Monitoring System

Temperature Controller

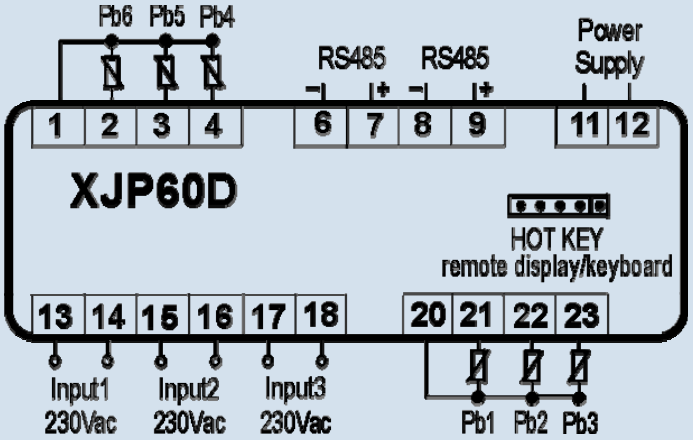
PRIME: NEW MAIN FEATURES

- TTL serial connection for monitoring systems
- Connection for X- REP
- Digital input configurable as probe (option)
- Condenser alarm via third probe
- Continuous cycle with dedicated set (fast cooling applications)
- Stop cooling via second probe (beer dispenser applications)
- Fan thermostat during defrost
- 2◦ stop defrost probe or dual evaporator management
- Virtual probe for air in/out application (percentage control)
- Double thermostat function (two set points and two probes) heating and cooling or 2 cooling or 2 heating or neutral zone
- Energy saving
- Dynamic set point – supermarket app

Temperature Modules

XJP60D

- 6*NTC or PTC (4-20mA - 0-10V) probe inputs
- 3 digital input
- X-REP / HOT KEY connection
- 230V power supply; build-in RS485



XWEB500

New controlling and monitoring unit

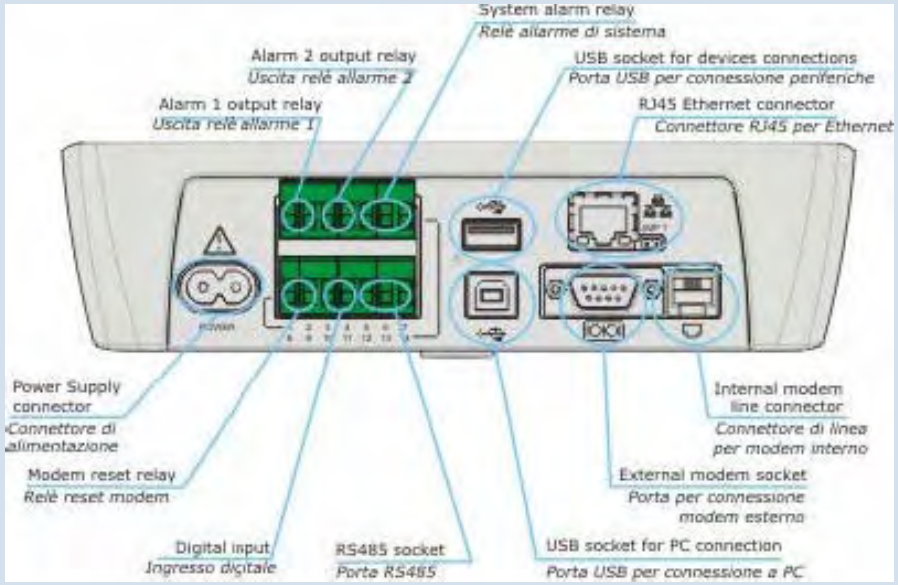
- A brand new monitoring and controlling unit
- Extended memory up to128MB
- Internet / Intranet connectivity
- Advanced functions :
  Scheduler, Layout and Run Time

Features

- **Clearly readable dark-blue display (4x20), 8 keys keyboard and 8 signaling LEDs.**
- **Possible to view the current alarm list.**
- **Possible to load a controller and manage it.**
- **Can be sat on a desk top or mounted vertically, either surface mounted or recessed into an electrical panel.**

Features

- 110, 230Vac power supply
- Dimensions: 230x210x87mm
- Peak power consumption: 20W
- 200MHz CPU
- RAM memory: 32MB
- Flash memory capacity: 128MB
- Connect up to 100 controllers
- 3 output relays
- ModBUS-RTU compatible
- On-board modem (optional)
- Ethernet RJ45 port for LAN & internet connection
- USB cable connection to PC
- USB support for external devices
- COM port for external modem
- GSM Modem support



