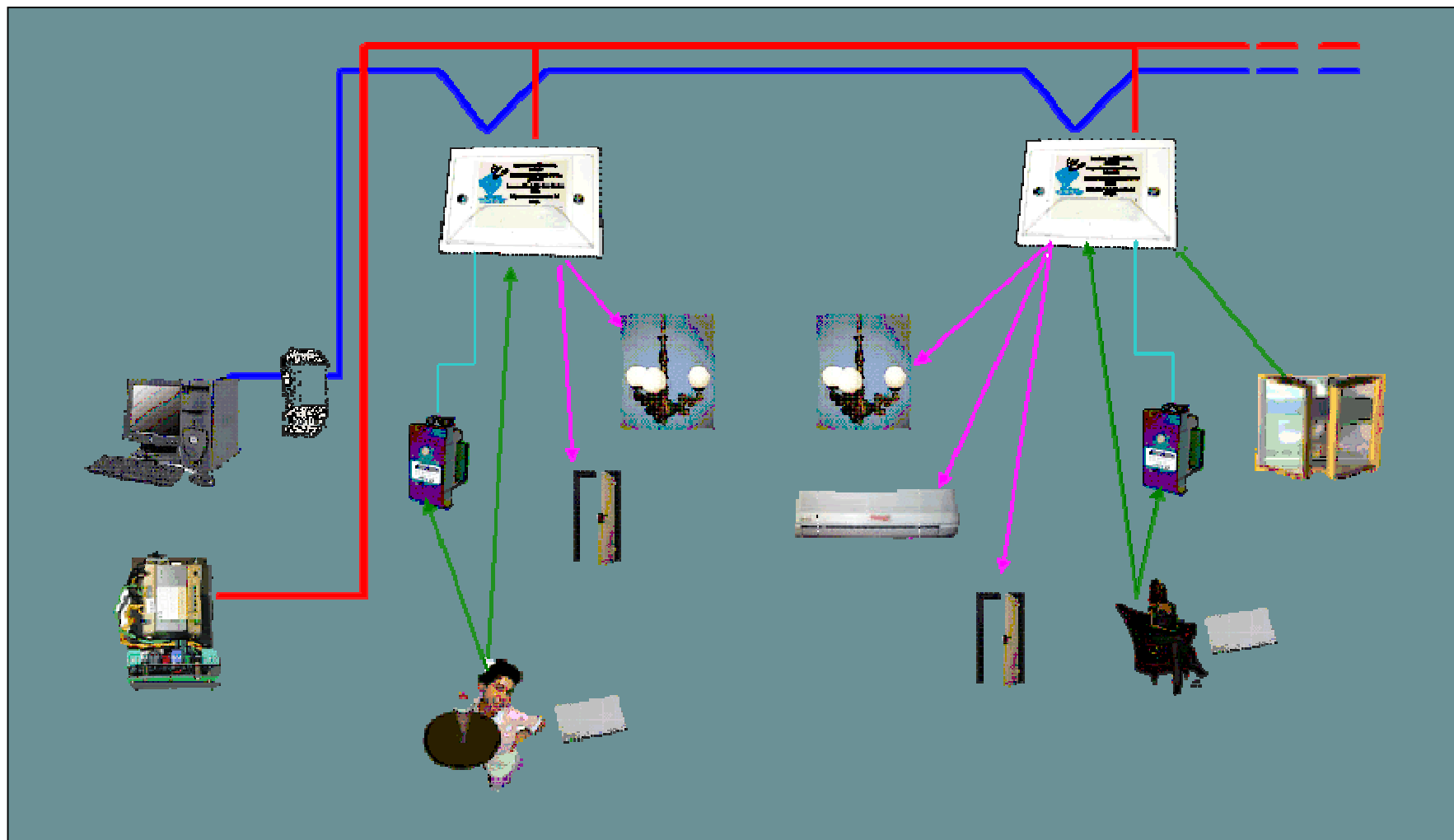
- **TeleProx: system of access control with proximity readers capable of recognizing and enabling access to controlled sites and manage functions targeted on energy savings.**
- **TeleProx : designed for applications in the residential and hotel field, as well as industrial or office applications, ensures recognition, control, access through one or more entrances, and can send information to a remote supervisor**
- **TeleProx: can function in connected mode, in a network, with a remote supervisor with which it can dialogue and by which it can be reconfigured, in stand-alone mode, completely autonomous and free of links to other devices, as it can also be reconfigured locally at any time.**



