

Mission: We modernize and develop economy, increase quality of life and safety of people through implementation of advanced intelligent solutions into industry and infrastructure.

AVATRI - Technopark-Automation Group company

ADVANCED INTELLIGENT INFRASTRUCTURE & INDUSTRY



VALUE ADDED RESELLER

SIEMENS

Schneider Electric **Honeywell**

BOSCH **Panasonic**

Danfoss **CAREL**

PHOENIX CONTACT **ABB**

LAPP KABEL **RITTAL**

- Components for integrated automation
- Electronic and electrical equipment
- Switchboard equipment
- Wires and cables



SYSTEM AUTOMATION



- Building technologies
- Industry automation
- Power distribution
- Manufacturing of panels and cubicles for automation and power distribution

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ENGINEERING

Integrated approach to engineering of Integrated Intelligent Building Systems can save up to 50% of design costs due to zero-costs for coordination of interfaces between systems as well as between schematic and detailed design stages. Integrated Intelligent Building Systems allow you to provide efficient power consumption management and thus reduce costs for provision and approval of connections to the power supply companies by 30%.

PROCUREMENT

Implementation of Intelligent Building Systems increases the overall costs of equipment only by 5-7% of the total cost of process equipment, and it results in average of 20€ per 1m² area of the building.

MAINTENANCE

Intelligent building automation systems can save: in hospitals – 18%, in hotels - 25%, in houses - 27%, in restaurants - 31%, in schools - 34%, in offices - 39%, in shopping centers - 41%. Intelligent control systems allow you to achieve the maximum level of comfort and security in accordance with the investor's objectives and thus increase the value of the property at lower costs for construction and operation!

BUILDING MANAGEMENT SYSTEMS

MONITORING



Remote monitoring and scheduling station for technical operations and preventive maintenance



Remote station for processing of commercial data



Remote station for data acquisition and processing for security services



Remote IT services



Automatic control and scheduling system for electric power supply



Automatic system for energy management and accounting



Automatic system for control and scheduling of building utilities



Automatic system for movement control



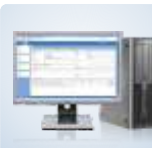
Monitoring and scheduling station for fire-fighting systems