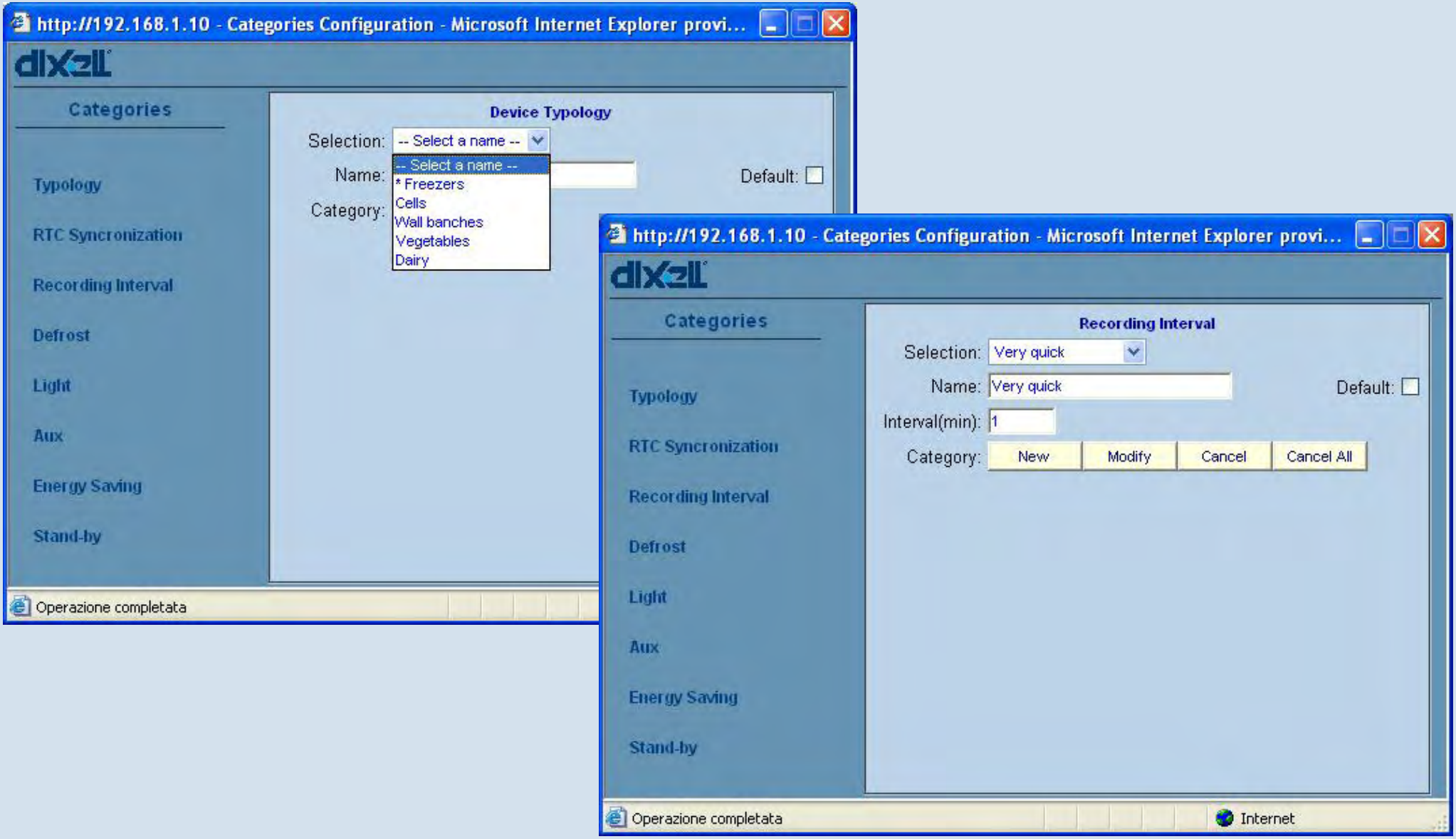
Remote connection

Intranet/Internet Connection

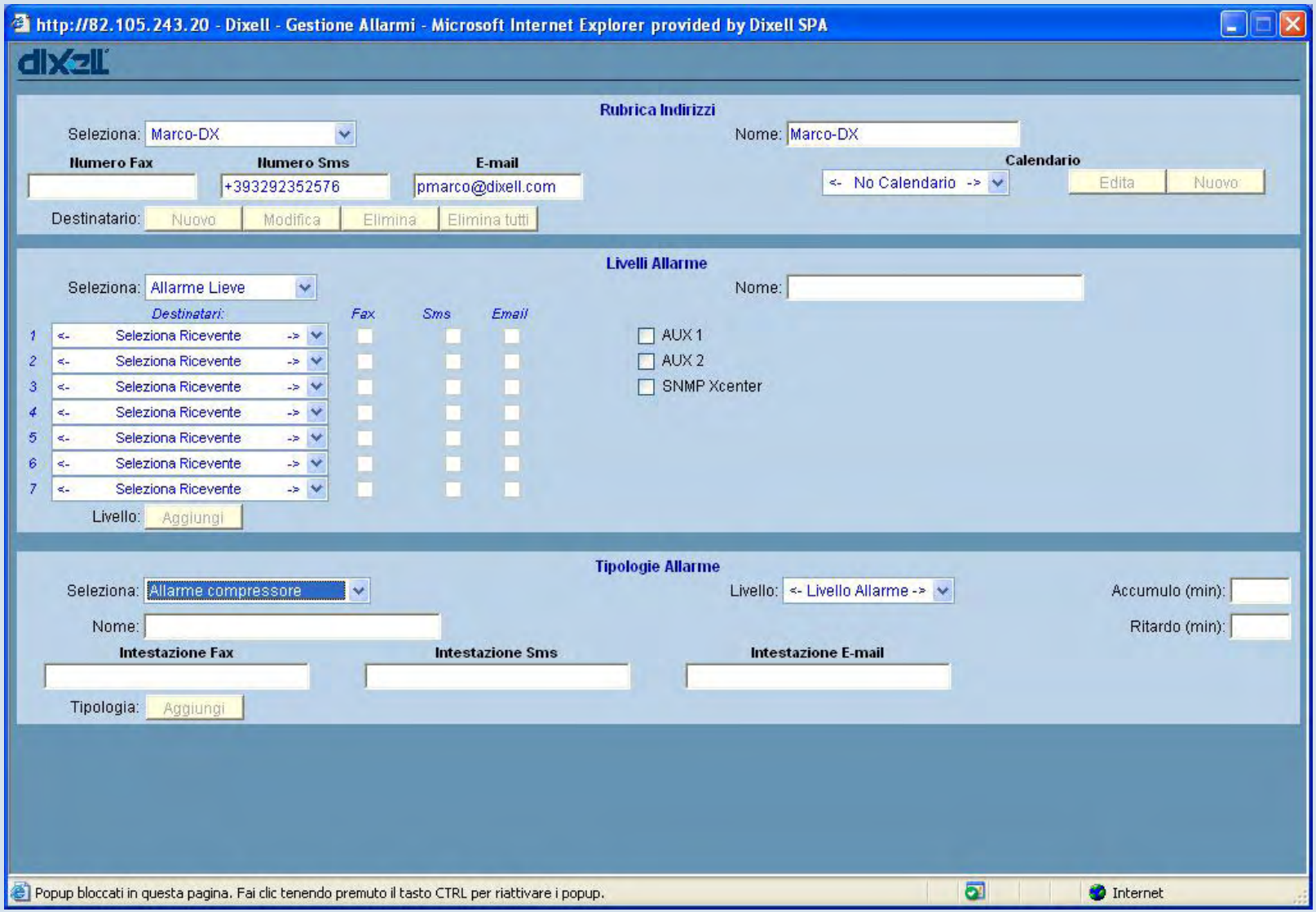
...Web Server

Home Page
Configuration
Devices
Data
Alarms
Printing
Tools
Information
System Access
User Name
gabriele
Change Status
Unlocked
Permissions
Administrator
Logout
Identification/Time
Name:
XWEB3000
Time:
12:53:48
Description:
Sala PROVE (language translation)
Synchro.
Server Property
Server: Linux V2.4.28
Resources: Ram=96% Hd=0%
IP Adr.: 192.168.1.10
CPU Temp.: 41.5 C / 107 F
Readout: Not Active
Recording: Not Active
Alarm Transmission: Not Active
Average Cycle Time: ----
Remote Connection: Active
Last Connection: 02/04/2007 12:51 gabriele
Alarms
Monitoring activity is stopped..
Alarms status not available...

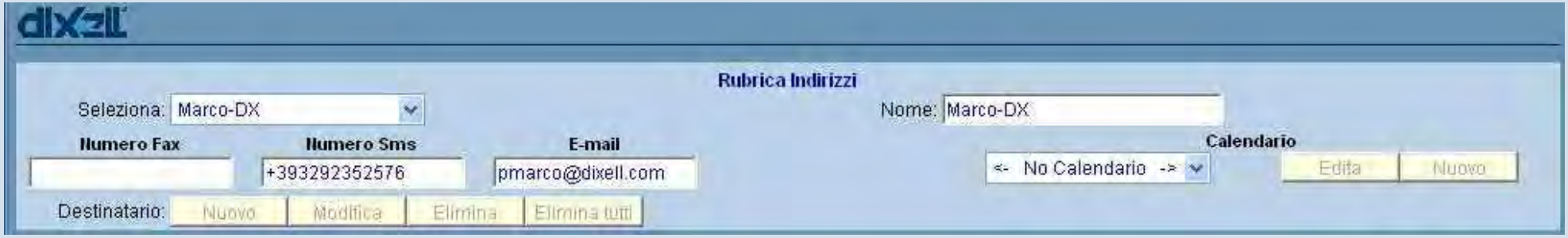
...Categories


http://192.168.1.10 - Categories Configuration - Microsoft Internet Explorer provi...
dixell
Categories
Typology
RTC Syncronization
Recording Interval
Defrost
Light
Aux
Energy Saving
Stand-by
Device Typology
Selection: -- Select a name --
Name:
Default:
Category:
-- Select a name --
* Freezers
Cells
Wall banches
Vegetables
Dairy
Operazione completata
http://192.168.1.10 - Categories Configuration - Microsoft Internet Explorer provi...
dixell
Categories
Typology
RTC Syncronization
Recording Interval
Defrost
Light
Aux
Energy Saving
Stand-by
Recording Interval
Selection: Very quick
Name: Very quick
Default:
Interval(min): 1
Category:
New
Modify
Cancel
Cancel All
Operazione completata
Internet

...Alarms

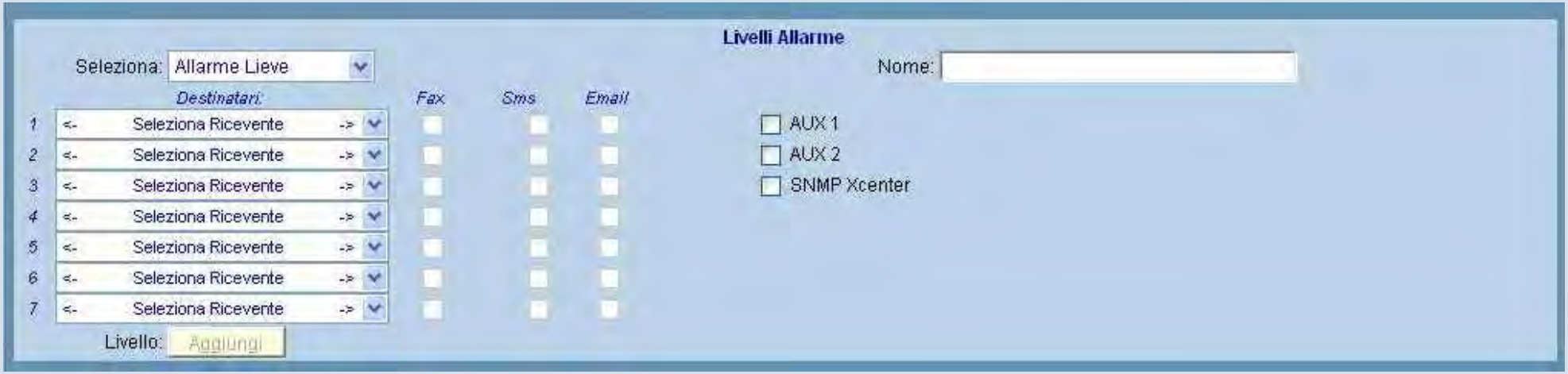

http://82.105.243.20 - Dixell - Gestione Allarmi - Microsoft Internet Explorer provided by Dixell SPA
Rubrica Indirizzi
Seleziona: Marco-DX
Nome: Marco-DX
Numero Fax
Numero Sms
+393292352576
E-mail
pmarco@dixell.com
Calendario
<- No Calendario ->
Edita
Nuovo
Destinatario:
Nuovo
Modifica
Elimina
Elimina tutti
Livelli Allarme
Seleziona: Allarme Lieve
Nome:
Destinatari:
Fax
Sms
Email
1 <- Seleziona Ricevente ->
2 <- Seleziona Ricevente ->
3 <- Seleziona Ricevente ->
4 <- Seleziona Ricevente ->
5 <- Seleziona Ricevente ->
6 <- Seleziona Ricevente ->
7 <- Seleziona Ricevente ->
AUX 1
AUX 2
SNMP Xcenter
Livello:
Aggiungi
Tipologie Allarme
Seleziona: Allarme compressore
Livello: <- Livello Allarme ->
Accumulo (min):
Nome:
Ritardo (min):
Intestazione Fax
Intestazione Sms
Intestazione E-mail
Tipologia:
Aggiungi
Popup bloccati in questa pagina. Fai clic tenendo premuto il tasto CTRL per riattivare i popup.
Internet