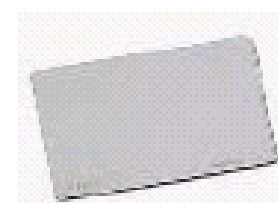
TELEBuilding System

Technology

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TeleProx-READER: transponder for card and proximity readings, equipped with single or double reading unit, capable of controlling analogue and digital signals and issuing local commands.



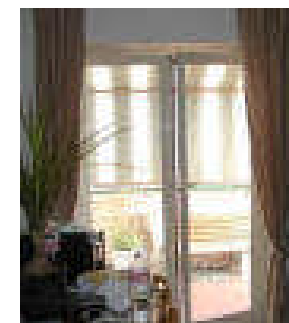
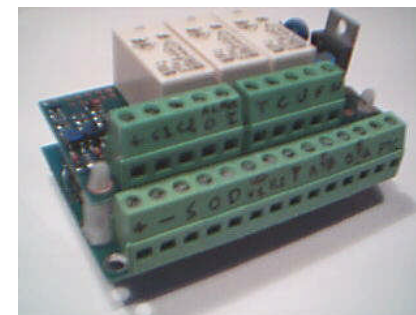
- **TeleProx-READER = external and internal reader with card holder pocket**
- **TeleProx-R-485 = external and internal reader with card holder pocket and RS422 module**
- **TeleProx-R-EL = external and internal reader with card holder pocket with electrolight device incorporated as courtesy light**
- **TeleProx-R-EL-485 = external and internal reader complete with electrolight device and RS422 serial communication module**
- **TeleProx R-COM = reader for common accesses without card holder pocket**
- **TeleProx R-COM-485 = reader for common accesses, without card holder pocket and with RS422 serial communication module**

• **TeleProx READER is equipped, in the basic version, with:**

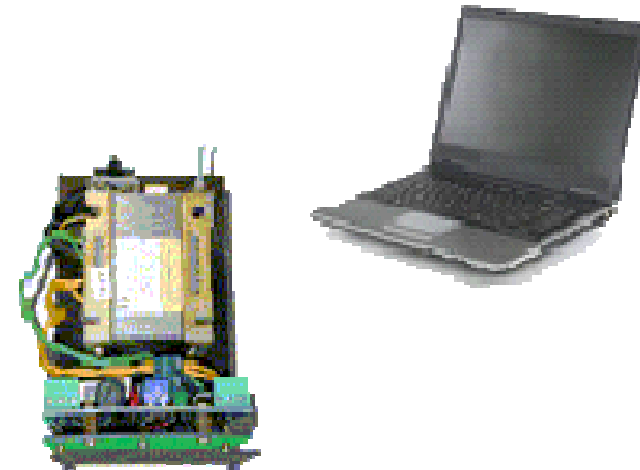
- External reader antenna: positioning in box 503
- Multicolored operating status indicator led
- Internal reader with card holder pocket,
- Built-in on box 503,

➤ **TeleProx-READER can perform the following functions**

- **a. management of accesses via:**
 - “DO NOT DISTURB” switch
 - Control of door and window status,
 - Minimum temperature probe readings
 - Proximity reading of card on external and internal unit
- **b. management of outputs via:**
 - Impulse output for control of electric lock,
 - Burglar alarm output
 - Courtesy light output,
 - Electric load enabling output,
 - Fan-coil and fan-coil minimum output control,
 - Outputs for detection of client/chambermaid.