Monitoring and scheduling station for security systems



Monitoring and scheduling station for video-surveillance systems



Special billing systems

MANAGEMENT



Industrial Ethernet BUILDING ELECTRIC NETWORKS

Power equipment



Medium voltage distribution systems 6-35 kW



Electricity transformers



Busbar trunking system



Low-voltage switchgear 0.4kV

PROFIBUS



Equipment Grounding and lightning protection



Uninterrupted power source

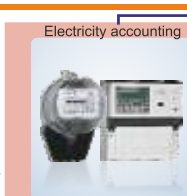


Diesel generator

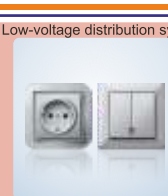


Main switchboard 0.4 kW

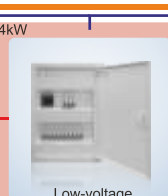
LONMARK



Electricity accounting



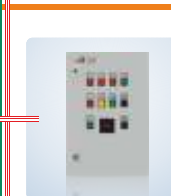
Low-voltage distribution systems 0.4kV



Cable systems

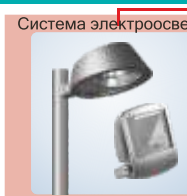


Low-voltage distribution panels

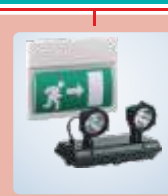


Distribution panels

KONNEX



Система электроосвещения



Exterior architectural lighting



Emergency lighting



Interior working lights



Low-voltage distribution systems

HVAC MANAGEMENT

Ventilation system



General ventilation system



Smoke removal system



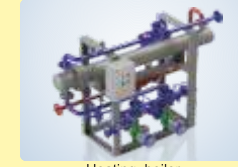
Fire dampers

Air conditioning system



Chillers, fancoils

Heating system



Heating, boiler



Commercial metering of heating

Water supply and sewerage



Cold and hot water

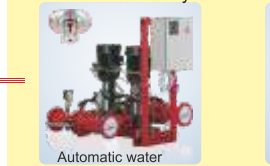


Sewerage system of household, industrial and stormwater



Commercial metering of water

Mechanical fire systems



Automatic water extinguishing system



Gas and powder extinguishing system



Fire water system

MOVEMENT SYSTEM



Lifts



Escalators

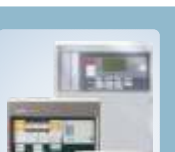


Traffic control

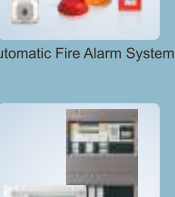


Barriers

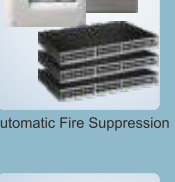
FIRE SAFETY



Automatic Fire Alarm System

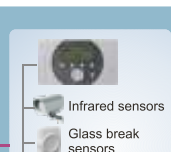


Automatic Fire Suppression



Annunciation And Evacuation Alarm System

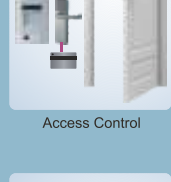
ACCESS CONTROL



Security Management System



Access Control



CCTV

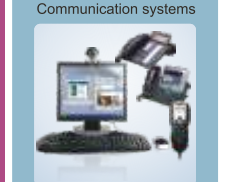
INFORMATION TECHNOLOGIES AND TELECOMMUNICATION



Data center



Local computing network



Communication systems



Telephone, radio conferencing

EPC / EPCM Engineering, Procurement, Construction, Management

ENGINEERING

- Search of rational reliable solutions with optimal price, quality and time-schedules.
- Use of modern computer-aided design systems.
- Getting approvals for engineering results and obtaining the necessary certificates.

PROCUREMENT

- Selection of suppliers on a competitive basis.
- Selection of the best equipment and materials.
- Control of delivery dates.
- Harmonization of the specific warranty terms from vendors.
- Supply of key components and equipment from the own warehouse

PRODUCTION

- Automation panels
- Control panels
- Power distribution panels
- Workstations
- Hardware tests on test benches.

CONSTRUCTION

- Installation of cables and wires.
- Arrangement of internal utility networks, systems and equipment.
- Installation of equipment and cabinets.

COMMISSIONING AND START-UP

- Integrated commissioning of process equipment
- Tuning of software for local control loops and control facilities
- Tuning of equipment under the "load"
- Tuning of optimal algorithms for utilities and intelligent building management systems.
- Complex tests.
- Training.
- Getting acceptance certificates from supervisory authorities.

MANAGEMENT

- Implementation of Service Regulations (TR).
- Scheduling of preventive maintenance (PPR).
- Execution of emergency operations.
- Remote facility monitoring.
- Consulting and training of operation and security staff.

INTELLIGENT INFRASTRUCTURE



Trade Fair Grounds EXPOGRAD YUG



UNIVERSITETSKY TECHNOPARK - a complex of office buildings



LUXURY HOUSE TIHVIN, 8-11 floors



LUXURY HOUSE MECHTA



HOTEL NOVOTEL
10 floors S=12 000 m²



ENGINEERING BUILDING UMMC



RESIDENCE OF PRESIDENT OF RUSSIAN FEDERATION
In Ural Federal District



BUSINESS CENTER PRESIDENT
20 floors S = 33 000 m²



IRAN MALL, Tehran, Iran Total area -1 950 000 m² 650 shops
2 Hotels 5stars, Ice rink, Lake, Car Parking places: 40 000



BUSINESS CENTER
HEADQUARTERS of Sberbank Bank - the biggest Bank in Russia



WATERPARK ROSTOV-ON-DON
Total area - 22 000 m²



COMMERCIAL AND HOTEL COMPLEX MAGELLAN
HEADQUARTERS of oil company ROSNEFT S = 100 000 m²



VYSOTSKY TOWER H=188m 54 floors S=120 000 m²
The tallest tower in the North (acc. to GUINNESS Book)



BUSINESS CENTER CHELYABINSK-CITY
26 floors S = 34 000 m²



Multifunctional center ORUZHEYNY Moscow
H=165 m 27 floors



BUSINESS CENTER PALLADIUM, Ekaterinburg
20 floors S=22 000 m²



ICE ARENA SOCHI. Olympic venue in 2014
Capacity: 7 thousand seats Total area - 22 870 m²



Air-freight terminal, KOLTSOVO Ekaterinburg
Total area -19 185 m²



Air Terminal ROSHCHINO Tumen
Total area -15 000 m²



Office and production complex, EMERSON PROCESS
MANAGEMENT & METRAN S = 30 000 m²



Multi-temperature warehouse complex «ADYGEYA-1» S= 47 000 m²,
X5 Retail Group



HYATT REGENCY HOTEL, Ekaterinburg S=34 000 m²
first prize in the hotel chain



HOTEL HANOI
9 floors S=20 000 m²



BUSINESS CENTER PROFIT



MAGNIT – the biggest retailer in Russia
Hypermarkets - 26, Distribution centers - 5



PARK INN HOTEL



COMMERCIAL AND HOTEL COMPLEX ALLIANCE
S = 28 000 m²



FOOTBALL ARENA URALMASH



SHOPPING AREA STOCKMANN