



CORPORATE
PRESENTATION





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>> COMPANY PROFILE

AITEK IS ALL ABOUT INNOVATIVE TECHNOLOGICAL SOLUTIONS. WE DESIGN INTELLIGENT SYSTEMS FOR TRANSPORTATION AND SECURITY, AND DEVELOP SOFTWARE APPLICATIONS BASED ON STATE-OF-THE-ART DIGITAL TECHNOLOGIES.

Our portfolio of products supports any Aitek solution – the result of 30+ years of major contracting and on-going commitment to leading technology.

A wide range of fully-integrated, custom-made solutions takes you through each step of your project, from design to commissioning. We ensure that each new project integrates with your IT infrastructure and help you choose the hardware to fully take advantage of Aitek's software performance.

Reliability, integration and customization are key to all our solutions: reliability draws on state-of-the-art technology, integration works with third-party IT applications, customization makes for meeting tailored user needs.

Here's why Aitek is your ideal technology partner to meet together the challenges of an increasingly competitive market.



OUR MILESTONES

- 1986 - JUNE 6TH, AITEK S.R.L. IS ESTABLISHED IN GENOA.
- 1991 - AITEK BECOMES PRIME CONTRACTOR FOR THE ESPRIT II P5363 GLAD-IN-ART EUROPEAN RESEARCH PROJECT.
- 1994 - AITEK BECOMES PRIME SUPPLIER OF AUTOSTRADE PER L'ITALIA (ITALIAN MOTORWAYS OPERATOR).
- 1995 - AITEK ENTERS THE SECURITY AND VIDEO SURVEILLANCE MARKET WITH THE AIVU PLATFORM.
- 1997 - AITEK IS GRANTED THE RADIATION-SENSITIVE MEANS OR SENSOR IN RETINA-LIKE CONFIGURATION EUROPEAN PATENT.
- 1998 - AITEK DEVELOPS ITS OWN QUALITY MANAGEMENT SYSTEM WHICH IS GRANTED ISO 9001 CERTIFICATION.
- 1999 - AITEK IS AWARDED THE EUROPEAN IST PRIZE FOR THE GIOTTO PROJECT: A RETINA-LIKE SPACE VARIANT GEOMETRY CMOS DIGITAL VIDEO-CAMERA.
- 2001 - AITEK BECOMES A JOINT STOCK COMPANY.
- 2003 - AITEK'S OPERATIVE BRANCH IN SAVONA IS INAUGURATED.
- 2004 - AITEK IS GRANTED THE "QUALITÀ DEL LAVORO" (LABOUR QUALITY) PRIZE BY THE EUROPEAN SOCIAL FUND, THE ITALIAN MINISTRY OF LABOUR AND LIGURIA REGION.
- 2005 - AITEK ENTERS THE MULTIMEDIA MARKET WITH THE TVIP DIGITAL PLATFORM.
- 2006 - AITEK FILES AN INTERNATIONAL PATENT FOR THE RANGER VEHICLE SAFETY DISTANCE MEASUREMENT SYSTEM.
- 2010 - AITEK GROWS AND EXPANDS ITS FINE PREMISES OF MORE THAN 1000 SQM.
- 2011 - AITEK DEVELOPS THE SESAMO-GATE SOLUTION FOR THE AUTOMATED TRANSIT CONTROL AT ROADWAY AND RAILWAY GATES.
- 2013 - AITEK BV CONSULTING IS ESTABLISHED IN THE NETHERLANDS.
- 2015 - AITEK IS ONE OF THE FIRST ITALIAN COMPANIES TO BE AWARDED THE QUALIFICATION OF INNOVATIVE SME.
- 2016 - REGISTRATION AT SIAE (ITALIAN PUBLISHERS ASSOCIATION) OF THE AIVU, SESAMO AND TVIP SOFTWARE PRODUCTS.
- 2017 - AITEK FILES A PATENT FOR "SYSTEM AND METHOD FOR TICKET GENERATION AND AUTHENTICATION USING ANTI-COUNTERFEITING QR CODES".
- TODAY - TO BE CONTINUED...



