

ADVANCED **I**NTELLECTUAL **I**NFRASTRUCTURE & **I**NDUSTRY



Engineering

Procurement

Construction

Management

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Certified partner of the international program «Siemens Solution Partner»

Our company is an authorized distributor and system integrator of **SIEMENS** in the following fields:

- Siemens Building Technologies
- Siemens Industrial Automation
- Siemens Power Distribution

Authorized distributor: RITTAL, BOSCH, PHOENIX CONTACT, LAPP KABEL, EMERSON, HENSEL, MENNEKES



Ural House of Science and Technologies





Solution Partner Certificate

AVATRI Certified

The company is a certified Partner in Russia and is authorized to use the name **Siemens Solution Partner Automation Drives**. The certification has been proved in the following program modules:

Automation System SIMATIC
Human Machine Interface SIMATIC HMI
Process Control System SIMATIC PCS 7

This certificate is valid until September 2016



R. I. Denekhe
Siemens Partner Program

Solution
Partner

Automation
Drives

SIEMENS

Certificate of Siemens Solution Partner

Solution
Partner

Building
Technologies

SIEMENS

Сертификат

Настоящий сертификат подтверждает, что
ООО «Аватри»
является официальным партнером

**Департамента
«Автоматизация и безопасность зданий» (BT)**
компании «Сименс»

по продаже и установке следующего оборудования:

- система автоматизации зданий Desigo;
- продукты и решения по направлению HVAC;
- периферийное оборудование для автоматизации зданий;
- приборы стандартного управления для автоматизации зданий;
- автоматика для котлов и горелок;
- система пожарной сигнализации Cerberus PRO;
- система диспетчеризации оборудования систем безопасности MM8000.

Руководство Департамента «Автоматизация и безопасность зданий»

Москва, 24.11.2015
Номер сертификата: BT - 15 - 11-56
Сертификат действителен до 30.09.2016



www.siemens.ru/bt

Certificate of official partner
Siemens Building Technologies

AVATRI S&T provides engineering, procurement, fabrication, construction, maintenance and project management services to diverse Clients globally.

Construction and Infrastructure



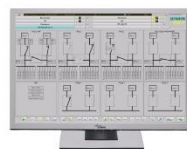
Industry Automation



Total Automation for Building Solution (TABS)

MONITORING

ADVANCED INTELLECTUAL INFRASTRUCTURE



MANAGEMENT



TOTALLY INTEGRATED POWER



PROFIBUS
NET

BACnet

BUILDING MANAGEMENT SYSTEMS - BMS



LOW-VOLTAGE SYSTEMS



Security Systems

Billing Systems

Industrial Ethernet

BUILDING ELECTRIC NETWORKS

PROFIBUS

PROFIBUS

LONMARK

LONMARK

KNX

Konnex



HVAC MANAGEMENT

VENTILATION



AIR CONDITIONING



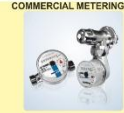
HEATING



WATER PREPARATION AND SEWERAGE



COMMERCIAL METERING



FIRE SAFETY



TRANSFERENCE



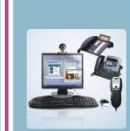
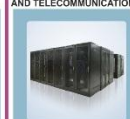
FIRE SAFETY