...Alarms



- **Note book**
- **Calendar**
- **FAX, SMS, E- MAIL**

...Alarms



- 7 receivers
- Levels of alarms
- FAX, SMS, E - MAIL, Local relays option

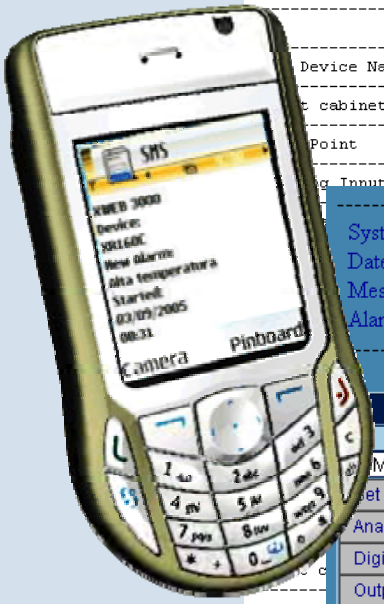
...Alarms

- Type of alarms
- Delay
- Head FAX/SMS descriptions

...Features

Clear and complete alarm reports:

- FAX
- E-MAIL
- SMS
- On-board relays




```
System Name: XWEB500
Date: 17:04 12/05/2006
Message: eMail
Alarm Type: Default Type

                                        Start - Open Door
| Device Name | Model | Alarm Name | Start |
| t cabinet 1C | XM470K_00120003000| Open Door | 17:02 12/05/2006 |
| Point | Set Point: -3.0 °C |
| g Inputs | Room temp.: -1.6 °C  Evaporator: -4.2 °C  Display: 3.9 °C |
```

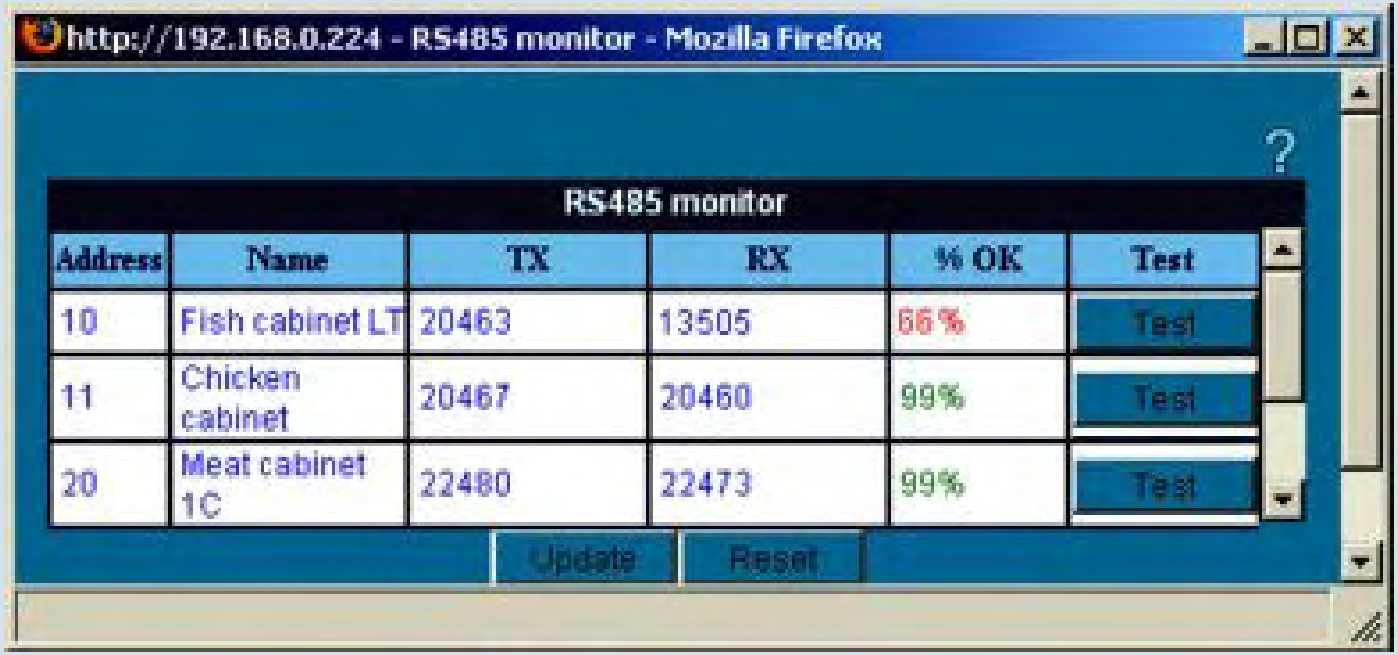
System Name: XWEB500
Date: 17:03 12/05/2006
Message: eMail
Alarm Type: Default Type

Start - Open Door					
Device Name	Model	Alarm Name	Start		
Meat cabinet 1C	XM470K_001200030001	Open Door	17:02 12/05/2006		
et Point :	Set Point: -3.0 °C				
Analog Inputs:	Room temp.: -1.6 °C	Evaporator: -4.2 °C	Display: 3.9 °C		
Digital Inputs:	Auxiliary: Active				
Output Status:	Defrost: not active	Lights: Active	Fan: Active	Cooling: Active	
Device Status:	On / Off: Active	Defrost: not active	Keyboard: not active	Energy Saving: not active	
Commands:	No link: not active	Open Door: Active	low temp.: not active	high temp.: not active	
	Error probe 1: not active	Error probe 2: not active	Error probe 3: not active	Auxiliary: not active	
	EEPROM Error: not active				

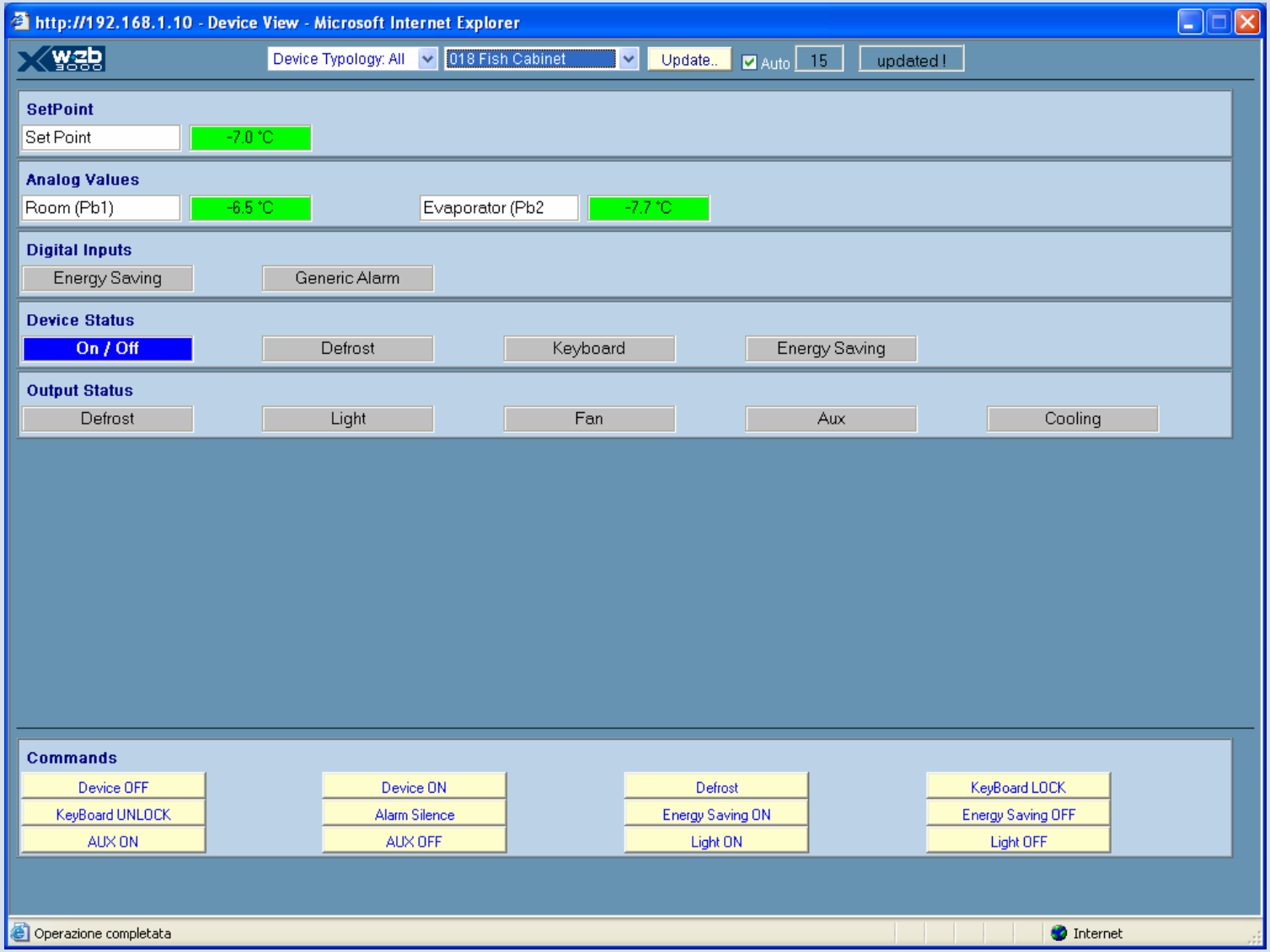
Active alarm			
Device Name	Model	Alarm Name	Start
Meat cabinet 1C	XM470K_001200030001	Open Door	17:02 12/05/2006