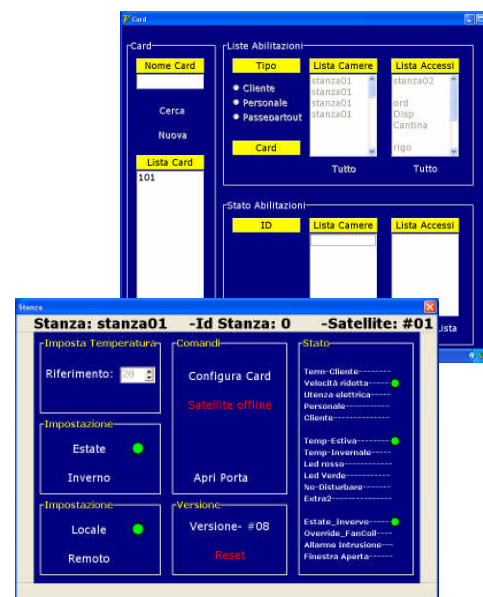
- **Master management unit (personal computer) equipped with application software, capable of receiving signals and programming device functions**
- **Device power unit**
- **Accessory devices:**
 - **Temperature probes,**
 - **Regulation potentiometers**



The PROX reading transponders are programmed by a remote supervision computer, connected to the modules via RS422 serial lines, either by direct local connection or configured by specific programming cards

Main functions

- Programming of master cards, function cards, passpartout and individual cards of relative reader units enabled
- Programming of card validity duration
- Programming of associated settings and timers (duration of lock impulse, courtesy light, temperature threshold)
- Display of signals received by the access control units and cards read
- Registration on file of log of events and accesses recorded with date and time



- Provides “active” protection of the structure
- Does away with the need to install doors with RE 15 features (RE 30 for new buildings) on the rooms
- Costs less on the average than RE 15 doors

Types of fire detection systems

1) Traditional chain system

This is the classic system with sensors and optical/acoustic alarms linked directly to the main control unit, each with its own line: expensive to install

2) Serial bus system

The sensors installed are addressed on a single line (in-out connection) which requires less wiring but is not very flexible in case of subsequent changes

3) Parallel bus system

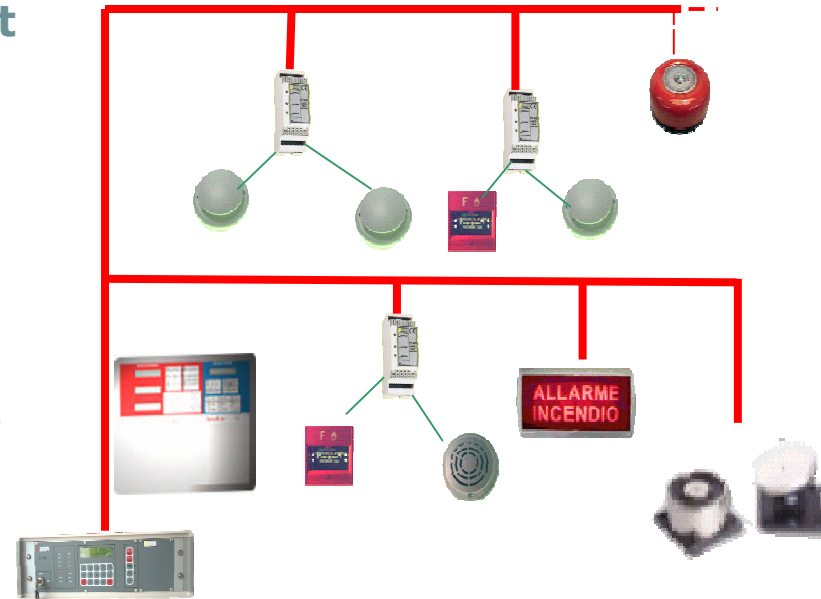
The addressed sensors and/or address units are connected on a single line with parallel connection (close loop line or other) which requires less wiring and is highly flexible

8HS systems on bus line

Addressed digital system to transmit information relative to alarm status or operating thresholds.

Transmission is two-way (call/answer) with permanent interrogation.

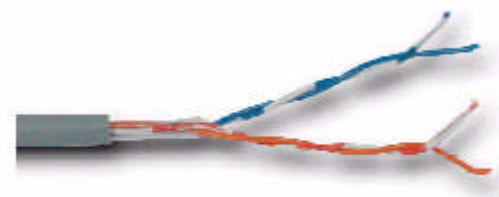
Requires one line and ensures maximum compatibility with remote devices to create systems of High Security with fire detection, burglar alarm and control of power loads.



