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>> COMPANY PROFILE

SINCE 1986, 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 35+ years of major contracting and on-going commitment to leading technology.

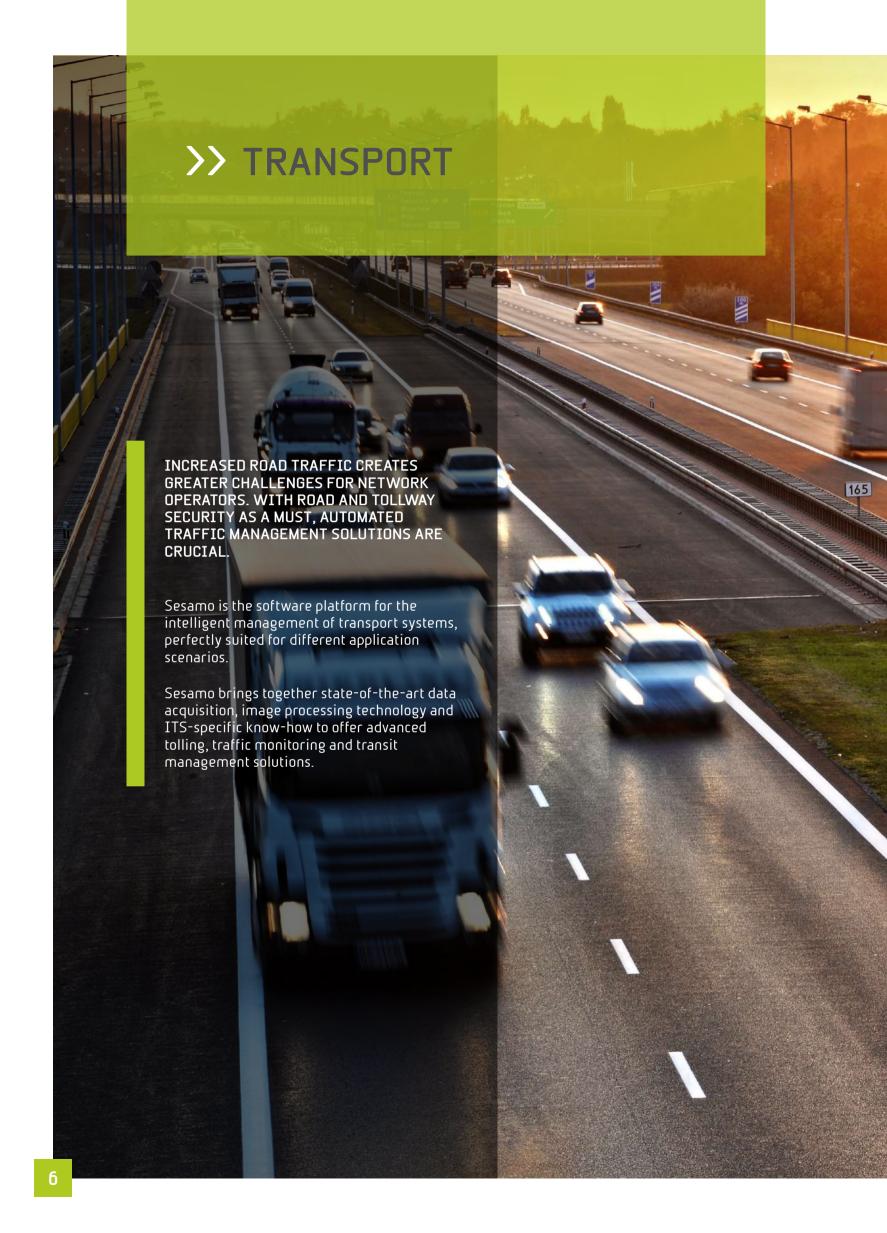
Artificial intelligence, machine learning, data engineering, microservices, containers, cloud computing: Aitek provides its know-how in selecting the most advanced technologies that best meet any operational need. This is why we support our customers step by step, from the design, to integration in their IT infrastructure, up to production.