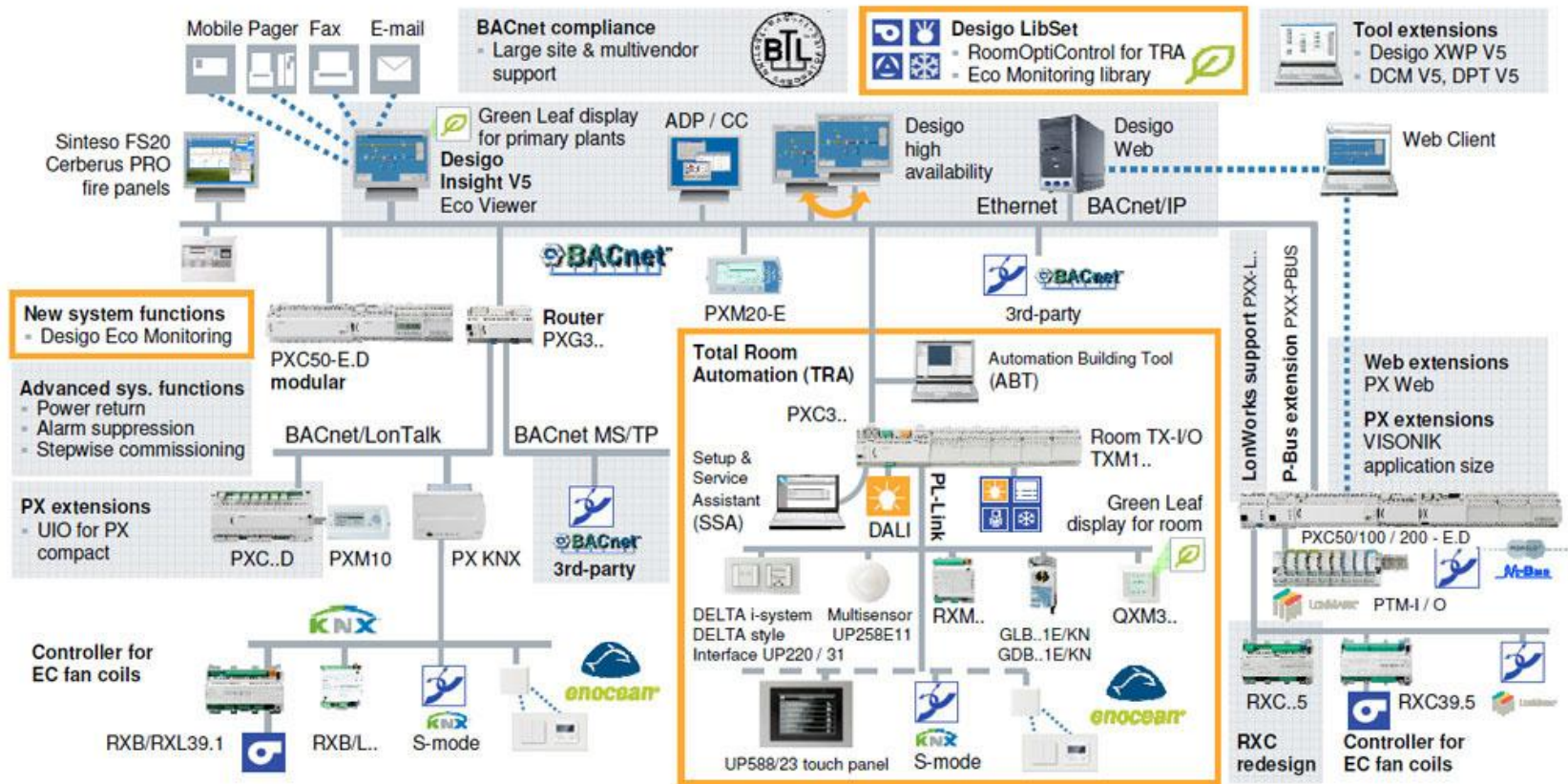
ACCESS CONTROL



INFORMATION TECHNOLOGIES AND TELECOMMUNICATION



Building Management System (BMS)



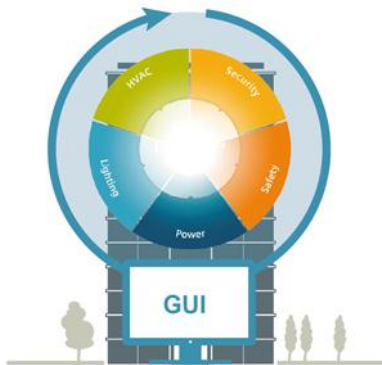


Designo CC

Building Management System

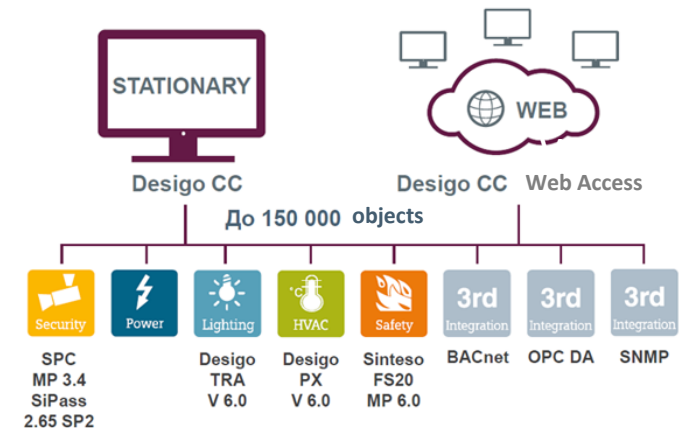


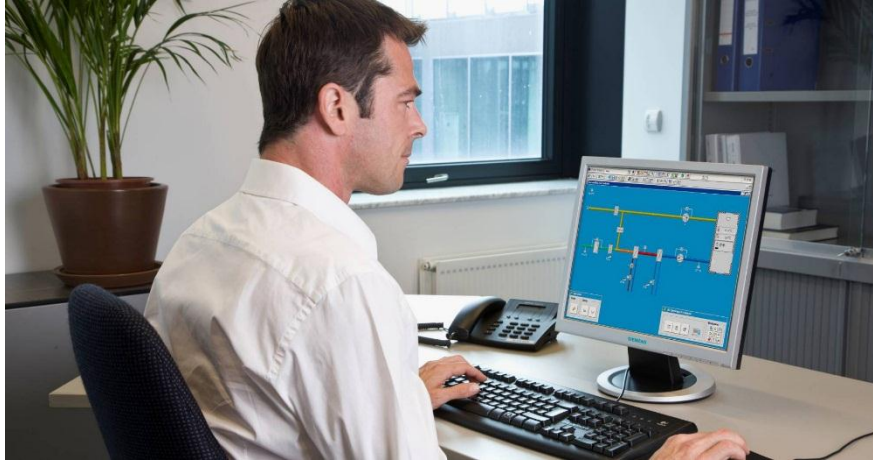
Secure operating environment
Optimum comfort
Complex control
Easy maintenance
Continuous optimization
Integrated solution



