

design
assembly
installation
testing
start up
implementation
INTEGRATION



CASE STUDIES

VEHICLES & PEDESTRIANS

Time Attendance & Access Control Systems

Video Surveillance Systems

Alarm Systems

GPS Tracking / GPRS / SMS Alarm monitoring & Control

TURN KEY SOLUTIONS

Car Parking Lots

BUS Stations

Intelligent HOTEL rooms



www.aspekt.rs



INSALLATION SITE:
NESTLÉ ICE CREAM SRBIJA d.o.o.

CONTRACTOR & SUPPLIERS
ASPEKT System Integration d.o.o. is
 authorized (Serbia) distributor and installer
 for following companies:

<http://row.automatic-systems.com>
<http://www.3gtrack.com>
<http://www.eryma.com>

ASPEKT
 system integration d.o.o.

Our motto is:
 Nothing is permanent, except change! Heraclites 490b.c.

www.aspektdoo.com

Brief introduction:

The goal of Security Optimization Program, related to NESTLÉ ICE CREAM SRBIJA d.o.o. site located in Belgrade, Serbia was to improve security level and to decrease overall costs.

Mr. Stergiopoulos Konstantinos, Regional Security Manager and Mr. Mihailo Milovanovic, Factory engineering manager have brilliant vision how to define project requirements and were very enthusiastic to support project implementation.

PROJECT Requirements

- Perimeter barriers at Main Gate
- Full Height Turnstile & Access Control
- CCTV & ALARM system
- GPS/GPRS Tracking & Temperature alarm monitoring for Ice Cream delivery Trucks



CASE STUDY

SOLUTIONS

Vehicle & Pedestrian

Automatic Systems a subsidiary of the IER Group, as one of the world leaders for automated control equipment for pedestrian and vehicle entrances is recognized as preferred supplier for Perimeter barriers and Full-Height Turnstile. Implemented are BL229 barriers and TR372 Full-Height Turnstile.

Access Control System is based on integration of **ERYMA** software, the badge technology MIFARE DESFire EV1/8KB, barriers and full-Height Turnstile as well.

CCTV & Alarm equipment is **SAMSUNG** and **PARADOX**.

Sensitive requirement, GPS tracking and Temperature alarm monitoring, related to all Ice Cream delivery trucks, was done with 3gtrack equipment. Device GS902 and Premium software Server has fulfill all defined requirements.

General System Integrator was **ASPEKT System Integration d.o.o.** company.

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INSALLATION SITE:

SP LASTA a.d,
BUS station "AVALA", Belrade, Serbia
<http://www.lasta.rs/english>

CONTRACTOR & SUPPLIERS

ASPEKT System Integration d.o.o. is
 authorized (Serbia) distributor and installer
 for following companies:

<http://row.automatic-systems.com>

<http://www.stagnoli.com>

<http://www.safesky.cn>

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Brief introduction:

The goal of Humane Resource Optimization Program, related to SP LASTA a.d. company located in Belgrade, Serbia was to reduce overall costs at BUS Station " AVALA" located at Belgrade. BUS Station "AVALA" is second biggest BUS Station in Serbia.

Mr. Nenad Jevtic, Financial Director and Mr. Miroslav Stojimirovic, Deputy director have brilliant vision how to define project requirements and were very enthusiastic to support project implementation.

PROJECT Requirements

- Perimeter barriers for
 - Entrance 1 (arrivals)
 - Entrance 2 to BUS platforms (departures)
 - Exit 1 for city tours
 - Exit 2 for long distance tours
- Monitoring & Control Centre (M&CC)
- Full automated operation for all barriers from M&CC
- Buck-up M&CC
- Automatic Recording of all arrivals & departures
- IP CCTV system integrated to barriers
- Each opening or of closing barriers is recorded
- Each BUS "snap shot" is recorded to data base
- One Integrated software solution e-BUS

CASE STUDY

SOLUTIONS

Barriers: Automatic Systems a subsidiary of the IER Group, as one of the world leaders for automated control equipment for pedestrian and vehicle entrances is recognized as preferred supplier for Perimeter barriers. Implemented are BL229 barriers.

Traffic lights were done with STAGNOLI T.G. S.r.L. products.

Automation was done with FATEK PLCs provided by local supplier FOX electronics d.o.o.

IP CCTV System was based on SafeSky equipment.

General System Integrator ASPEKT System Integration D.o.o. Company has assembled, installed tested and started up all equipment and developed and implemented all necessary software solutions.

Pozeska 67a, Belgrade, Serbia

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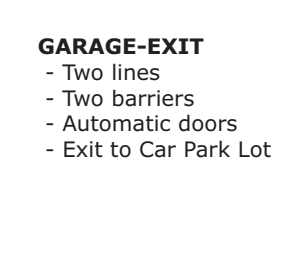
office@aspekt.rs

www.aspekt.rs



GARAGE-ENTRANCE

- Two lines
- Two barriers
- Automatic doors
- Access (ID Card)



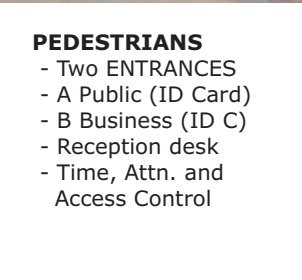
GARAGE-EXIT

- Two lines
- Two barriers
- Automatic doors
- Exit to Car Park Lot



CAR PARK LOT

- Entrance (ID Card)
- Exit (ID Card)
- Remote control from Monitoring Center
 - Manual
 - Automatically



PEDESTRIANS

- Two ENTRANCES
- A Public (ID Card)
- B Business (ID C)
- Reception desk
- Time, Attn. and Access Control



Brief introduction:

The goal of NCA Consulting company Project, related to new business buildings (17000 square meters), located in Belgrade Serbia, was to have full Time, Attendance & Access Control System for both vehicles and pedestrians, in order to achieve high security level.