...Features

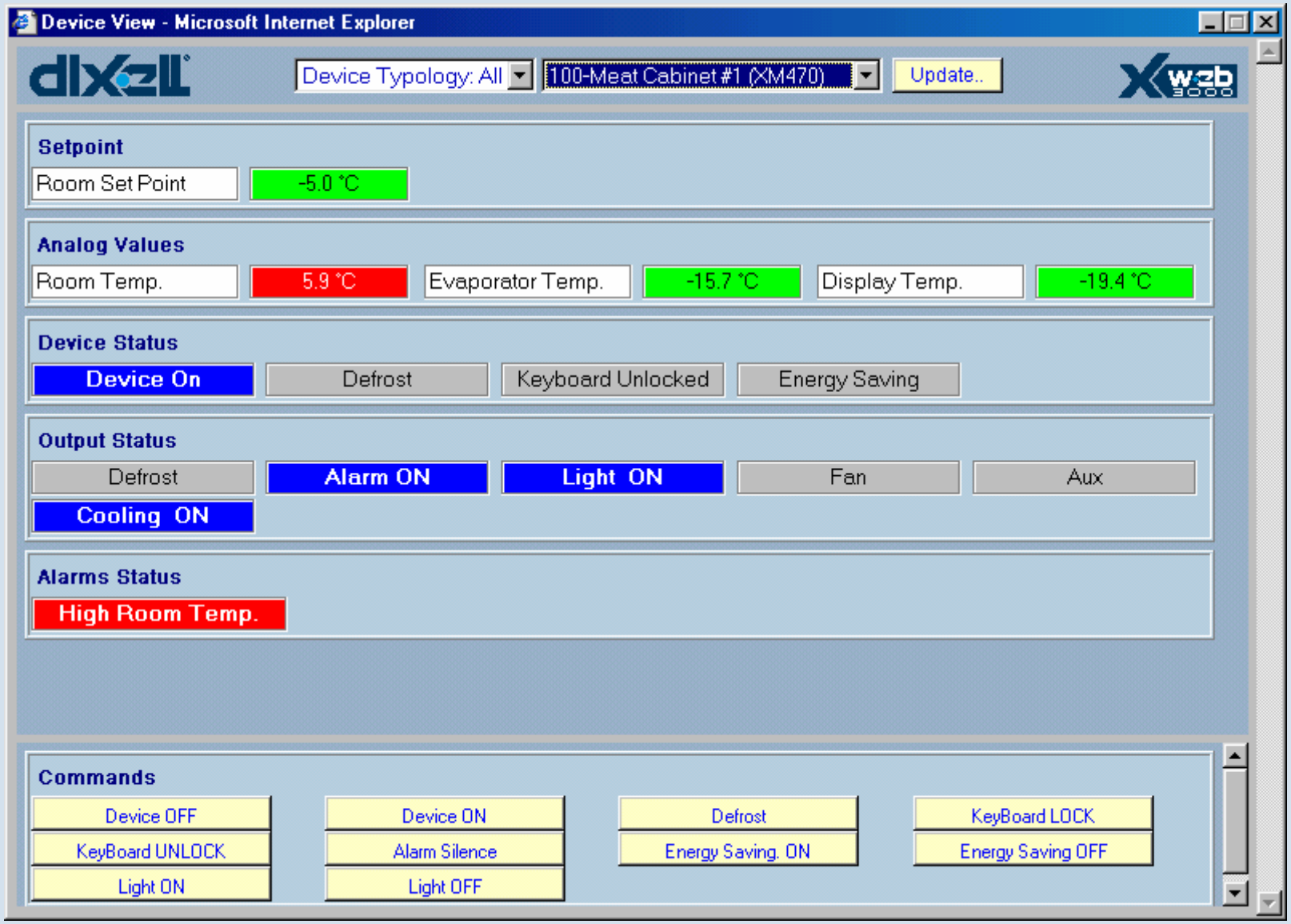
- RS485 network test for each controller
- Quality of the connection
- Analysis of a network problem



...Single View


http://192.168.1.10 - Device View - Microsoft Internet Explorer
Device Typology: All
018 Fish Cabinet
Update..
Auto
15
updated !
SetPoint
Set Point
-7.0 °C
Analog Values
Room (Pb1)
-6.5 °C
Evaporator (Pb2
-7.7 °C
Digital Inputs
Energy Saving
Generic Alarm
Device Status
On / Off
Defrost
Keyboard
Energy Saving
Output Status
Defrost
Light
Fan
Aux
Cooling
Commands
Device OFF
Device ON
Defrost
KeyBoard LOCK
KeyBoard UNLOCK
Alarm Silence
Energy Saving ON
Energy Saving OFF
AUX ON
AUX OFF
Light ON
Light OFF
Operazione completata
Internet

...Single View

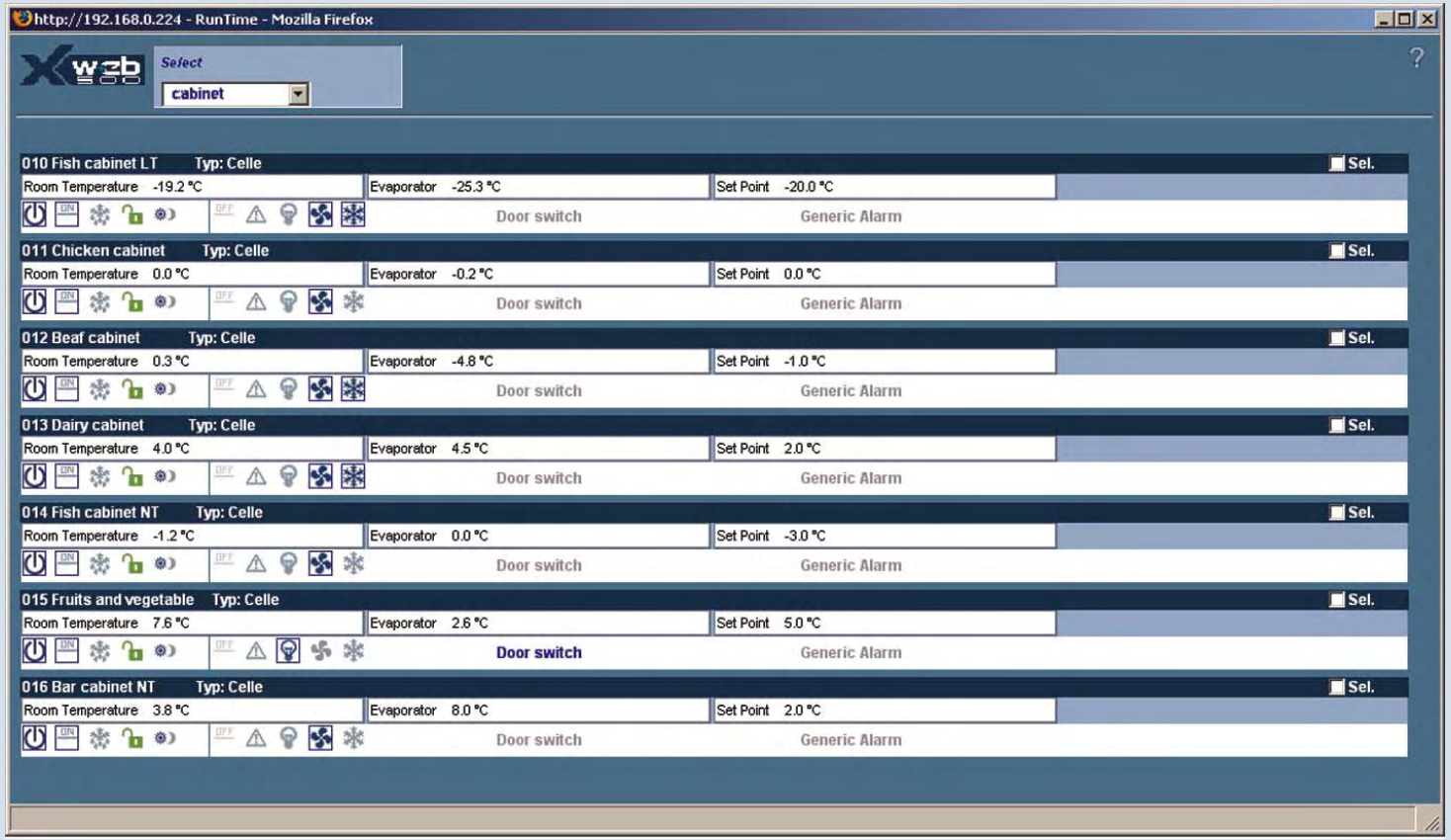

Device View - Microsoft Internet Explorer
dixell
Device Typology: All
100-Meat Cabinet #1 (XM470)
Update..
Setpoint
Room Set Point
-5.0 °C
Analog Values
Room Temp.
5.9 °C
Evaporator Temp.
-15.7 °C
Display Temp.
-19.4 °C
Device Status
Device On
Defrost
Keyboard Unlocked
Energy Saving
Output Status
Defrost
Alarm ON
Light ON
Fan
Aux
Cooling ON
Alarms Status
High Room Temp.
Commands
Device OFF
Device ON
Defrost
KeyBoard LOCK
KeyBoard UNLOCK
Alarm Silence
Energy Saving. ON
Energy Saving OFF
Light ON
Light OFF