Standard protocols

BACnet
Modbus
OPC
DALI
M-Bus
SNMP

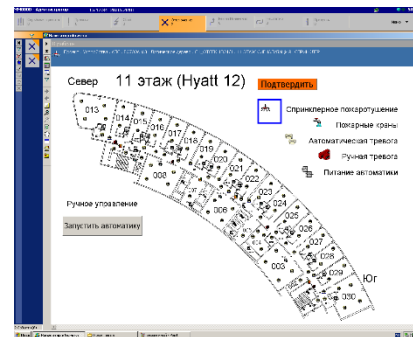
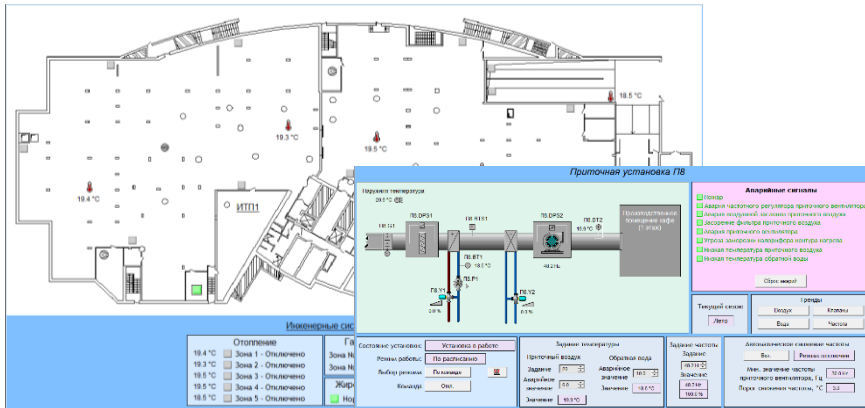




Management and control station



Emergency Management Station

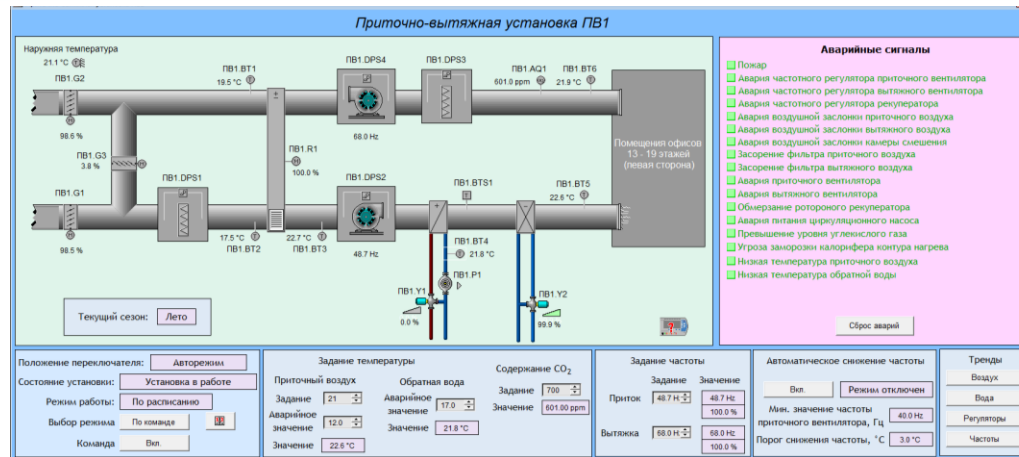
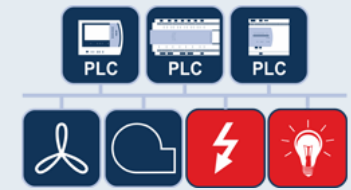


