

Airport & Jupiter offices Airport City Complex

Solution Partner

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SIEMENS

Year of execution: 2012

Facts:

Airport & Jupiter, St Petersburg, Russia
Class A offices, part of AirportCity complex
1268 physical data points
224 room controllers
50 Mbus integration data points

System: SIEMENS PX + RX LonWorks + DESIGO BMS
+ Mbus

- HVAC control and monitoring
- Main trafo monitoring and metering
- Rooms air conditioning fan coils integrated to BMS
- Light control
- Mbus metering integration
- Fire dampers monitoring
- Fire pressurization control
- Fire smoke exhaust control



Crowne Plaza Hotel Airport City Complex

Solution Partner

Building Technologies

SIEMENS

Year of execution: 2012

Facts:

Hotel Crowne Plaza, St Petersburg, Russia
* * * * Hotel at Pulkovo Airport, St Petersburg, part of
AirportCity complex
294 guest rooms
2150 physical data points
50 Mbus integration data points

System: SIEMENS PX + Mbus + DESIGO BMS

- HVAC control and monitoring
- Mbus metering integration
- Fire dampers monitoring
- Fire pressurization control, smoke exhaust control



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Macopharma

Year of execution: 2012

Facts:

Macopharma, Wroclaw, Poland

Pharma industry

600 physical data points

System: SIEMENS UNIGYR + DESIGO BMS

- HVAC control and monitoring
- Clean rooms and areas control and monitoring

Scope of work: upgrade of existing DESIGO station to v.4.1 + adding DESIGO WEB functionality



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Anpharm

Year of execution: 2011

Facts:

Anpharm, Warsaw, Poland

Pharma industry

900 physical data points

System: SIEMENS UNIGYR & PX + DESIGO BMS

- HVAC control and monitoring
- Clean rooms and areas control and monitoring

Scope of work:

- Migration from existing BMS UNIGYR INSIGHT station to DESIGO station
- Extension with new plants with PX system
- Critical alarms via SMS to technical personnel



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Platinum

Year of execution: 2010

Facts:

Platinum, Bucharest, Romania

Office complex

1900 PX physical data points

17020 LON integrated data points

System: SIEMENS PX + DESIGO BMS + LON

- HVAC control and monitoring
- Trane room control LON integration
- Trane ventilation units LON integration
- Light control



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Cathedral Plaza

Year of execution: 2010

Facts:

Cathedral Plaza, Bucharest, Romania

Offices

975 PX physical data points

9350 LON integrated data points

100 ModBus integrated data points

System: SIEMENS PX + DESIGO BMS + LON + ModBus

- HVAC control and monitoring
- Man trafo monitoring and metering
- Trane room control LON integration
- Trane ventilation units LON integration
- Honeywell boiler plant LON integration
- Electrical network analyzers ModBus integration
- Light control



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Hotel Marriott

Year of execution: 2010

Facts:

Hotel Marriott, Bucharest, Romania

***** Hotel at the center of Bucharest

861 room controllers: 402 guest rooms + offices + common areas

2232 PX physical data points

220 BacNet IP integrated data points

200 OPC integrated data points

System: Migration from SIEMENS VISONIK + DESIGO BMS, to SIEMENS DESIGO PX + DESIGO BMS + BacNet IP + OPC

- HVAC control and monitoring
- rooms air conditioning fan coils integrated to BMS
- Trane chillers BMS integration (BacNet IP)
- Frako energy management system BMS integration (OPC)

Project executed together with SIEMENS Romania



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Dacia-Renault factory

Year of execution: 2010

Facts:

Dacia-Renault, Mioveni, Romania
Car factory, engines department, full precision air conditioning of engines lab test stands.
150 PX physical data points

System: SIEMENS PX + DESIGO BMS

- HVAC control and monitoring



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CASCADE EURO TOWER

Year of execution: 2010

Facts:

Cascade Euro Tower, Bucharest, Romania

Office building

409 PX physical data points

730 EIB/KNX integrated physical data points

50 integrated data points ModBus (TRAFO analyzers)

System: SIEMENS SBT PX + DESIGO BMS + EIB/KNX
+ ModBus

- HVAC control and monitoring
- media metering for tenant
- main trafo monitoring & metering
- fire pumps
- fire scenario
- lights control



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Hotel Angelo

Year of execution: 2010

Facts:

Hotel Angelo, Katowice, Poland

* * * * Hotel in center of Katowice

203 guest room

760 PX physical data points

30 integrated data points ModBus

35 integrated data points MBus

System: SIEMENS SBT PX + DESIGO BMS + ModBus
+ Mbus + LonWorks

- HVAC control and monitoring
- rooms air conditioning fan coils integrated to BMS
- trafo analyzers integrated into BMS (ModBus)
- metering integrated into BMS (MBus)

About the Hotel (info from May 2010):

- 181 standard rooms
- 5 junior suites and 17 suites with kitchenette
- Executive floors with additional facilities
- Jazz Bar
- Restaurant "Sunlight" suitable to seat 150 guests
- Conference facilities with 8 conference rooms
- Central location, in direct proximity to the main railway station and the Spodek Show Arena
- Direct connection to the airport by city bus
- Fitness studio and sauna
- Underground parking spaces



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Petrom City

Year of execution: 2009

Facts:

Petrom City, Bucharest, Romania

Powerplant & IT datacenter

1050 PX physical data points

260 integrated data points ModBus, SIMATIC

10 integrated data points ModBus windows blinds

170 integrated data points BacNet IP, STULZ

75 integrated data points MBus metering

47 BMS controlled air conditioned office zones

System: SIEMENS SBT PX + RX LonWorks +
DESIGO BMS + ModBus + Mbus + BacNet IP

- HVAC control and monitoring
- Lights control
- Fire & smoke exhaust systems monitoring
- IT datacenter monitoring
- Monitoring of STULZ cooling unit for IT solutions (BacNet IP)
- Power panels monitoring
- SIMATIC (ModBus) integration – power plant monitoring (gas fueled Deutz engines for heat & electricity generation)
- Control (ModBus) windows blinds, accordingly calculated sun position & radiation
- Media metering integration (Mbus)
- Critical alarms via SMS to technical personel



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ANDELS Hotel

Year of execution: 2009

Facts:

ANDELS Hotel, Lodz, Poland

* * * * Hotel in centre of Lodz

278 guest rooms

1550 PX physical data points

10 integrated data points ModBus

System: SIEMENS SBT PX + ModBus + DESIGO BMS

- HVAC control and monitoring
- rooms air conditioning fan coils integrated to BMS
- trafo analyzers integrated into BMS (ModBus)

andel's Hotel Łódź highlights: (June 2009):

- 3100m² of conference space
- Biggest ballroom in Łódź with 1300m²
- Delight Restaurant with seating capacity for 330 people
- Oscar's Bar
- Lounge Room on the highest hotel floor
- Glass - enclosed rooftop pool with a view of the city
- skySPACE - Fitness & Spa Centre
- Hotel underground car park
- Cargo lift for exhibits or cars



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Private residence, Moldova

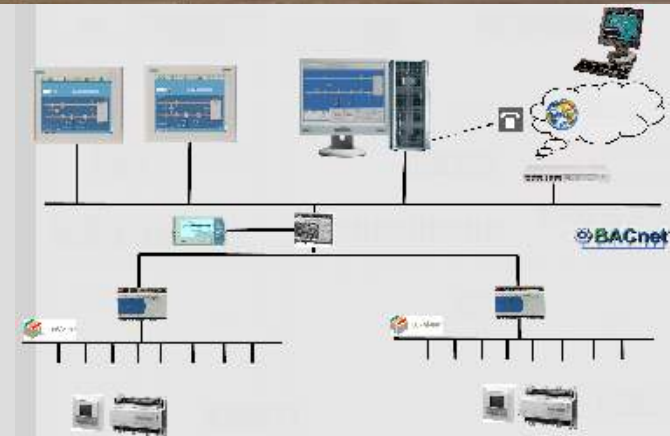
Year of execution: 2008

Facts:

Chisinau, Moldova
Private residence
42 rooms

System: SIEMENS SBT PX + DESIGO BMS + DESIGO
WEB SERVER + DESIGO WEB CLIENTS
TOUCHPANELS

- HVAC control and monitoring



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Armonia

Year of execution: 2008

Facts:

Armonia, Arad, Romania

Shopping gallery/center

750 PX physical data points

200 LonWorks integrated data points

150 ModBus integrated data points

System: SIEMENS SBT PX + DESIGO BMS
+ LonWorks + ModBus + WAGO PLC

- HVAC control and monitoring
- lights control
- fire & smoke exhaust installations monitoring
- power distribution panels monitoring
- TRANE rooftops integration (LonWorks)
- CIAT chiller integration (ModBus)
- JANITZA trafo energy meters integration (ModBus)