...Single View

Device View - Microsoft Internet Explorer
dixell
Device Typology: All
101-Energy Analizer
Update..
Analog Values
Voltage L1 234.6 Volt
Voltage L2 235.6 Volt
Voltage L3 234.7 Volt
Current I1 12.13 Amp
Current I2 0.00 Amp
Current I3 2.66 Amp
Active Power W1 2.05 KWatt
Active Power W2 0.00 KWatt
Active Power W3 0.58 KWatt
Reactive Power Var1 1.982 KVAr
Reactive Power Var2 0.000 KVAr
Reactive Power Var3 0.221 KVAr
Apparent Power VA1 2.86 KVA
Apparent Power VA2 0.00 KVA
Apparent Power VA3 0.63 KVA
PF1 -0.72
PF2 0.00
PF3 0.94
Total Act. Power 2.69 KWatt
Total React. Power 1.756 KVAr
Total Appar. Power 3.21 KVA
Active Power (15m) 2.63 KW (15m)
Reactive Power (15m 3.37 KVAr(15m)
Frequency 50.0 Hz

...Run Time

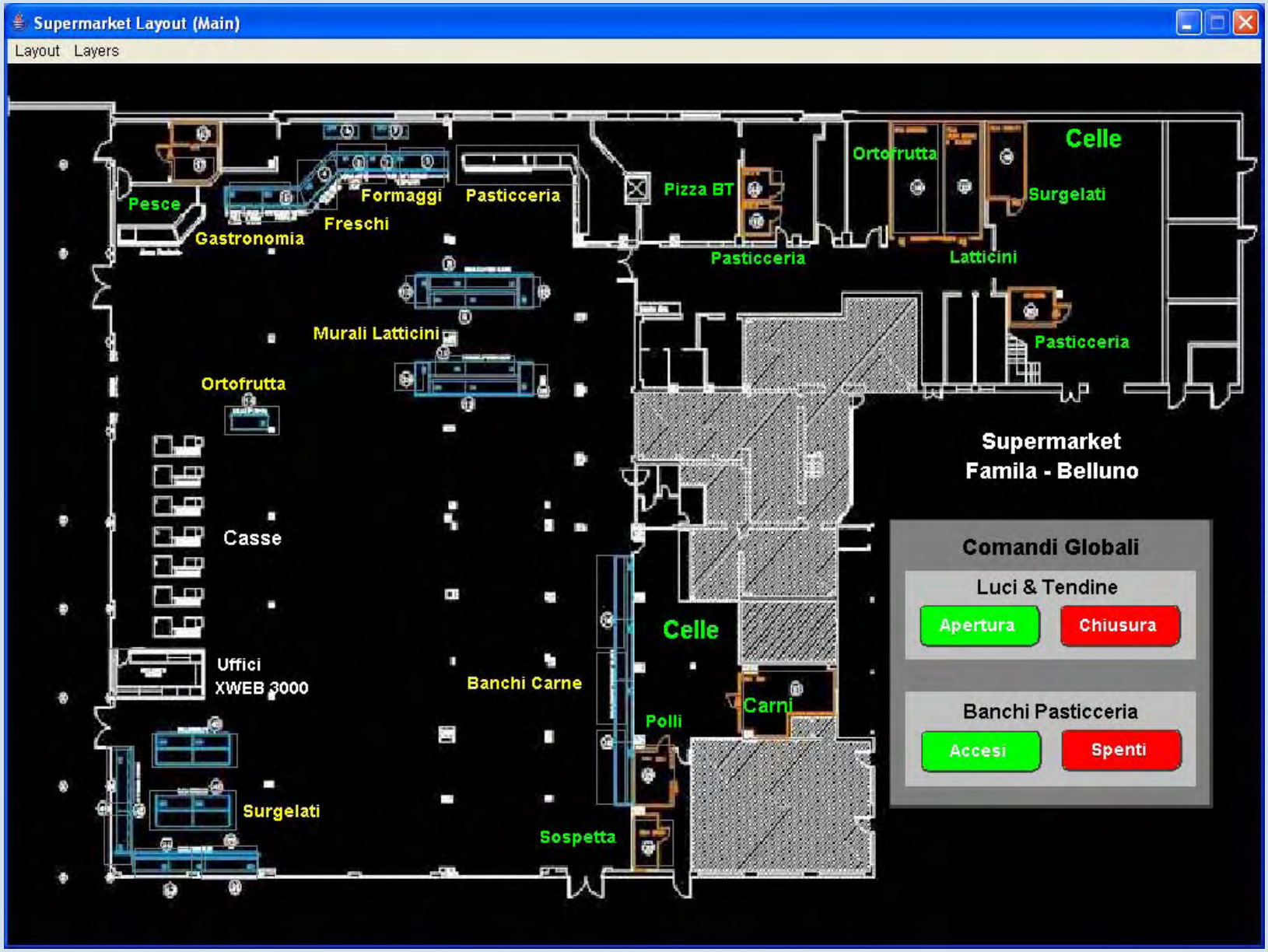
Run Time function allows to display in the same window multiple controllers simultaneously. The page is dynamic and the information are updated in real time.



...Layout

- A powerful graphic Tool that doesn't require the installation of any additional software on your PC
- Global Commands option lets you send Commands to one or more controllers at the same time

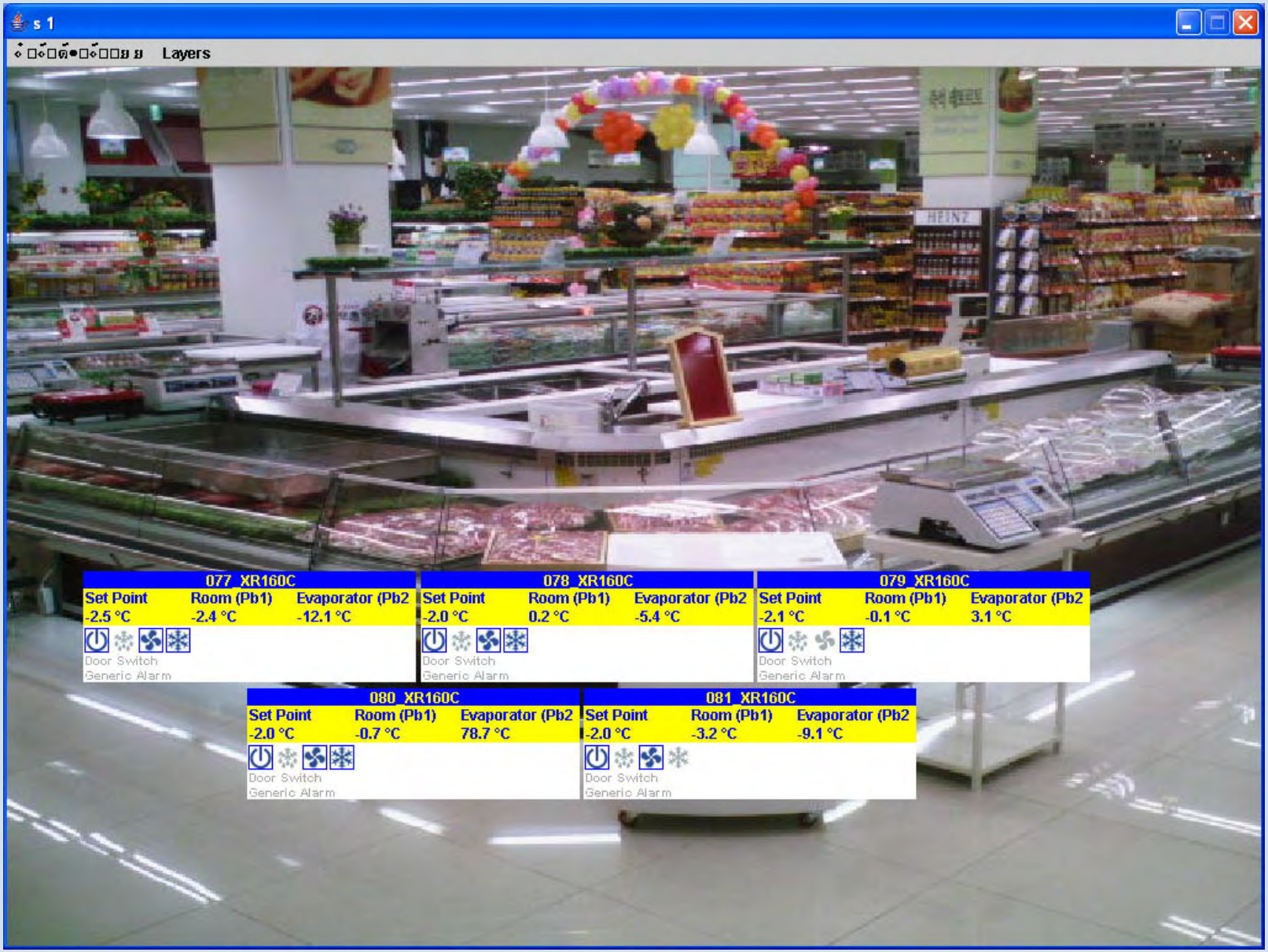
...Layout


Supermarket Layout (Main)
Layout Layers
Pesce
Gastronomia
Freschi
Formaggi
Pasticceria
Pizza BT
Pasticceria
Ortofrutta
Celle
Surgelati
Latticini
Pasticceria
Murali Latticini
Ortofrutta
Supermarket
Famila - Belluno
Casse
Uffici
XWEB 3000
Banchi Carne
Celle
Polli
Carni
Surgelati
Sospetta
Comandi Globali
Luci & Tendine
Apertura
Chiusura
Banchi Pasticceria
Accesi
Spenti