>> TRANSPORT

INCREASED ROAD TRAFFIC CREATES GREATER CHALLENGES FOR NETWORK OPERATORS. WITH ROAD AND TOLLWAY SECURITY AS A MUST, AUTOMATED TRAFFIC MANAGEMENT SOLUTIONS ARE CRUCIAL.

Sesamo is the software platform for the “intelligent” management of transportation systems, perfectly suited for numerous application scenarios.

Sesamo brings together state-of-the-art data acquisition, image processing technology and ITS-specific know-how to offer advanced tolling, traffic monitoring and transit management solutions.



APPLICATION FIELDS

TOLLING

For highway concessionaires, toll collection is the most important task. This is why employing reliable tools capable of automating transit procedures at entry and exit gates is essential.

Aitek's solutions originate from skills acquired in over 25 years of expertise: tested features for the complete management of all toll collection procedures, from the complete management of payment procedures to central data processing.

VIDEO MONITORING

Fully monitored road and motorway networks depend on "smart", reliable video-surveillance applications. Aitek provides solutions for the complete control of extended road networks, integrated with advanced video analytics features allowing to detect in real time critical events or events dangerous to security and to collect statistics for traffic flow analysis.

PROCESS AUTOMATION

Aitek develops supervisory and control applications for the centralized and integrated management of one or more sites (toll collection systems, video surveillance, information systems for traffic control, etc.)

Sesamo-Upview is a cost-effective solution that integrates into any IT infrastructure by operating between information systems and end-devices. It is an open platform employing standard internet technology and IoT protocols to acquire status information from end devices and increase their efficiency according to implemented system logics.

TICKETING

Aitek has developed an innovative solution for the real-time check and validation of "dematerialized" tickets allowing railway and subway passengers to pass through turnstiles using their smartphones.

ON-BOARD SECURITY AND PASSENGER INFORMATION

AiVu-Mobile is an innovative solution for bus, taxi, rail and subway companies wishing to enhance travel quality and offer functionalities that go well beyond basic transportation.

AiVu-Mobile allows to increase security thanks to on-board video surveillance, while optionally providing advanced services such as service information, entertainment and advertisement on on-board displays and WiFi connectivity.



>> GATE AUTOMATION

CURRENTLY MANY CHECKS AT ACCESS GATES REQUIRE THE PRESENCE OF PERSONNEL AND THIS NEGATIVELY AFFECTS THE EFFICIENCY OF CONTROL PROCEDURES (INCREASED TIME DURATION, NOT ALWAYS RELIABLE INSPECTIONS).

The Sesamo platform developed by Aitek offers a wide range of functionalities for the automatic management of road/rail access gates, offering custom solutions that can be specifically tailored to the operational needs and physical constraints of your gates.

Sesamo uses well-proven, state-of-the-art technology for the remote management of transit procedures, automatic plate acquisition and code identification, and high accuracy inspections and measurement operations.



∨ ∨ SESAMO-GATE

SESAMO-GATE IS THE IDEAL SOLUTION FOR THE MANAGEMENT OF CONTROL PROCEDURES FOR VEHICLES AND CONVOYS ENTERING AND EXITING ROAD AND RAILWAY GATES IN PORT AND FREIGHT TERMINALS.

Digital video technology allows customized solutions for the automation and remote management of the transit procedure of vehicles, containers and goods, and the real-time acquisition of vehicle/trailer license plates, ISO 6346, ILU, UIC, ADR codes, shape and dimensions of vehicles in transit and HD images for container integrity verification.

That's why Sesamo-Gate is the most referenced gate automation solution in Italian ports and dry ports.





>> SECURITY

AITEK HAS FOCUSED ITS EXPERTISE ON APPLICATIONS BASED ON VIDEO SURVEILLANCE AND VIDEO ANALYTICS, THANKS TO PARTNERSHIPS WITH INDUSTRY-LEADING COMPANIES AND TO THE DEVELOPMENT OF HIGHLY-PROFESSIONAL SOLUTIONS FOR A WIDE RANGE OF MARKETS

Aitek has developed AiVu, an IP video surveillance software platform designed for large-scale security applications requiring reliability and high performance standards.