Automatic local heat distribution Automatic Air Recirculation System

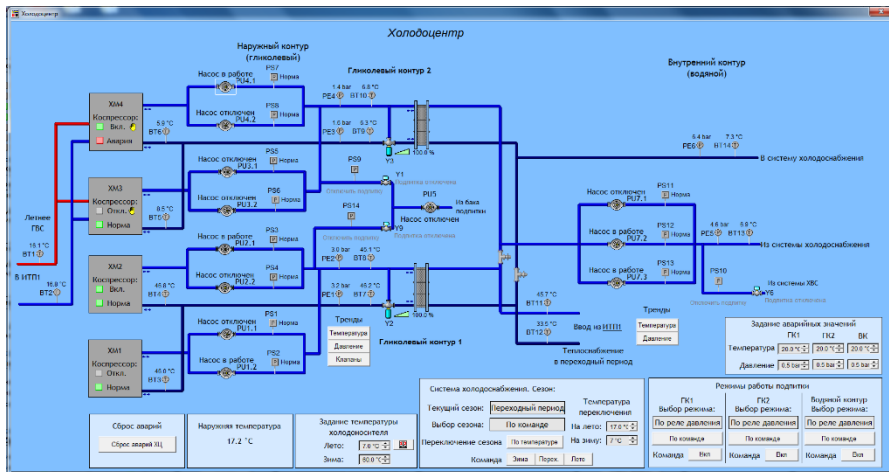
Automatic Fire Alarm System

Video Surveillance & Access control

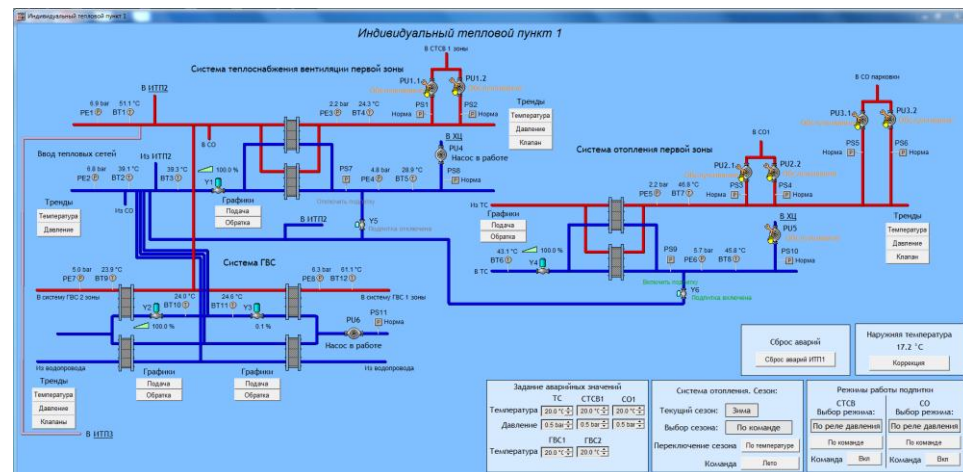
HVAC Management



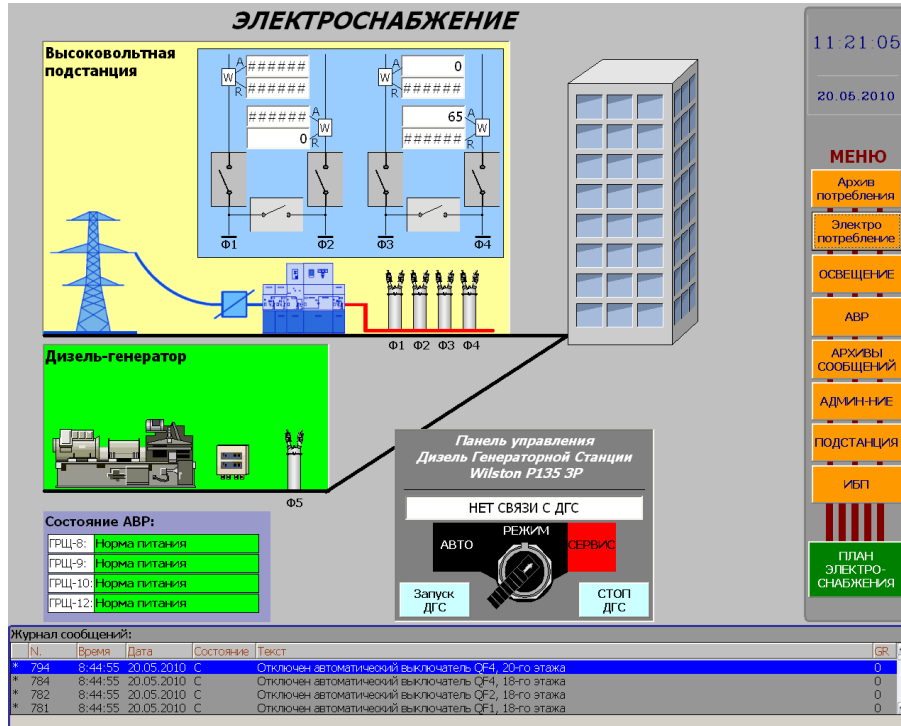
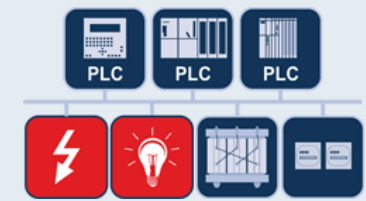
Automatic Air Recirculation System