...Layout

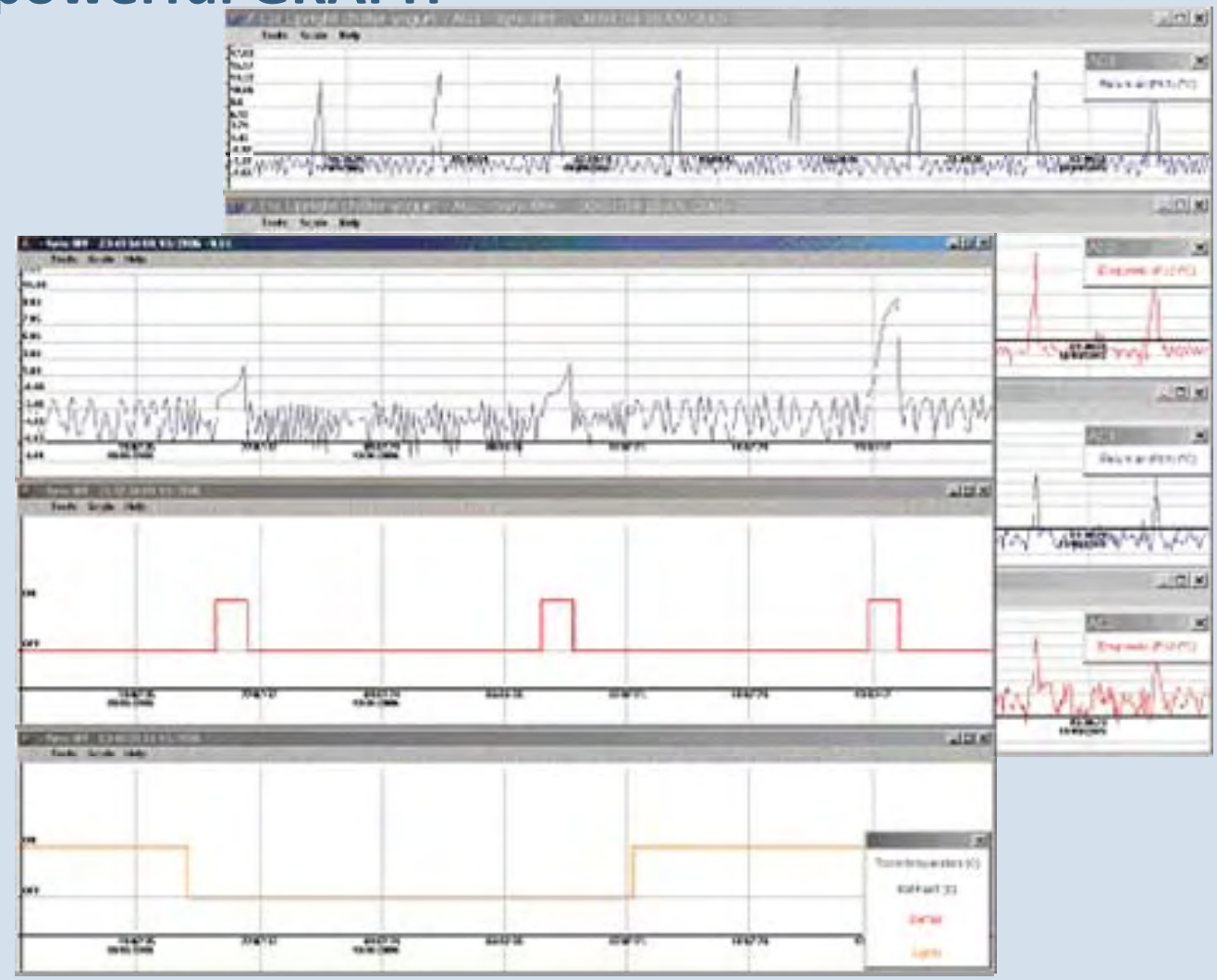
Banco Formaggi 2
Layout Layers
045 Banco Formaggi
Set Point
1.0 °C
Sonda Ambiente
2.4 °C
Sonda Pacco
-9.2 °C
Sonda Ripresa
9,4 °C
Servitevi da soli

...Layout


s 1
Layers
077_XR160C
Set Point
-2.5 °C
Room (Pb1)
-2.4 °C
Evaporator (Pb2
-12.1 °C
Door Switch
Generic Alarm
078_XR160C
Set Point
-2.0 °C
Room (Pb1)
0.2 °C
Evaporator (Pb2
-5.4 °C
Door Switch
Generic Alarm
079_XR160C
Set Point
-2.1 °C
Room (Pb1)
-0.1 °C
Evaporator (Pb2
3.1 °C
Door Switch
Generic Alarm
080_XR160C
Set Point
-2.0 °C
Room (Pb1)
-0.7 °C
Evaporator (Pb2
78.7 °C
Door Switch
Generic Alarm
081_XR160C
Set Point
-2.0 °C
Room (Pb1)
-3.2 °C
Evaporator (Pb2
-9.1 °C
Door Switch
Generic Alarm