Besides video surveillance, AiVu provides an innovative suite of video analytics modules for the real-time detection of a wide range of events capable of affecting the security of monitored areas and related to people, objects or vehicles.

Very often video systems are “subsystems” of other, more complex applications. AiVu provides system integrators with all the tools required to export video security features in third-party supervisory applications, such as platforms for road or railway traffic monitoring, SCADA, access control systems, etc.



APPLICATION FIELDS

CITY SURVEILLANCE

Aitek provides Public Administration Bodies and Police Forces with a wide range of solutions for 24/7 access to footage from surveillance cameras in public buildings, town squares, roads and parks.

ROAD TRAFFIC

Control centers can easily manage hundreds of video cameras monitoring traffic. In addition to video surveillance, AiVu solutions provide several features allowing an efficient control of road networks, such as video analytics, dynamic video wall control and integration with “mobile” video systems on board service vehicles.

PORTS AND DRY PORTS

In port terminals the real-time detection of events or scenarios which may represent a threat to the security of operating areas is crucial. AiVu addresses your port security requirements through HD video-surveillance of quays, access gates, perimeter areas, buildings, warehouses, loading docks and parking lots.

RAILWAYS AND SUBWAYS

Aitek offers a wide range of customizable rail transportation solutions that include video-surveillance integrated with “smart” video-analytics functionalities. AiVu solutions provide security staff with full control over the entire rail network and can be fully integrated with rail traffic management systems.

RETAIL

The AiVu video-security platform is the ideal solution for the efficient and secure management of large department stores or shopping centers. Our well-proven, custom video-management solutions help you gain full control over sales-areas, warehouses, restricted areas and more. In order to protect sale-areas and support your business to the fullest, a wide range of video-analytics functionalities integrate AiVu video-security platform.

BANKS

AiVu provides specific video surveillance solutions for banking scenarios which can be integrated with anti-intrusion systems and with Aitek’s own video analytics platform, therefore guaranteeing complete, around-the-clock control and the real-time detection of events which may occur in the proximity of the branch, near the ATMs and in indoor areas (full-height turnstiles, counters, vaults).

ON-BOARD SECURITY AND PASSENGER INFORMATION

AiVu-Mobile is the innovative solution for safety on board public transport, integrating video surveillance with Passenger Information applications displaying service information and advertisement on on-board displays. This newly-designed tool helps you turn your investment in security into profit from ad. sales.

CRITICAL INFRASTRUCTURES

Aitek offers a wealth of solutions meant for critical infrastructures such as industrial production facilities, power-generation plants, military sites, etc. Our wide range of functionalities ensure full control of any production site, even the largest, most dangerous or most difficult to access.

>> MULTIMEDIA

TVIP IS AITEK'S DIGITAL SIGNAGE PLATFORM FOR DYNAMIC COMMUNICATION AND EFFECTIVE ADVERTISING, SERVICE INFORMATION AND NEWS FLASHES IN HIGHLY ATTENDED LOCATIONS, SUCH AS STORES, SHOPPING MALLS, RAIL STATIONS, AIR TERMINALS, MUSEUMS, ETC.

TVIP distributes multimedia content and interactive applications via any display format, touch screen, video-wall and digital totem, best suited for the management of digital communication networks able to supply constantly updated information.

TVIP brings together user-friendly scheduling tools and powerful framework control for secure and reliable real-time broadcasting of information and content that can be disseminated according to location and timing.



>> WEB APPLICATIONS

THE DEVELOPMENT OF WEB APPLICATIONS HAS BEEN FOR YEARS ONE OF AITEK'S CORE BUSINESSES. EVER ADVANCED SOLUTIONS, GUARANTEEING HIGH RELIABILITY AND PERFORMANCE STANDARDS.

Thanks to the expertise in the development of web applications on Cloud platforms and in data acquisition and processing, Aitek develops complex web applications capable of managing large volumes of data, including those related to e-commerce portals or to services requiring 24/7 accessibility.

By integrating certain services provided by the AWS (Amazon Web Services) platform, significant advantages in security, processing, data storage, monitoring and scalability are achieved.