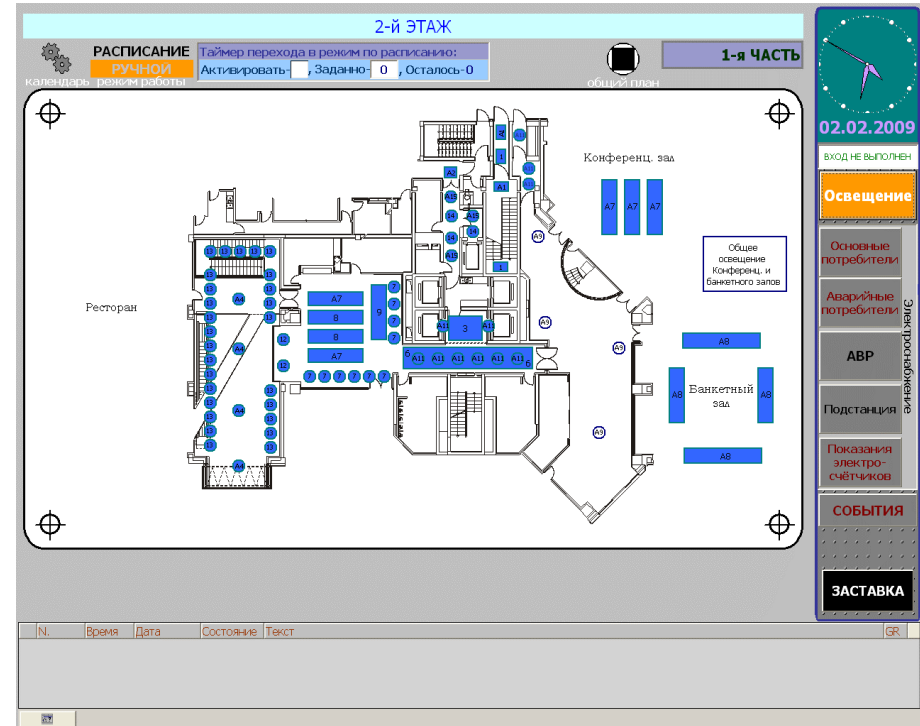
Automatic Air Conditioning System



Automatic local heat distribution



Electric Light and Power



Fire Safety



Automatic Fire Alarm System



Annunciation & Evacuation Alarm System

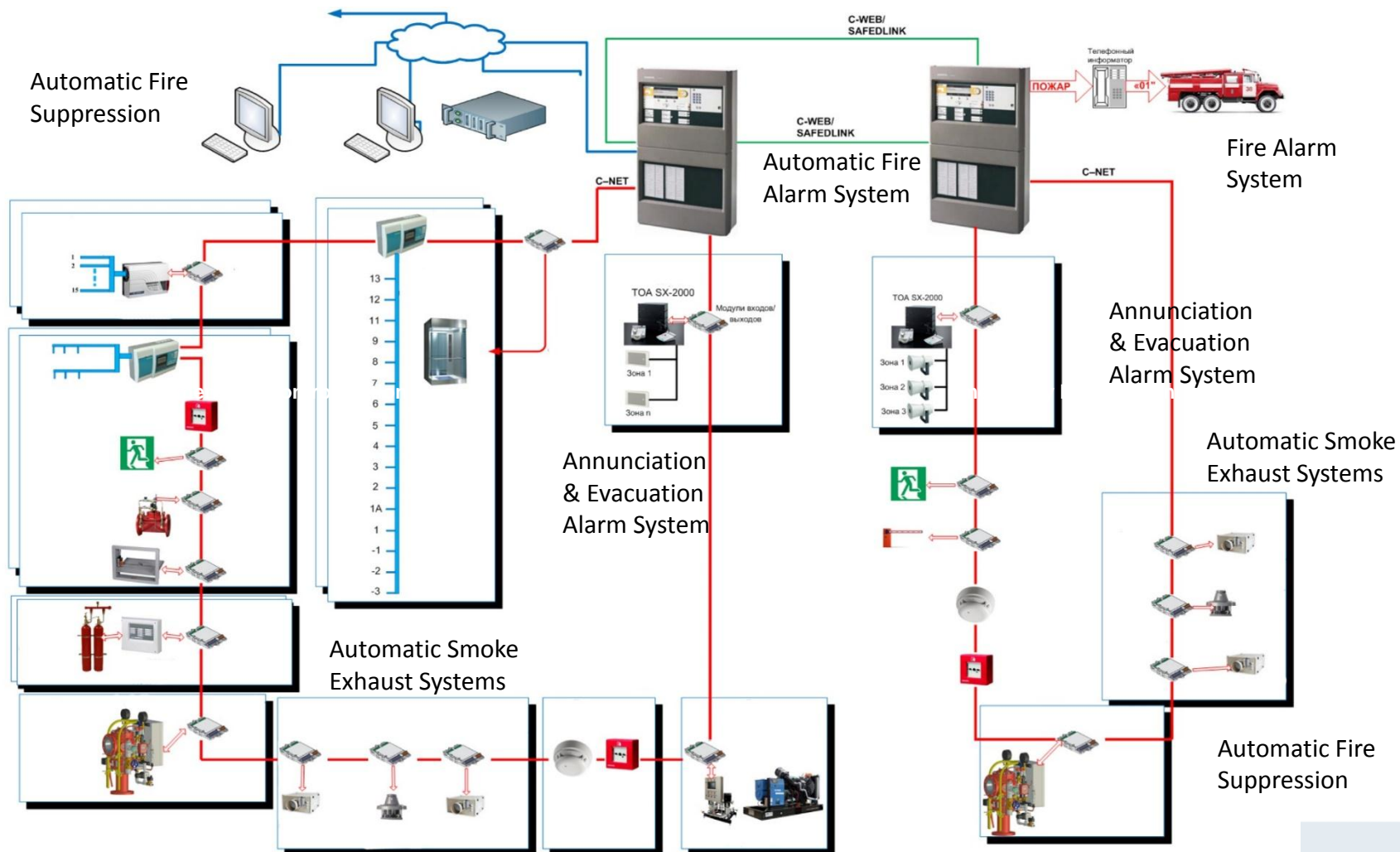


Automatic Fire Suppression

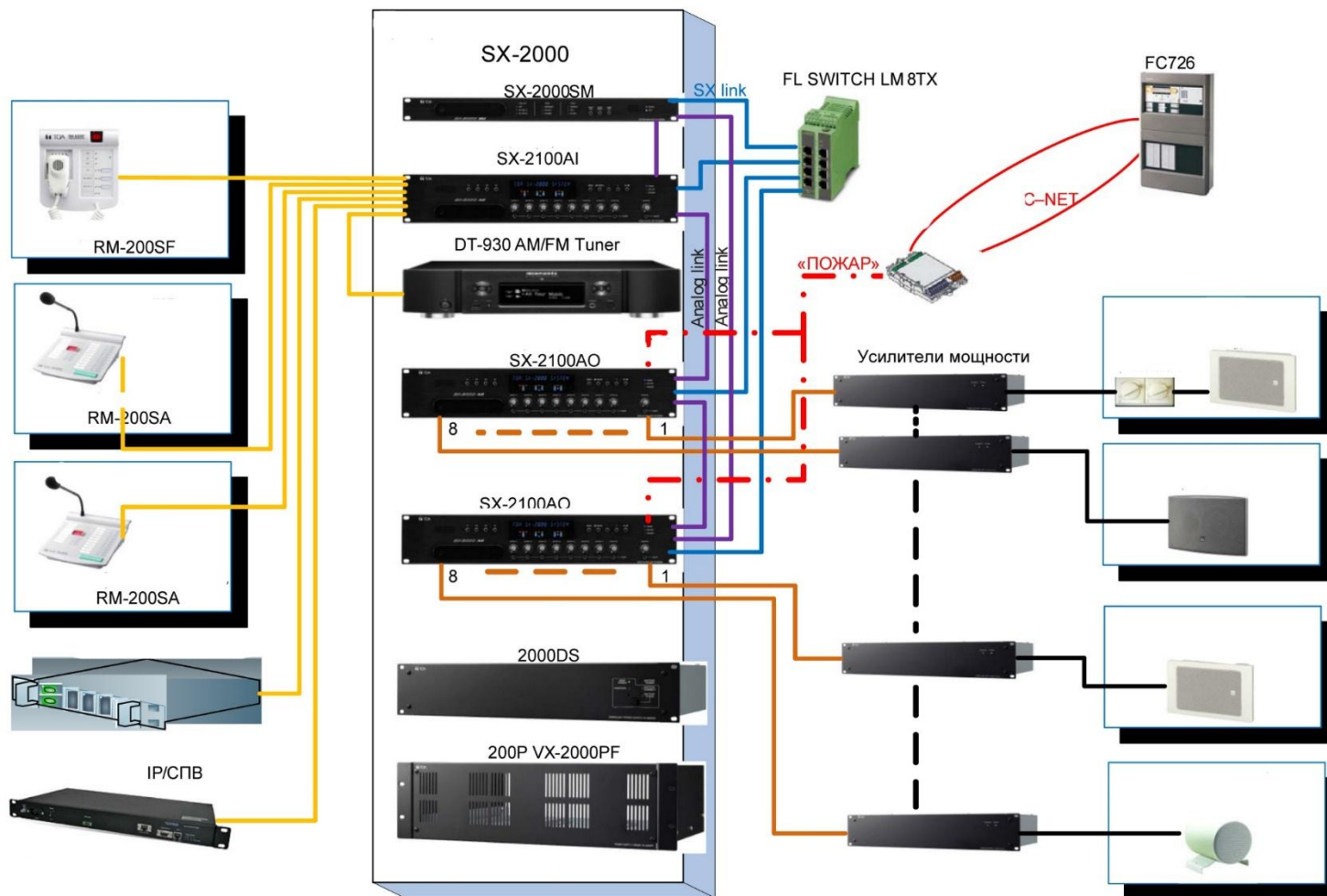


Automatic Smoke Exhaust Systems

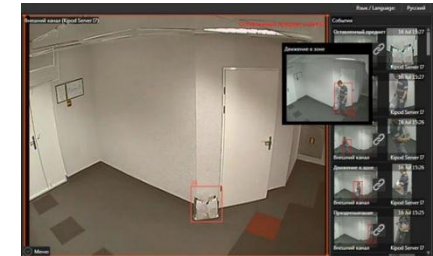
Fire Safety



Annunciation & Evacuation Alarm System



Video Surveillance Access Control & Security Systems



Video Surveillance System



Access Control



Security Management System



Internet



Telephony



Radio and Television

AVATRI S&T provides engineering, procurement, fabrication, construction, maintenance and project management services to diverse Clients globally.



Quality Management System



OSH management



Ecological Management

Clients trust us as an industry leader to design and build projects safely, cost-effectively and on-schedule. Our exceptional people, broad knowledge, agility, dedication to safety and vast network of resources enable AVATRI S&T to fulfill this commitment every day.