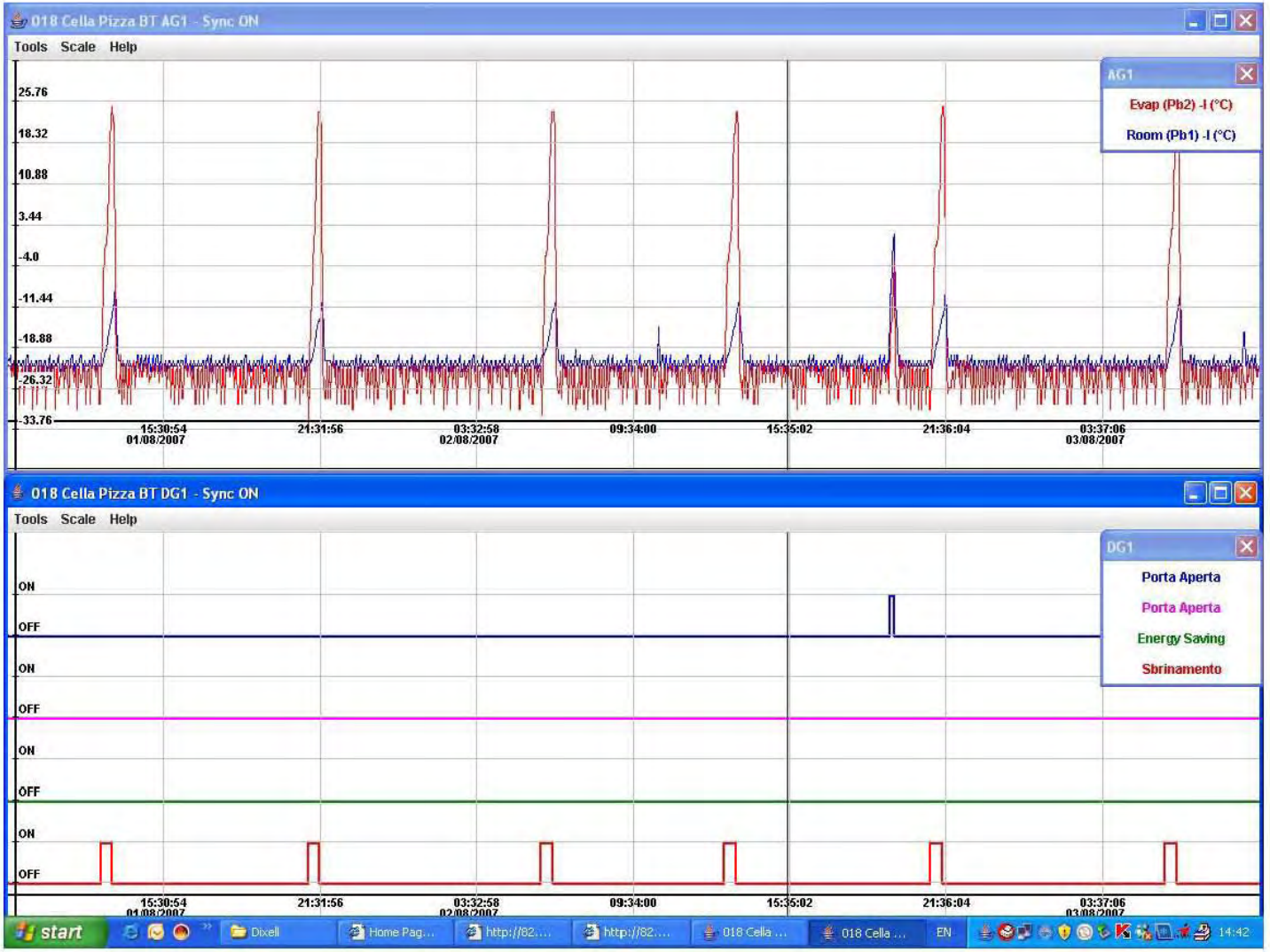
...Graph

Historical data management thank to the powerful GRAPH feature

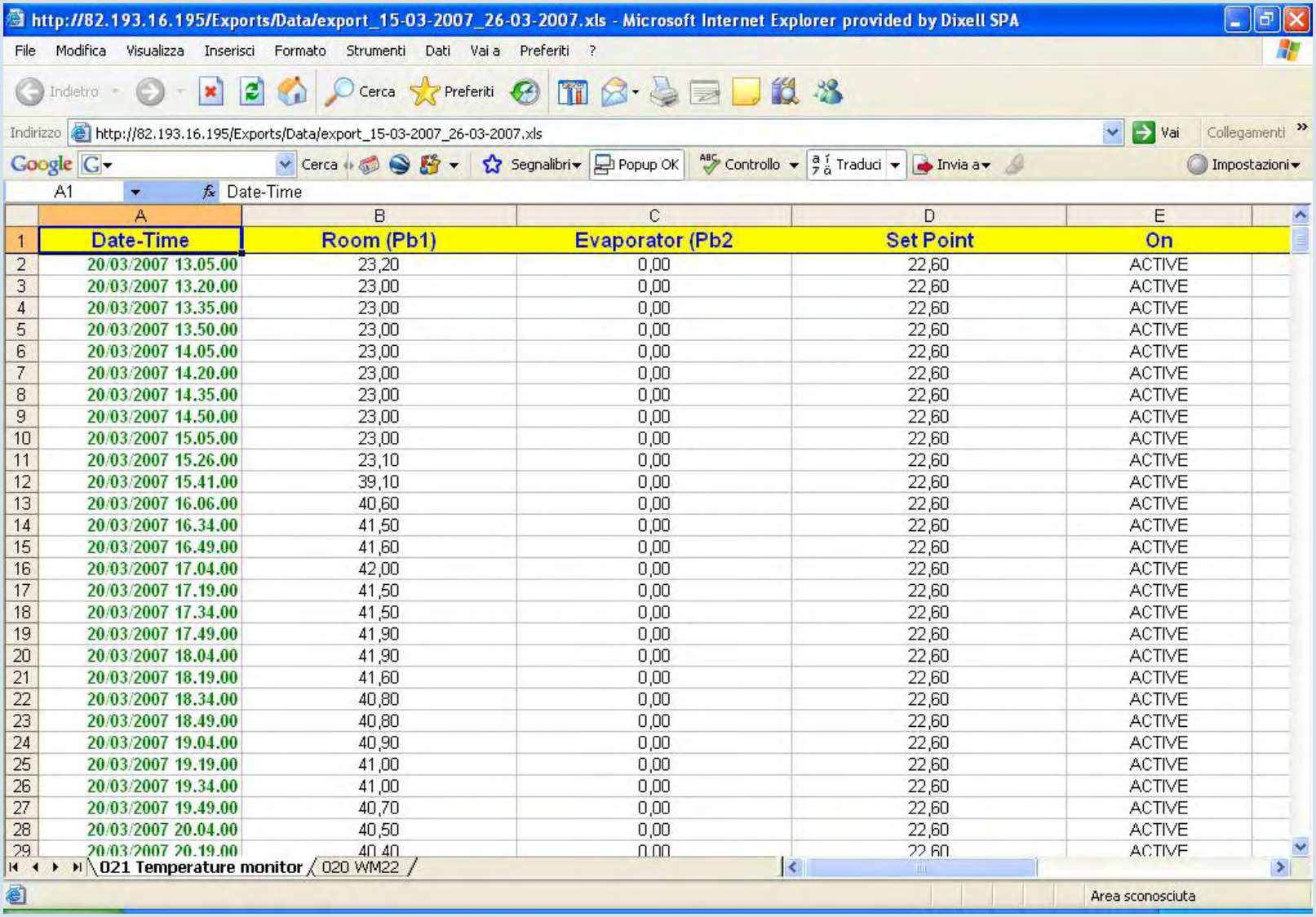


XWEB Monitoring System

...Graph



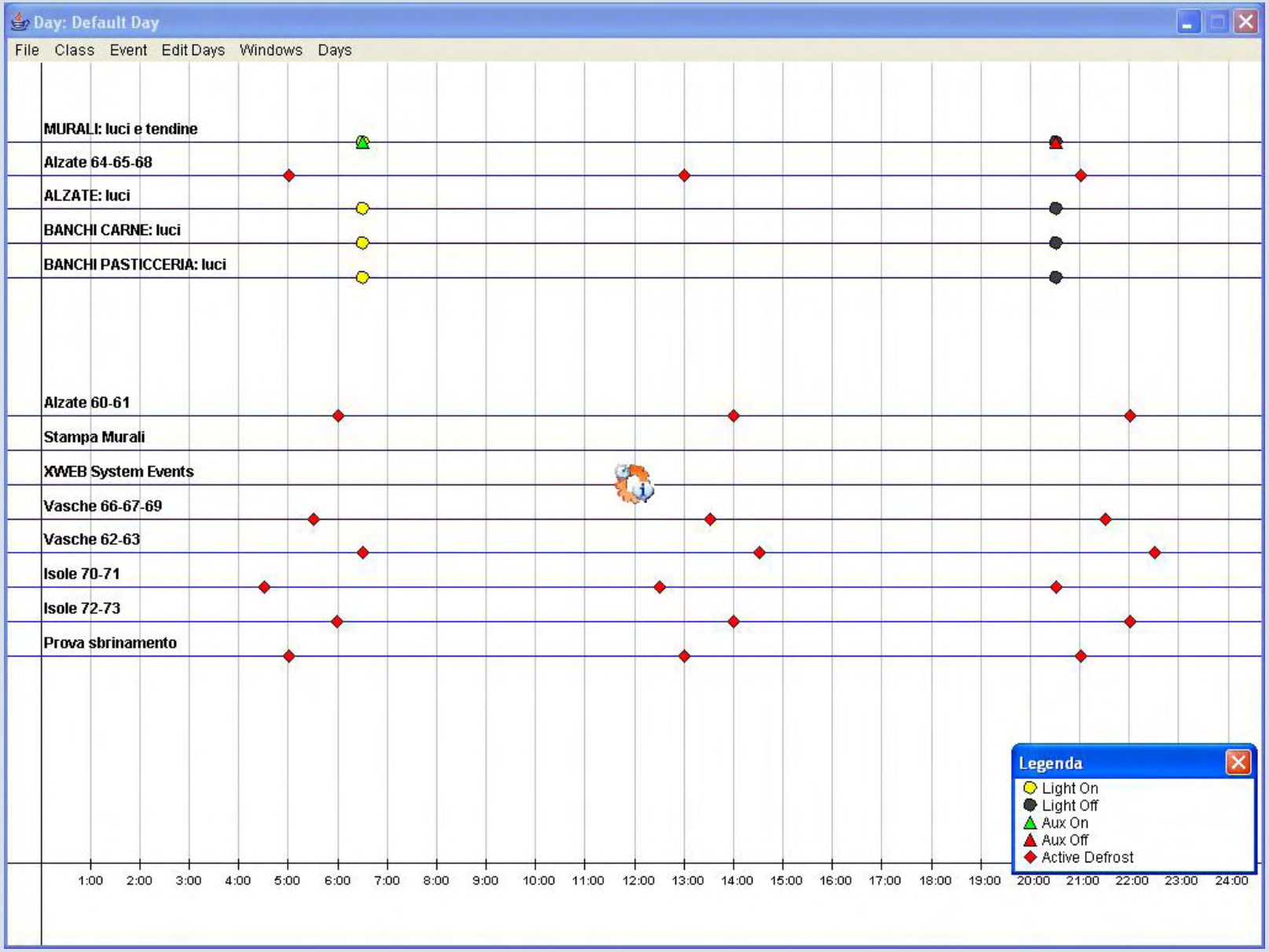
...Export Data



	A	B	C	D	E
1	Date-Time	Room (Pb1)	Evaporator (Pb2	Set Point	On
2	20/03/2007 13.05.00	23,20	0,00	22,60	ACTIVE
3	20/03/2007 13.20.00	23,00	0,00	22,60	ACTIVE
4	20/03/2007 13.35.00	23,00	0,00	22,60	ACTIVE
5	20/03/2007 13.50.00	23,00	0,00	22,60	ACTIVE
6	20/03/2007 14.05.00	23,00	0,00	22,60	ACTIVE
7	20/03/2007 14.20.00	23,00	0,00	22,60	ACTIVE
8	20/03/2007 14.35.00	23,00	0,00	22,60	ACTIVE
9	20/03/2007 14.50.00	23,00	0,00	22,60	ACTIVE
10	20/03/2007 15.05.00	23,00	0,00	22,60	ACTIVE
11	20/03/2007 15.26.00	23,10	0,00	22,60	ACTIVE
12	20/03/2007 15.41.00	39,10	0,00	22,60	ACTIVE
13	20/03/2007 16.06.00	40,60	0,00	22,60	ACTIVE
14	20/03/2007 16.34.00	41,50	0,00	22,60	ACTIVE
15	20/03/2007 16.49.00	41,60	0,00	22,60	ACTIVE
16	20/03/2007 17.04.00	42,00	0,00	22,60	ACTIVE
17	20/03/2007 17.19.00	41,50	0,00	22,60	ACTIVE
18	20/03/2007 17.34.00	41,50	0,00	22,60	ACTIVE
19	20/03/2007 17.49.00	41,90	0,00	22,60	ACTIVE
20	20/03/2007 18.04.00	41,90	0,00	22,60	ACTIVE
21	20/03/2007 18.19.00	41,60	0,00	22,60	ACTIVE
22	20/03/2007 18.34.00	40,80	0,00	22,60	ACTIVE
23	20/03/2007 18.49.00	40,80	0,00	22,60	ACTIVE
24	20/03/2007 19.04.00	40,90	0,00	22,60	ACTIVE
25	20/03/2007 19.19.00	41,00	0,00	22,60	ACTIVE
26	20/03/2007 19.34.00	41,00	0,00	22,60	ACTIVE
27	20/03/2007 19.49.00	40,70	0,00	22,60	ACTIVE
28	20/03/2007 20.04.00	40,50	0,00	22,60	ACTIVE
29	20/03/2007 20.19.00	40,40	0,00	22,60	ACTIVE

XWEB Monitoring System

...Scheduler

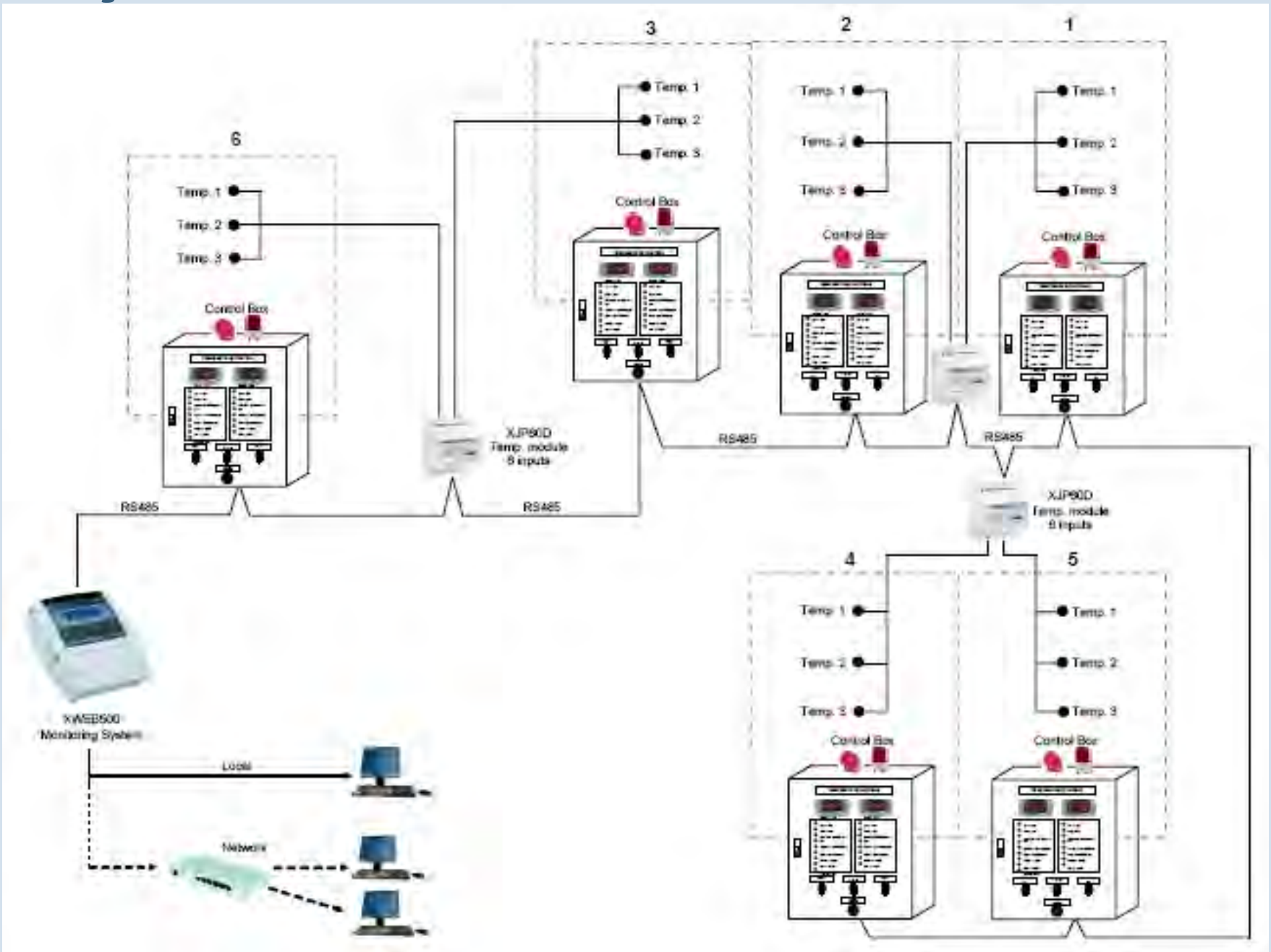


XWEB Monitoring System

...History Alarm

Device	Alarm Type	From	To	Ending	Typology	Level
014 CHILLER_IC121C	Thermal Fan	06/06/05 09:55	Active..		Thermal Fans	High level
014 CHILLER_IC121C	High Pressure	06/06/05 09:55	Active..		High Pressure	High level