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Nord Apartments

Year of execution: 2008

Facts:

Nord Apartments, Bucharest, Romania
Luxury apartments

System: EIB/KNX + iBMS, Mbus - metering

- HVAC control and monitoring
- Light control
- Shutters control
- Multiroom REVOX audio system integration
- Media consumption monitoring system per each apartment (Mbus system, 140 metering points)



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West Logistic Park

Year of execution: 2007/2008

Facts:

West Logistic Park, Bucharest, Romania

Logistic centre

150 PX physical data points

System: SIEMENS SBT PX + DESIGO BMS + WLAN communication

- technical installations monitoring area around 100 ha



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ANDELS Hotel

Year of execution: 2007

Facts:

- ANDELS Hotel, Krakow, Poland
- *** Hotel in the centre of Krakow
- 159 guest rooms
- 540 physical data points

System: SIEMENS SBT PX + DESIGO BMS

- HVAC control and monitoring
- rooms air conditioning fan coils integrated to BMS



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Hornbach

Year of execution: 2007

Facts:

Hornbach, Bucharest, Romania
Construction & Garden Market
435 physical data points

System: SIEMENS SBT PX + DESIGO BMS

- HVAC control and monitoring
- lights control
- fire pumps monitoring
- fire dampers monitoring



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SIEMENS

Skalny

Year of execution: 2007

Facts:

Hotel Orbis "Skalny", Karpacz, Poland

* * * * Hotel

130 physical data points

System: Saia PLC + ASIX BMS + Gas & electricity metering integration

- HVAC control and monitoring
- heating generation
- hot water preparation
- monitoring and limitation of gas consumption
- monitoring and limitation of electricity consumption
- common rooms temperature control
- swimming pool temperature control (water & air)



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Kaufland

Year of execution: 2007

Facts:

Kaufland HQ offices, Bucharest, Romania

Office building

100 physical data points

System: SIEMENS SBT PX + DESIGO BMS

- HVAC control and monitoring
- fire dampers monitoring
- critical alarms via emails to IT department



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Metro Group

Year of execution: 2007

Facts:

Metro HQ offices, Moscow, Russia

Office building

1300 physical data points

System: SIEMENS SBT PX + DESIGO BMS

- HVAC control and monitoring
- lights control and monitoring
- fire dampers monitoring



© METRO Cash & Carry

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S-Park

Year of execution: 2007

Facts:

S-Park, Bucharest, Romania

Office building

450 PX physical data points

750 EIB/KNX integrated physical data points

130 LonWorks integrated data points (metering)

50 ModBus integrated data points (Buderus plant)

System: SIEMENS SBT PX + DESIGO BMS + EIB/KNX
+ LonWorks + ModBus + EnOcean/EasySens

- HVAC control and monitoring
- tenants energy consumption monitoring
- main power trafo monitoring and metering
- cold water pumps
- fire pumps
- lighting
- fire scenario



Złote Tarasy

Year of execution: 2006

Facts:

Złote Tarasy, Warsaw, Poland
Multifunctional complex in the heart of Warsaw
Total project size: 225,000 m²
Offices: 45,000 m²
Retail & leisure: 63,500 m²
1,620 parking places
390 physical data points

System: SIEMENS SBT PX

- fully automated constant over pressure in all staircases in fire mode due to frequency inverter modulated supply fans
- 29 staircases
- 180 pressure sensors



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City House

Year of execution: 2006

Facts:

City House, Warsaw, Poland

Office building

3000 data points

System: TAC Xenta + TAC Vista BMS

- HVAC control and monitoring
- tenant media metering monitoring

Scope of work: BMS station (subcontracting)



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Cirrus

Year of execution: 2006

Facts:

Cirrus, Warsaw, Poland

Office building

1500 data points

System: TAC Xenta + TAC Vista BMS

- HVAC control and monitoring
- tenant media metering monitoring
- light control

Scope of work: BMS station (subcontracting)



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Kaufland

Year of execution: 2006

Facts:

3 Kaufland shops, Romania

Cities: Tirgu Mures, Alba Iulia, Baia Mare

around 270 physical data points in each shop

System: WAGO PLC + CIMREX touch panel

- HVAC control and monitoring
- light control
- hydrants monitoring
- fire dampers monitoring
- sprinklers monitoring
- access control/security monitoring
- deep frost room monitoring
- smoke exhaust fans monitoring