NCA Consulting engineers Mr. Miljan Djordjevic and Ljuban Milosevic have brilliant vision how to define project requirements and were very enthusiastic to support project implementation.

PROJECT Requirements

- Two Entrance for Garage (contact less card)
- One Exit from Garage to Car Park Lot
- One Entrance / Exit to Car Parking Lot (contact less card)
- Public Pedestrians Security Entrance/Exit lines
- Business Pedestrians Security Entrance/Exit
- Reception desk
- Access Control system for all floors and basement as well
- IP CCTV system integrated to access control system
- Monitoring & Control Center
- One ID Card for all

INSTALLATION SITE:

WestEnd business building, Belgrade

CONTRACTOR & SUPPLIERS

ASPEKT System Integration d.o.o. is authorized (Serbia) distributor and installer for following companies:

<http://row.automatic-systems.com>

<http://www.anviz.com>

<http://www.safesky.cn.com>

CASE STUDY

SOLUTIONS

Barriers: CAME, Italy, model G4N provided by local NICE S.p.A. distributor for Serbia
www.flash-as.co.rs

Integrated Time, Attn. and Access Control system was done with ANVIZ equipment, AMJ 1001-1004 (TCP/IP) net controllers, CRF 122 RFID proxy readers and ASPEKT developed software.

Automation was done with FATEK PLCs provided by local supplier FOX electronics d.o.o.

IP CCTV System was based on SafeSky equipment.

General System Integrator ASPEKT System Integration d.o.o. Company has assembled, installed tested and started up all equipment and developed and implemented all necessary software solutions.

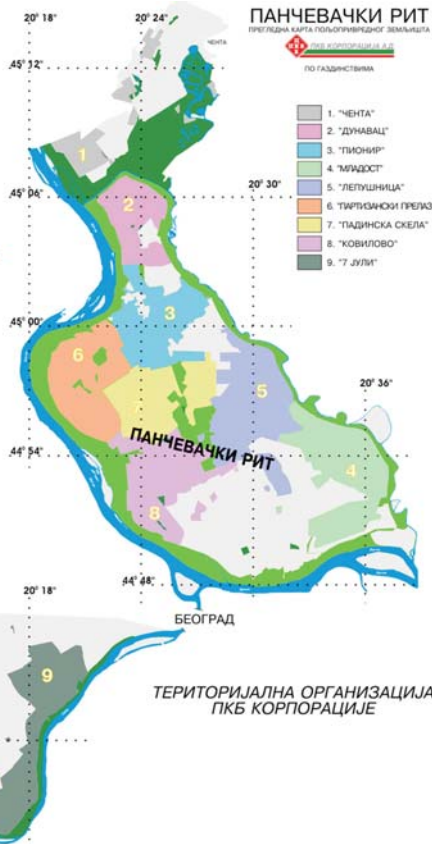
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CONTRACTOR & SUPPLIERS

ASPEKT System Integration d.o.o.

<http://www.aspektdoo.com>

АСПЕКТ
system integration d.o.o.

ANVIZ
BIOMETRIC TECH

Anviz Biometric

<http://www.anviz.com>

Brief introduction:

The **PKB Agricultural Corporation "Beograd"** a.d. located near the Belgrade is the biggest agricultural production company in Serbia. It has many remote branches shown at the map. The goal of the project, was improvement of existing Time, Attendance and Access Control System in order PKB Head Quarter and all remote sites, to be integrated at centralized Monitoring Center, with idea all time and attendance data to be integrated to Payroll application and overall costs related to that activities to be significantly reduces.

Mr. Branko Mladjenovic IT CEO, and IT engineers Mr. Dragan Obradinovic and Mrs. Snežna Stajić, have brilliant vision how to define project requirements and were very enthusiastic to support project implementation.

PROJECT Requirements

- Improvement of existing Time, Attn. & Access Control System
- Integration of all sites to Monitoring Center
- Connection and data download via Intranet, Internet and Manual (USB)
- Bridging to existing Payroll application

INSTALLATION SITE:

PKB Agricultural Corporation "Belgrade"
A.D. Padinska Skela, Serbia

www.pkb-rs.com



CASE STUDY

SOLUTIONS

Time, Attn. & Access Control system

AVIZ as one of the pioneers for biometric & RFID identification industrial development, and as high tech enterprise integrating R&D of core technology, professional manufacture and global marketing is recognized as preferred supplier for equipment. Implemented are **OA200 (34pcs)** Data terminals for PKB Head Quarters and all remote branches.

According to the available infrastructure, downloading data is gong via Intranet, Internet and manually (USB disk).

Bridging to PKB Payroll application is done locally by PKB IT Department.

General System

Integrator was ASPEKT System Integration d.o.o. company. www.aspekt.rs

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