The system is an “open” type, with guaranteed compatibility and management of sensors of different brands and types.

Maximum transmission speed (about 1.5 sec. for a line with 252 sensors)

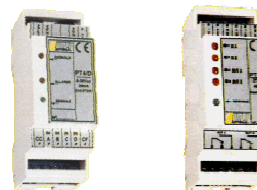
- The PROX access control modules require a 24V DC power supply
- The communication line is an RS422 serial line consisting of two pairs of twisted wires
- Each line can control up to a max of 45 satellite units on the same (doubling)
- Using a line transceiver as many as 253 units can be connected to the same network
- Each network uses a serial gate on the server



Microprocessor control units to display and manage signals and alarms: TELESirius control unit



Peripheral data acquisition units for sensor connection and signals with input and output control units: PT4 and PT2 logic



Smoke detectors, temperature sensors, manual keys, gas detectors and smoke barrier



Optical/acoustic alarm, electromagnetic stops for fire doors





TELEBuilding System

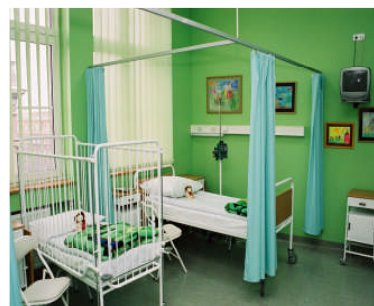
Applications

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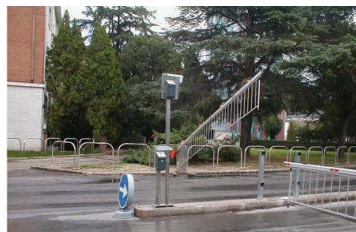
Fields of application