OUR ACTIVITIES:

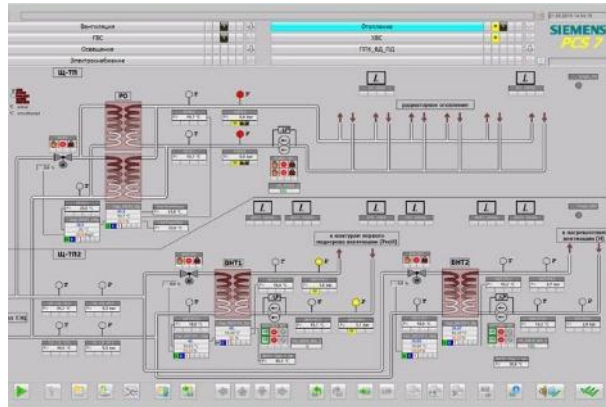
- Project study
- Basic & Detail Design
- Software Development
- Procurement and Manufacturing
- Erection and Supervision
- Commissioning and Tests
- Staff training



ADVANTAGES:

- Top qualified engineers – 70 certified professionals.
- 130 employees of the company.
- Professional project management.
- Extensive, stable relations with international suppliers and partners.
- Long-term fruitful relationships with major customers and partners.
- All required certificates, licenses and permissions.
- Own workshop for manufacturing, assembling and installation works of appr. 1000 m².
- Own warehouse of appr. 1000 m² with significant quantities of components available from the shelf





Siemens PCS7

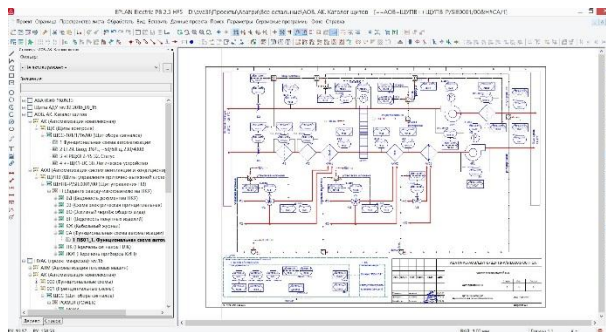
IEC, DIN, NEMA, GOST and special standards are applied upon project requirements

Basic engineering:

- Initial data and project specifications;
- General principles and requirements for project design;
- Functional specifications;
- Hardware configurations;
- Dimensioning and specification of main equipment and loops
- Layouts and main cable routes

Detail engineering:

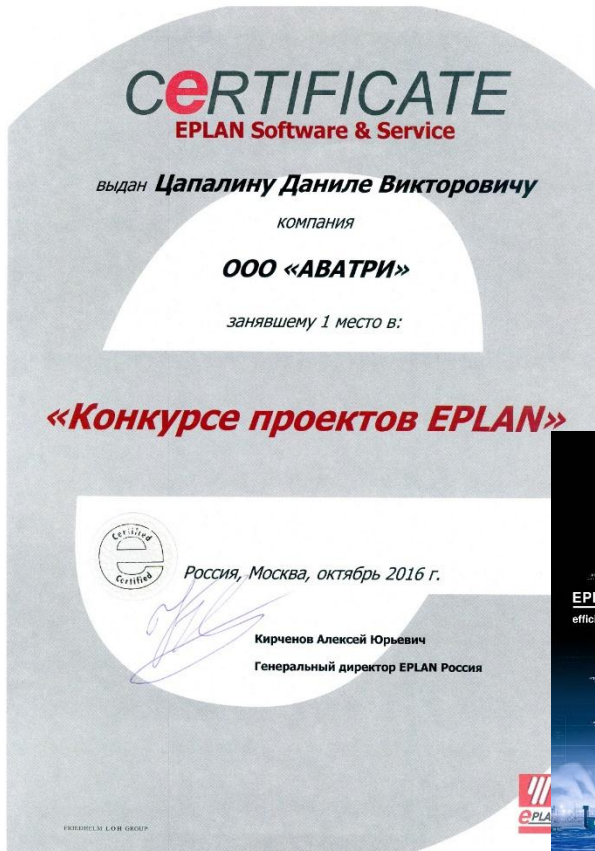
- Detailed engineering and planning of electrical and automation equipment and circuits
- Detailed selection and configuration of equipment and loops
- Development of process and drive control systems
- Detailed cable-route erection engineering
- PLC and HMI software development



EPLAN P8 & Field SYS



Best-in-class engineering results



FIRST PRIZE

design competition EPLAN in Russia 2016



High quality standards, compliance with regulatory legal norms and local standards, usage of the world's latest construction materials and technological design know-how, supplemented by close cooperation with international design companies, enables us to satisfy any customer wish.