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Kaufland

Year of execution: 2006

Facts:

Kaufland central storage, Piotrkow Trybunalski, Poland
240 physical data points

System: WAGO PLC

- AHU control
- Heating generation monitoring
- Hot Water preparation control

Scope of work: WAGO PLC programming for HAVC part of building (subcontracting)



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HELLA

Year of execution: 2006

Facts:

HELLA, Timisoara, Romania

Electronic factory

400 physical data points

System: SIEMENS SBT PX + DESIGO BMS

- HVAC control and monitoring



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Traumatology Hospital

Year of execution: 2005

Facts:

Traumatology Hospital, Tripolis, Libya

Hospital

1500 physical data points

System: Landis&Steafa DEC VISONIK SERVER +
VISONIK INSIGHT

- HVAC control and monitoring
- 45,000 m² Hospital Building high standard Hospital
- energy consumption control
- clean room control

Scope of work: System service works after 10 years of
continuous system operation



Ostrobramska

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Year of execution: 2005

Facts:

Ostrobramska, Warsaw, Poland

Office building

230 physical data points

System: TAC Xenta + TAC Vista BMS

- HVAC control and monitoring
- room air conditioning fan coils integrated to BMS
- ESSER fire detection system integration via bus&DDE server
- tenant media metering monitoring

Scope of work: BMS station (subcontracting)



Crown Point

Year of execution: 2005

Facts:

Crown Point, Warsaw, Poland

Office building

2000 data points

System: TAC Xenta + TAC Vista BMS

- HVAC control and monitoring
- room cooling/heating ceiling beams integrated to BMS
- tenant media metering monitoring

Scope of work: BMS station (subcontracting)



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The SIEMENS logo is displayed in a bold, blue, sans-serif font.



Crown Tower

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Year of execution: 2005

Facts:

Crown Tower, Warsaw, Poland

Office building

3000 data points

System: TAC Xenta + TAC Vista BMS

- HVAC control and monitoring
- room cooling/heating ceiling beams integrated to BMS
- tenant media metering monitoring
- light control

Scope of work: BMS station (subcontracting)



Cinema City Torun

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Year of execution: 2005

Facts:

Cinema City, Torun, Poland

700 data points

System: TAC Xenta + TAC Vista BMS

•HVAC control and monitoring

Scope of work: BMS station (subcontracting)



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Cinema City Czestochowa

Year of execution: 2005

Facts:

Cinema City, Czestochowa, Poland
700 data points

System: TAC Xenta + TAC Vista BMS
•HVAC control and monitoring

Scope of work: BMS station (subcontracting)



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Bucharest Business Park

Year of execution: 2005/2006

Facts:

Bucharest Business Park, Bucharest, Romania

Office building

450 PX physical data points

1000 EIB/KNX integrated physical data points

System: SIEMENS SBT PX + DESIGO BMS + EIB/KNX integration

- HVAC control and monitoring
- lighting
- fire pumps
- cold water pumps
- fire scenario

Bucharest Business Park gets Office Development of the Year award in Warsaw, Poland.

The Bucharest Business Park won the award for the Best Office Project of 2005 and the Overall Best Project for 2005 Award from all market sectors at the first Europaproperty South-eastern Europe (SEE) Real Estate Awards.



SIMEA

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SIEMENS

Year of execution: 2005

Facts:

SIMEA, Sibiu, Romania
Siemens electronic factory
255 physical data points

System: SIEMENS SBT PX + DESIGO BMS

- HVAC control and monitoring



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Alkaloid

Year of execution: 2005

Facts:

Alkaloid, Skopje, Macedonia

Pharmacy industry

170 physical data points

100 integrated LON points

System: SIEMENS SBT VISONIK + DESIGO BMS + JCI

LON integration via OPC LON server

- HVAC control and monitoring
- clean rooms pressure control & monitoring



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Romatsa Air Traffic Center

Year of execution: 2004

Facts:

Romatsa Air Traffic Center, Bucharest, Romania

Office building

100,000 m²

6800 EIB/KNX physical data points

System: EIB/KNX

- Lighting
- Fire scenario



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Gryffin House

Year of execution: 2004

Facts:

Gryffin House, Warsaw, Poland

Office building

230 physical data points

System: SIEMENS SBT PX + DESIGO BMS

- HVAC control and monitoring



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PPL

Year of execution: 2004

Facts:

Polish Airports, Warsaw, Poland

Office building

1400 physical data points

System: SIEMENS VISONIK SERVER + DESIGO BMS

- HVAC control and monitoring
- room air conditioning fan coils integrated to BMS

Scope of work: System service & corrections



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Formy Suche

Year of execution: 2004

Facts:

Formy Suche, Poznan, Poland

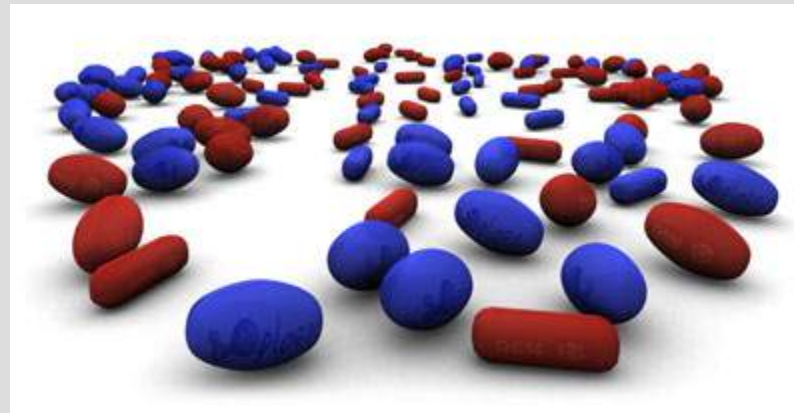
Pharmacy industry

345 physical data points

System: SIEMENS SBT PX + DESIGO BMS

- HVAC control and monitoring
- clean rooms pressure control & monitoring

Scope of work: DESIGO BMS station



German Embassy

Year of execution: 2003

Facts:

German Embassy, Bucharest, Romania

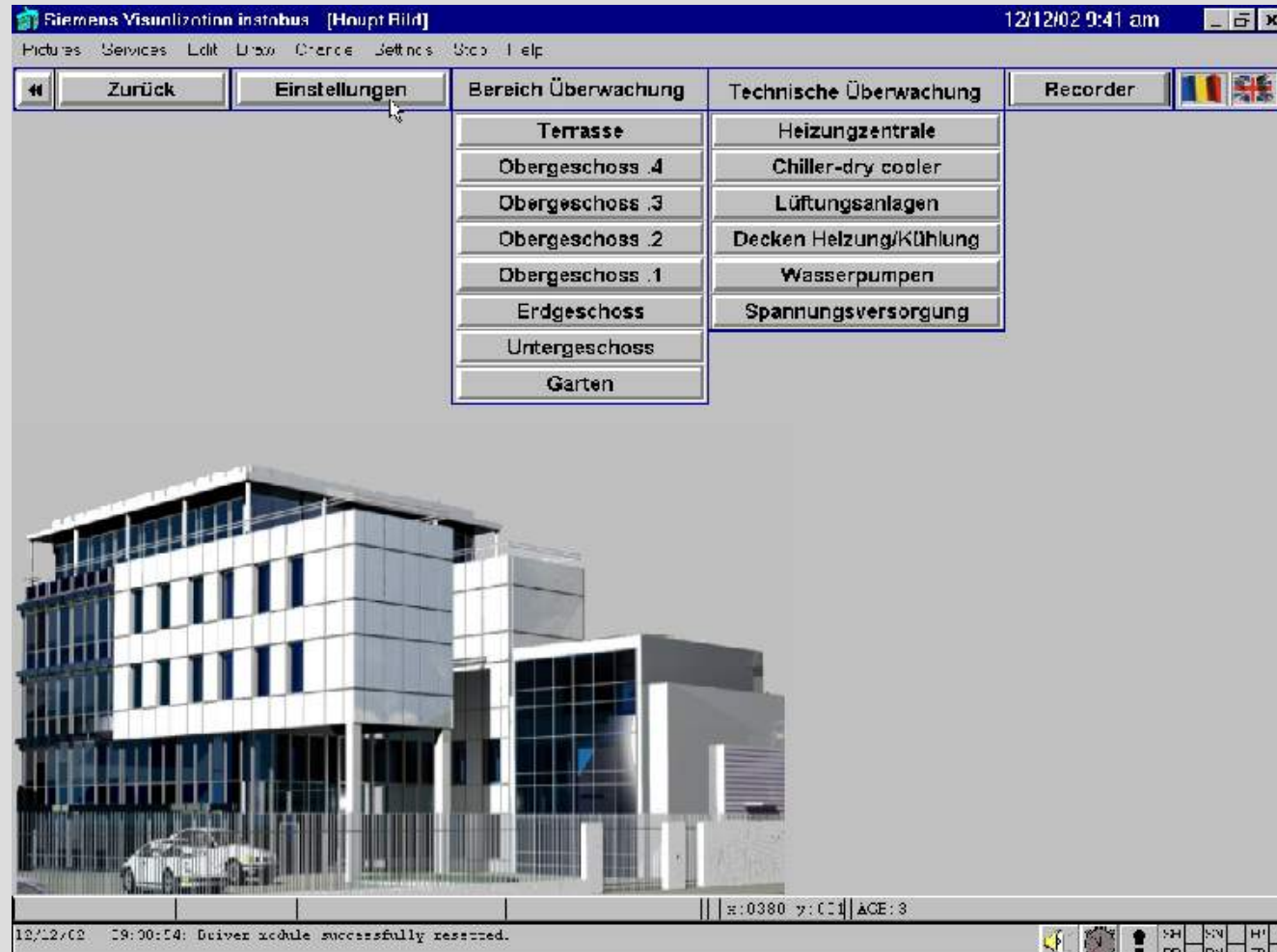
Embassy

4000 m²

800 EIB/KNX physical data points

System: EIB/KNX

- HVAC control and monitoring
- Lighting
- Fancoils – 100 rooms control
- Shutters
- Fire pumps
- Cold water pumps



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SIEMENS

Macopharma

Year of execution: 2003

Facts:

Macopharma, Wroclaw, Poland

Pharmacy industry

600 physical data points

System: SIEMENS SBT UNIGYR + DESIGO BMS

- HVAC control and monitoring
- clean rooms pressure control & monitoring

Scope of work: DESIGO BMS station



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Intercontinental Hotel

Year of execution: 2003

Facts:

Intercontinental Hotel, Warsaw, Poland

***** Hotel in the centre of Warsaw

326 guest rooms

1500 physical data points

System: SIEMENS VISONIK SERVER + DESIGO BMS
+ Mbus-OPC server + Fidelio integration

- HVAC control and monitoring
- room air conditioning fan coils integrated to BMS
- energy consumption control
- guest room occupancy HVAC mode, integrated to front desk Fidelio reservation system

Scope of work: Fidelio integration, Mbus-OPC server for metering / energy consumption



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SAS Radisson, Filharmonia Hotel

Year of execution: 2003

Facts:

Filharmonia Hotel, Krakow, Poland

* * * * * Hotel in the centre of Krakow

196 guest rooms

550 physical data points

System: SIEMENS VISONIK SERVER + DESIGO BMS
+ Fidelio integration

- HVAC control and monitoring
- room air conditioning fan coils integrated to BMS
- guest room occupancy HVAC mode, integrated to front desk Fidelio reservation system



SAS Radisson, Akademia Hotel

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Year of execution: 2002

Facts:

Akademia Hotel, Wroclaw, Poland

***** Hotel in the centre of Wroclaw

162 guest rooms

500 physical data points

System: SIEMENS VISONIK SERVER + DESIGO BMS

- HVAC control and monitoring
- room air conditioning fan coils integrated to BMS



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GKN Driveline

Year of execution: 2002

Facts:

GKN Driveline, Olesnica, Poland
Automotive factory
1400 physical data points

System: JCI DX + MetaSys BMS

- 30 AHUs
- heating generation
- heating distribution & control
- hot water preparation
- compressed air monitoring
- cooling towers

Scope of work: BMS station (subcontracting)



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Rehau

Year of execution: 2001

Facts:

Rehau, Bucharest, Romania

Office building

10,000 m²

300 EIB/KNX physical data points

System: EIB/KNX + visualisation SIEMENS

- HVAC control and monitoring
- Fan coils – 40 rooms control
- Fire pumps

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Asirom

Year of execution: 2000

Facts:

Asirom, Timisoara, Romania

Office building

11,000 m²

1200 EIB/KNX physical data points

System: EIB/KNX

- HVAC control and monitoring
- Lighting
- Fan coils – 150 rooms control
- Ventilation control
- Voltage monitoring
- Elevators control
- Fire drencher
- Fire dampers and smoke exhaust