- Hotels
- Apartment buildings
- Tourist Villages



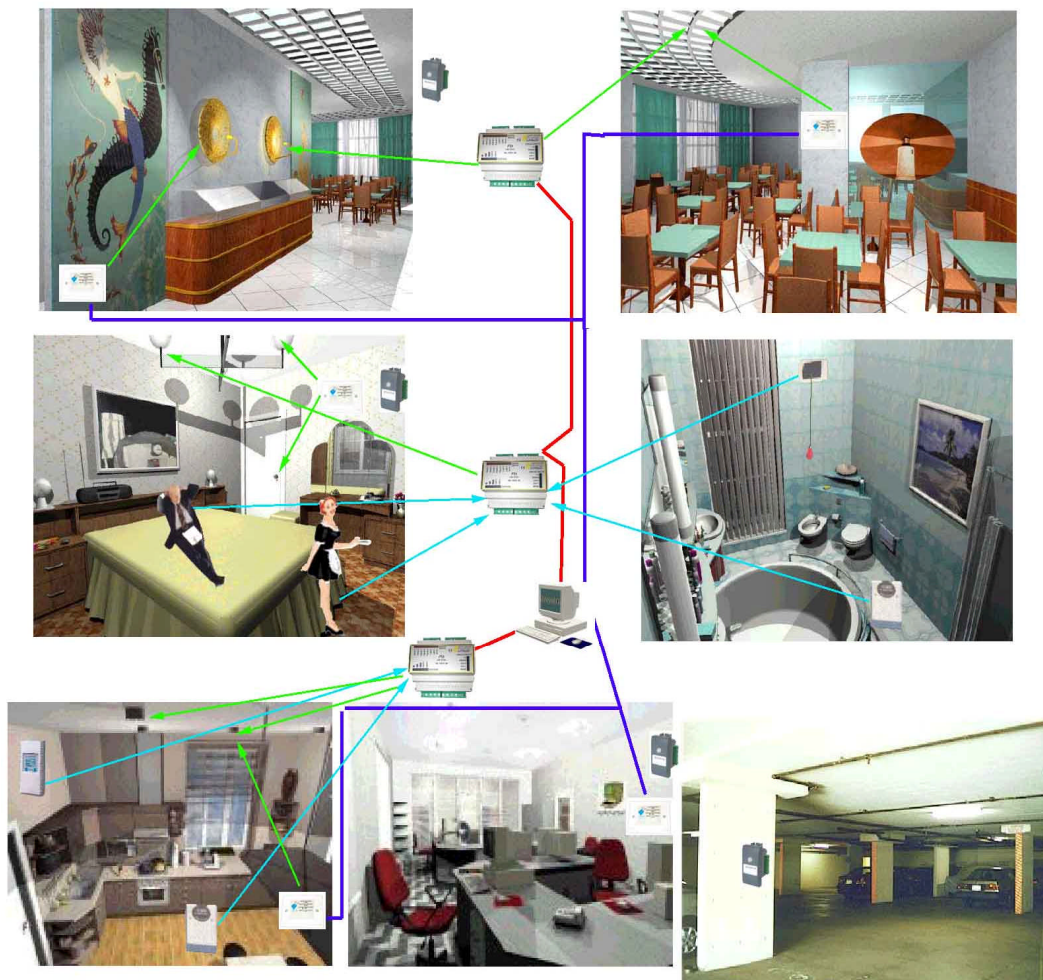
- Hospitals
- Spa centers
- Pools



- Offices
- Garages

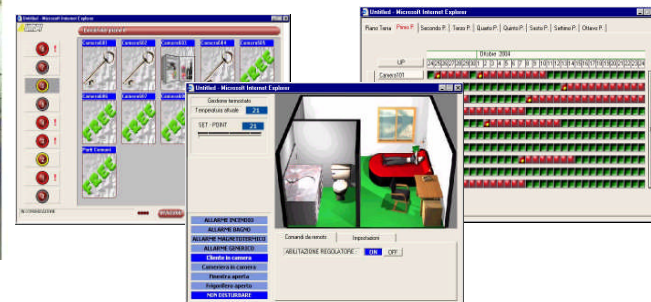


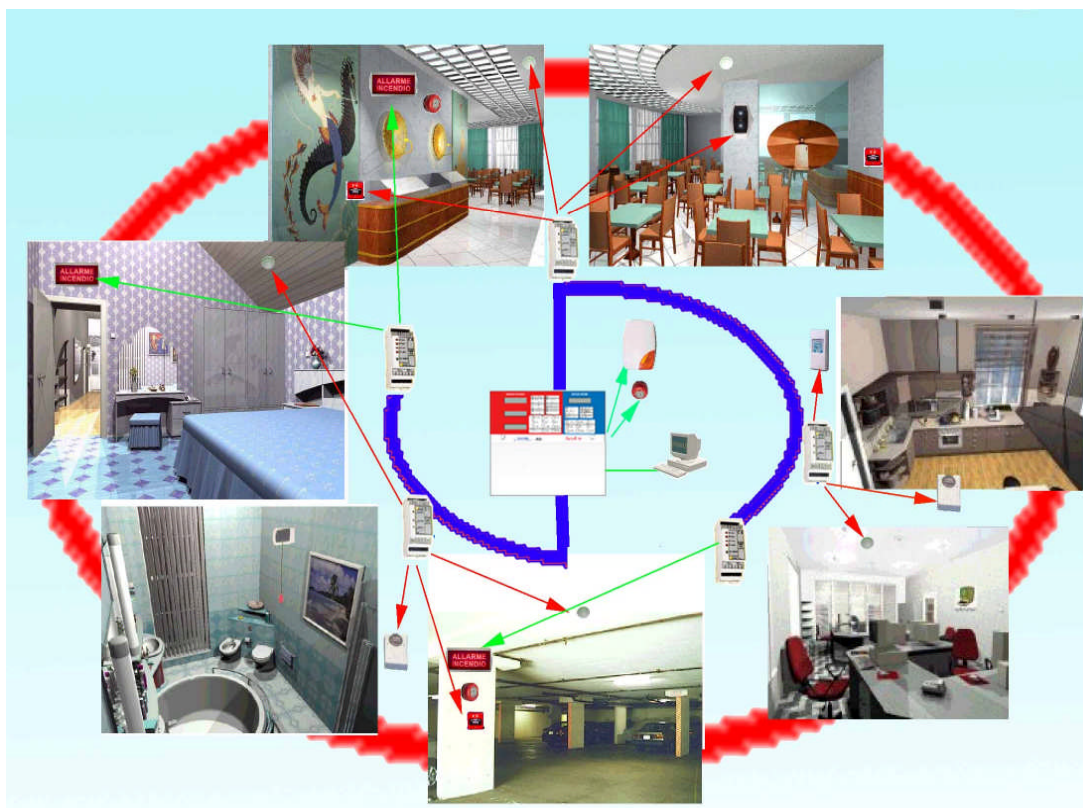
- Industrial plants
- Office buildings



- Control and management of power loads for energy savings
- Management of client and personnel detection
- Control of client and chambermaid access with proximity reading
- Control of common accesses
- Technical and safety signals

With devices on RS485 serial line or Conveyed Wave line



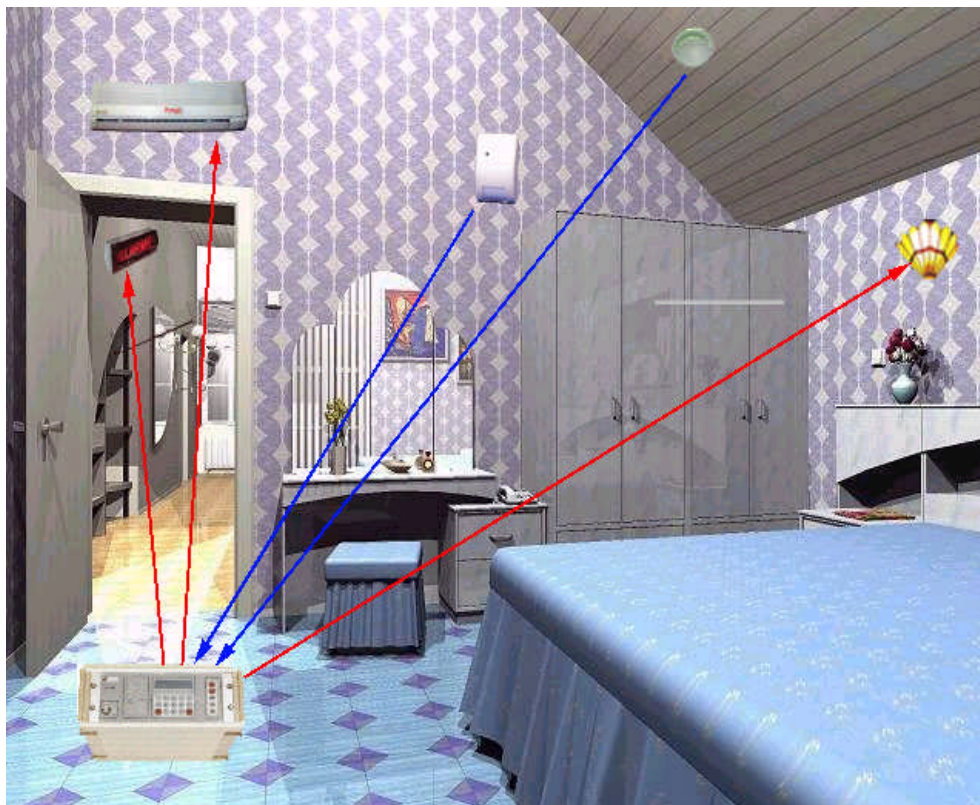


Detection and signaling of fire and gas leaks:

Optical smoke detectors

- Thermal detectors
- Smoke and/or heat barriers
- Keys accessible by breaking glass
- Liquid detectors
- Natural-LPG gas detectors
- Bells
- Electromagnetic stops
- Optical-acoustic boxes
- Sirens
- Alarm transmission

With devices on RS485 serial line or Conveyed Wave line



- **Fire and burglar alarm in:**
 - hotels,
 - offices
 - industrial plants

**With devices on RS485
serial line or Conveyed
Wave line**



- **Technical alarm signals**
- **Rescue calls in:**
 - hotels,
 - offices,
 - rest homes
 - hospitals