Our references



INEO
GDF SUEZ



HYATT REGENCY
first prize in the hotel chain



**RESIDENCE OF PRESIDENT OF RF
IN URAL FEDERAL DISTRICT**



BUSINESS CENTER PALLADIUM

GOVERNMENTAL BUILDINGS



RESIDENCE OF PRESIDENT OF RUSSIAN FEDERATION IN URAL FEDERAL DISTRICT

BMS - Design of Building management system based on **Siemens** Desigo Insight

HVAC - Design based on **Siemens** products Acvatix

Fire alarm system based on **Siemens** Cerberus Pro system

Warning notification and evacuation management system based on **Siemens** solution

CCTV - Video surveillance based on **Siemens** solution

Power distribution, electrical equipment and candlelight based on **Siemens** solutions

Management station MM8000

MULTIFUNCTIONAL TOWERS



VYSOTSKY TOWER. The tallest tower in the North (acc. to GUINNESS Book)
H-188m 54 floors

- **BMS** - Building management system based on Siemens DesigoInSight software
- **Fire alarm** system based on Siemens Cerberus Pro system
- **IACID** - Access control and Intrusion protection system
Management station Siemens MM8000



SPORTS VENUES



SMALL ICE ARENA SOCHI. Olympic venue in 2014

Capacity: 7 thousand seats Total area -22 870 m

- **BMS** - Building management system based on Siemens DesigoInSight software
- **Fire alarm** system based on Siemens Cerberus Pro system
- **IACID** - Access control and Intrusion protection system
Management station Siemens MM8000



HOTELS

HYATT REGENCY EKATERINBURG

Total area -34 000 m²
20 floors



- **FIRE ALARM** system based on Siemens Sinova
- **IACID** - Access control and Intrusion protection system
- **CCTV** - Video surveillance Management station MM8000



HOTEL NOVOTEL YEKATERINBURG

Total area -12 000 m²
10 floors



- **BMS** - Building management system based on Siemens DesigoInSight
- **Power distribution**, electrical equipment and candlelight based on Siemens solutions Management station DesigoInSight



BUSINESS CENTERS



COMMERCIAL AND HOTEL COMPLEX MAGELLAN. HEADQUARTERS of oil company ROSNEFT

Total area -100 000 m²

- **BMS** - Building management system based on Siemens DesigoIn sight software
- **Fire alarm** system based on Siemens Cerberus Pro system
- **Gas fire extinguishing system** based on Siemens Cerberus Pro X10 system
- **IACID** - Access control and Intrusion protection system
- **Warning** notification and evacuation management system based on TOA solution
- **Power distribution**, electrical equipment and candlelight based on Siemens solutions
Management station MM8000



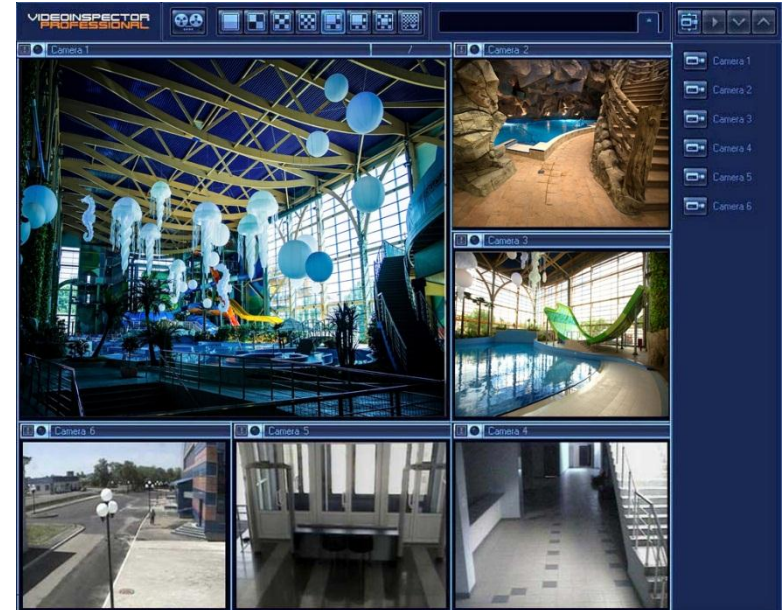
ENTERTAINMENT FACILITIES



WATERPARK ROSTOV-ON-DON

Total area -22 000 m²

- **BMS** - Building management system based on Siemens DesigoInSight software
- **Fire alarm** system based on Siemens Cerberus Pro system
- **Warning** notification and evacuation management system based on TOA solution
- **CCTV** - Video surveillance
- **Power distribution**, electrical equipment and candlelight based on Siemens solutions
Management station MM8000



Air-freight terminal, KOLTSOVO Ekaterinburg

Total area -19 185 m²



- **BMS** - Building management system based on Siemens Design Insight software
- **HVAC management** systems based on Siemens solutions
- **CCTV** - Video surveillance Management station Design Insight

Air Terminal ROSHCHINO Tyumen

Total area -15 000 m²



- **BMS** - Building management system based on Siemens Design Insight software
- **HVAC management** systems based on Siemens solutions
- **Fire alarm** system based on Siemens Cerberus Pro system
- **Automatic Fire Suppression** based on Siemens Cerberus Pro X10 system
- **IACID** - Access control and Intrusion protection system
- **Warning** notification and evacuation management system based on TOA solution
- **Power distribution, Automatic Lighting Management System**, electrical equipment and candlelight based on Siemens solutions Management station Siemens Cerberus Pro, MM8000

SUPERMARKETS



- **BMS** - Building management system based on Siemens Desigo Insight software
- Heating control
- Management of supply and exhaust ventilation
- Air-conditioned Management
- Management of air curtains
- The distribution and metering of electricity
- Outdoor Lighting Control
- Fan control and valves fire protection
- Flame retardant Management
- Warning system and evacuation management



Интеллектуальная инфраструктура