014 CHILLER_IC121C	Thermal Compr.1	06/06/05 09:55	Active..		Thermal Compr.1	High level
011 XC911M	high Temp. Pb1	06/06/05 09:54	Active..		High Temp.	High level
011 XC911M	Error Pb2	06/06/05 09:54	Active..		Error Probe	High level
015 Energy Meter	No Link	06/06/05 09:24	06/06/05 09:24	Auto	No link	High level
015 Energy Meter	No Link	06/06/05 09:02	06/06/05 09:02	Auto	No link	High level
015 Energy Meter	No Link	06/06/05 08:28	06/06/05 08:28	Auto	No link	High level
015 Energy Meter	No Link	06/06/05 06:09	06/06/05 06:09	Auto	No link	High level
015 Energy Meter	No Link	06/06/05 06:01	06/06/05 06:01	Auto	No link	High level
015 Energy Meter	No Link	06/06/05 04:52	06/06/05 04:52	Auto	No link	High level
015 Energy Meter	No Link	06/06/05 04:09	06/06/05 04:09	Auto	No link	High level
015 Energy Meter	No Link	06/06/05 04:02	06/06/05 04:02	Auto	No link	High level
015 Energy Meter	No Link	06/06/05 03:11	06/06/05 03:11	Auto	No link	High level
015 Energy Meter	No Link	06/06/05 03:10	06/06/05 03:10	Auto	No link	High level
015 Energy Meter	No Link	06/06/05 03:08	06/06/05 03:08	Auto	No link	High level
015 Energy Meter	No Link	06/06/05 02:42	06/06/05 02:42	Auto	No link	High level
015 Energy Meter	No Link	06/06/05 02:37	06/06/05 02:37	Auto	No link	High level
015 Energy Meter	No Link	06/06/05 02:32	06/06/05 02:32	Auto	No link	High level
015 Energy Meter	No Link	06/06/05 00:49	06/06/05 00:49	Auto	No link	High level
015 Energy Meter	No Link	06/06/05 00:16	06/06/05 00:16	Auto	No link	High level
015 Energy Meter	No Link	05/06/05 23:39	05/06/05 23:39	Auto	No link	High level
015 Energy Meter	No Link	05/06/05 20:23	05/06/05 20:23	Auto	No link	High level
015 Energy Meter	No Link	05/06/05 19:45	05/06/05 19:45	Auto	No link	High level
015 Energy Meter	No Link	05/06/05 19:44	05/06/05 19:44	Auto	No link	High level

...Lay out


3
2
1
6
4
5
Temp. 1
Temp. 2
Temp. 3
Control Box
XJP90D
Temp. module
8 inputs
RS485
XWEB500
Monitoring System
Local
Network