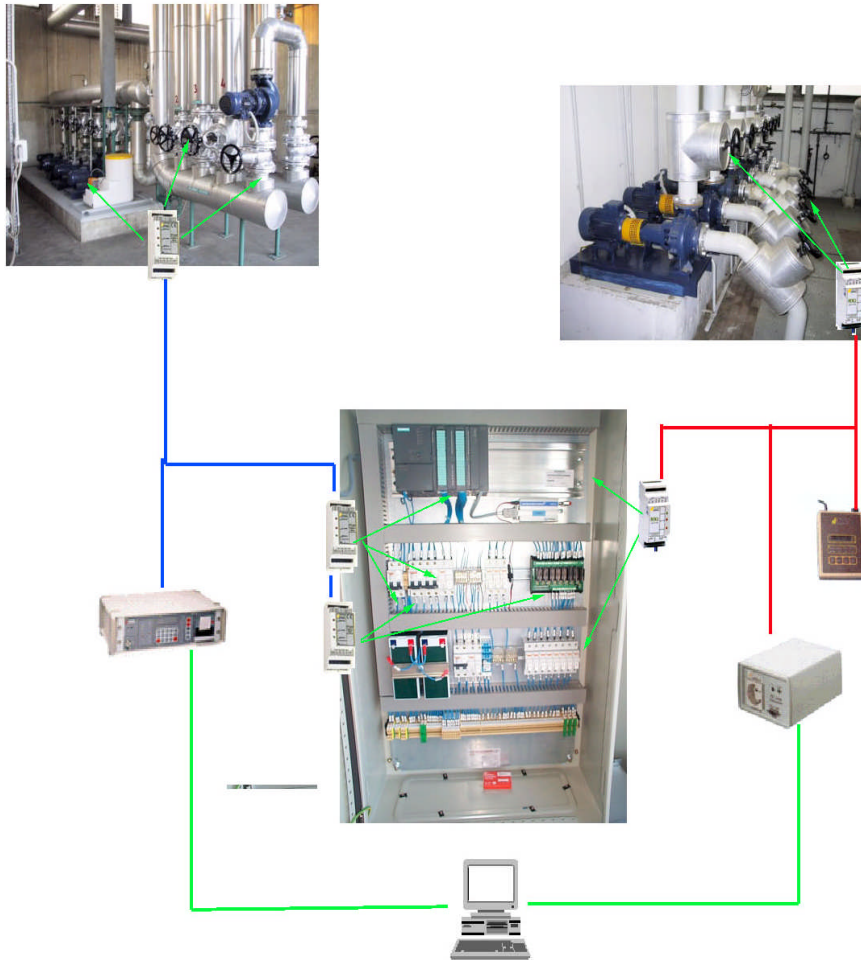
**With devices on RS485
serial line or Conveyed
Wave line**

SIGNALING AND CONTROL IN CAMPGROUNDS AND BOAT HARBORS



- Control and management of power loads
- Control of column breakdowns and enabling of users
- Control of accesses
- Alarm signals
- Light control

With devices on RS485 serial line or Conveyed Wave line



- Control and management of power loads
- Control of technological equipment
- Breakdown signals

**With devices on RS485
serial line or Conveyed
Wave line**



TELEBuilding System

Examples of applications

***over 5,000 systems installed
in Italy and abroad***

Types of installations:

- Fire detection
- Control and management of power loads
- Control of technological devices
- Hotel power management
- Emergency signals
- Access control and burglar alarm



Hotel Belvedere



Hotel Cormorano



Hotel Radar

A few references:

- Hotel Cosmopolita – Rome
- Hotel Cilicia – Rome
- Hotel Imperatore Adriano - Rome
- Hotel Petit (Turin)
- Hotel Terme Castaldi – Ischia (NA)
- Hotel Majestic Palace- Sorrento (NA)
- Hotel Punta Molino – Ischia (NA)
- Hotel Cormorano – Baia Sardinia (SS)
- Hotel Punta Est – Baia Sardinia (SS)
- Hotel Mediterraneo – Cattolica (RN)
- Hotel 3 Stelle – Gabicce (PU)
- Hotel Belvedere – Milano M. (RA)
- Hotel Rio – Milano M. (RA)