>> RESEARCH AND DEVELOPMENT

ON AN EVER-CHANGING MARKET, THE CAPABILITY OF DELIVERING INNOVATIVE SOLUTIONS FEATURING STATE-OF-THE-ART TECHNOLOGY PROVES OUR COMPETITIVENESS AND HELPS OUR CUSTOMERS IMPROVE THEIR BUSINESS.

For this reason, since its very beginning, Aitek has been participating in national and European research projects. The Company has also joined consortiums and industrial districts promoting partnerships between SMEs, Universities and Research Organizations.

Since 2002 Aitek has been registered in the “Albo dei Laboratori di Ricerca” of the Italian Ministry of Education, University and Research, according to Art. 14 D.M. 593 of 8/8/2000 (Executive Decree nr. 1166 of 31/7/2002).



THE CHOICE OF OPERATING IN INNOVATIVE SECTORS REQUIRES CONSIDERABLE INVESTMENTS IN RESEARCH. SUCH COMMITMENT AND THE EXPERTISE ACQUIRED IN MANAGING MAJOR PROJECTS ALLOW AITEK TO ESTABLISH ITSELF AS A TECHNOLOGY ADVISOR FOR ITS CLIENT'S STRATEGIC INNOVATION PROCESSES.

OUR CUSTOMERS CAN ENTRUST AITEK WITH RESEARCH PROJECTS AND THUS TAKE ADVANTAGE OF FAR (FONDO PER LE AGEVOLAZIONI ALLA RICERCA) FUNDS TO FINANCE ORDERS OR CONTRACTS FOR RESEARCH ACTIVITIES IN THE FOLLOWING AREAS:

- * INDUSTRY RESEARCH;
- * RESEARCH AND STUDIES ON PRODUCTION PROCESSES;
- * APPLICATION OF THE RESULTS OF PREVIOUS RESEARCH;
- * TECHNICAL STAFF TRAINING;
- * EXPERIMENTAL TRIALS AND TESTS.

In 1999, in collaboration with the University of Genoa's LIRA-Lab, Aitek was awarded the prestigious IST Prize for the Giotto-Retinic Project: a retina-like space-variant geometry CMOS digital video camera for video communication on wireless networks (European Patent n. 1089342).

>> REFERENCES

ABB S.p.A.
Aesys S.p.A.
AIE - Italian Publishers Association
Almaviva S.p.A.
Amazon EU S.a.r.l.
Ansaldo STS S.p.A.
AMT S.p.A. - Genoa Public Transport
ANM S.p.A. - Naples Public Transport
ASL2 Local Health Authority - Liguria Region
ATM S.p.A. - Azienda Trasporti Milanesi - Milan Public Transport
Western Ligurian Sea Port Authority - Port of Savona - Vado Ligure
Autostrade Centropadane S.p.A. - Italian Motorways Operator
Autostrade dei Fiori S.p.A. - Italian Motorways Operator
Autostrade per l'Italia S.p.A. - Italian Motorways Operator
Autostrade Tech S.p.A.
BSI Bank S.A.
Unico Campania Consortium - Campania Region Public Transport
GEIE-TMB - Mont Blanc Tunnel
IIT - Italian Institute of Technology
Interporto di Padova S.p.A. - Padua dry port
Leonardo S.p.A.
Reefer Terminal S.p.A. - Port of Savona-Vado Ligure
SECH Terminal S.p.A. - Port of Genoa
Sinelec S.p.A.
Swarco Mizar S.p.A.
TCR S.p.A. - Ravenna Container Terminal
Tecnositaf S.p.A.
Thales Italia S.p.A.
Vienord S.r.l. - FNM Group - Northern Italian Railway Company
Vitrociset S.p.A.
Voltri Terminal Europa S.p.A. - Port of Genoa



>> SHAREHOLDINGS



Aitek Bv Consulting
EINDHOVEN (THE NETHERLANDS)



Agora Sa
LISBON (PORTUGAL)



Log@sea Logistics and maritime solutions
GENOA (ITALY), BRUXELLES (BELGIUM)



Nextage Srl
GENOA (ITALY)



Surgiq Srl
GENOA (ITALY)