Hotel Punta Est



Hotel Majestic Palace

Types of installations:

- Fire detection
- Burglar alarms
- Emergency signals
- Access control
- Control of technological devices

A few references:

GROSRimini - Rimini
 "Le Cicale" mall - Jonadi (VV)
 Marco Polo Expert - Misano Adriatico (RN)
 Mercatone Z - Tortona (AL)

IVECO-SOFIM - Foggia
 INFIA - Bertinoro (FC)
 Pollo del campo - Faenza (RA)
 Concessionari Gabellini - Pesaro
 Tipografie C.Colombo - Rome



GROS Rimini



Centro Commerciale "Le Cicale"



Concessionaria Gabellini



INFIA



IVECO-SOFIM

Types of installations:

- Fire detection
- Burglar alarms
- Emergency signals
- Control and management of power loads
- Control of technological devices
- Light control

A few references:

Clinica NovaSalus – Cannittello (RC)

Casa di riposo Tenente Marchi – Vignola (MO)

Casa di Riposo Maria Serra – Loc Fraboso Soprano (CN)

Casa di Riposo Villa Andrea – Lurisia (CN)

Casa della speranza - ONLUS – Cutro (KR)

Congregazione Piccole Ancelle Sacro Cuore - Pesaro

“Casa sollievo dalla sofferenza” Hospital – S.Giovanni Rotondo (FG)

Luce sul mare –Vighi and Sirotti bldgs – Bellaria (RN)



“Don Ghinelli” Institute



“Tenente Marchi” Rest Home



Casa Sollievo Hospital



Luce sul mare – Sirotti Bldg.



Casa della speranza

SCHOOLS – MUSEUMS – THEATERS AND HISTORIC SITES

Types of installations:

- Fire detection
- Burglar alarms
- Emergency signals
- Control and management of power loads
- Control of technological devices
- Light control

A few references:

Senate Building - Rome
Palazzo Giustiniani – Rome
Palazzo S.Macuto – Rome
Palazzo del Governo – RSM

Rocca di Castrocaro Museum (FC)
“Ebe Stignani” Theater - Imola (BO)
Torre civica –Palazzolo s.Oglio – (BS)

Caimi Lyceum – Varallo
Trisi Lyceum – Imola (BO)
ITIS – Santhià
Univ. Reggio Calabria – Agric.Dept. (RC)
C.N.R. Palermo



Senato Repubblica



Palazzo Giustiniani



Palazzo
Governo -RSM



Teatro Imola



Torre civica



Rocca di Castrocaro



Liceo Caimi



Liceo Trisi

Types of installations:

- control of power columns
- control of power supply
- control of accesses
- technical signals

References:

Installations for Gigieffe – Lugo (RA)

Happy camping – Belalria (RN)
 Camping Thaiti – Lido delle Nazioni (FE)
 Camping Pineta – Milamo M. (RN)
 AGROROMA – Rome
 Ravenna Yacht Club – Ravenna



Thaiti
Campground



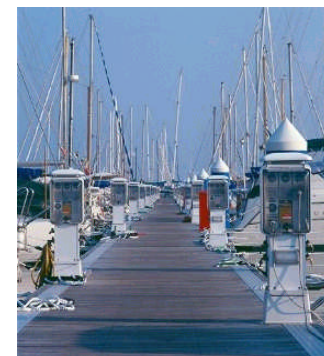
Pineta
Campground



Power
columns



Agroroma



Ravenna Yacht
club



Types of installations:

- fire detection
- burglar alarm
- control of technical devices
- control and operation of semaphor systems along landing strips
- control of launch lights
- ILS II cat alert control



A.M. Cervia - plaza



A.M. Rimini - radar

References:

- Cervia Military Airport (RA)
- Rimini Airport Detachment
- Villafranca Military Airport (VR)
- Istrana Military Airport (TV)
- Sanguinetto military deposit (VR)



A.M. Istrana - plaza



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