Today, cybersecurity is a fundamental aspect of any project. Following the security-by-design approach, Aitek solutions are designed from the beginning to be inherently secure: an innovative software development methodology, thanks to which all our systems are protected from any unexpected attacks and vulnerabilities.

Reliability, integration and customization are our watchwords. All our solutions respect them: 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 DIRECT SUPPLIER OF AUTOSTRADE S.P.A. (ITALIAN MOTORWAYS OPERATOR)
- 1995 AITEK ENTERS THE SECURITY AND VIDEO SURVEILLANCE MARKET WITH ITS OWN "AIVU" SOFTWARE 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 ISO9001 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 ITS OWN "TVIP" DIGITAL SIGNAGE 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.
- 2014 CIRCLE S.P.A. AND AITEK S.P.A. CREATE THE LOG@SEA BUSINESS NETWORK LOGISTICS AND MARITIME SOLUTIONS
- 2015 AITEK IS ONE OF THE FIRST ITALIAN COMPANIES TO BE AWARDED THE QUALIFICATION OF "INNOVATIVE SME" BY THE ITALIAN MINISTRY OF ECONOMIC DEVELOPMENT
- **2016** THE "AIVU", "SESAMO" AND "TVIP" SOFTWARE PRODUCTS ARE REGISTERED AT SIAE (ITALIAN SOCIETY OF AUTHORS AND PUBLISHERS)
- **2017** AITEK FILES A PATENT APPLICATION FOR ITS "SYSTEM AND METHOD FOR TICKET GENERATION AND AUTHENTICATION USING ANTI-COUNTERFEITING BARCODES".
- **2020** AITEK ACQUIRES CIRCLE GARAGE S.R.L., A SPIN-OFF OF THE ITALIAN INSTITUTE OF TECHNOLOGY
- **TODAY TO BE CONTINUED...**









APPLICATION FIELDS

TOLL SYSTEMS

For motorway companies, 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 30 years of expertise: tested features for the complete management of all toll collection procedures, from payment procedures to central data processing.

VIDEO MONITORING

The complete control of a motorway, a port, a railway or subway network cannot do without a reliable and "intelligent" video system. Aitek provides solutions that satisfy all the typical needs of a high-level video surveillance system, integrated with video analysis applications for the real-time detection of events relating to people, vehicles or objects within the monitored areas. A wide range of algorithms, developed employing advanced Artificial Intelligence and Deep Learning techniques, allows to detect with the utmost reliability events and behaviors that may represent a threat to the security of people, goods and infrastructure.

E-TICKETING AND DIGITAL PAYMENTS

In a large city, promoting sustainable mobility also means improving the usability of public transport. Employing new technologies allows not only to create modern, efficient and safe infrastructure, but also to provide services in line with the new habits and expectations of users. Aitek develops software applications for real-time verification and validation of "dematerialized" travel tickets in the form of QR codes and for payment of travel tickets via EMV contactless bank cards, that allow rail and subway passengers to cross the turnstiles with a simple tap of their smartphone or credit card.

ON-BOARD SECURITY AND PASSENGER INFORMATION

To improve the quality of travel and provide features that go well beyond the basic transport service, Aitek has developed AiVu-Mobile, an innovative solution designed for bus, taxi, rail and subway companies. AiVu-Mobile enhances security thanks to on-board video surveillance, while optionally providing advanced services such as service information, entertainment and advertisement on onboard displays and WiFi connectivity.





SESAMO-GATE IS AITEK'S SOFTWARE PLATFORM FOR THE AUTOMATED MANAGEMENT OF VEHICLE, GOODS AND PEOPLE TRANSITS AT ROAD AND RAIL ACCESS GATES, CHOSEN BY NEXT-GENERATION PORTS AND LOGISTIC HUBS.

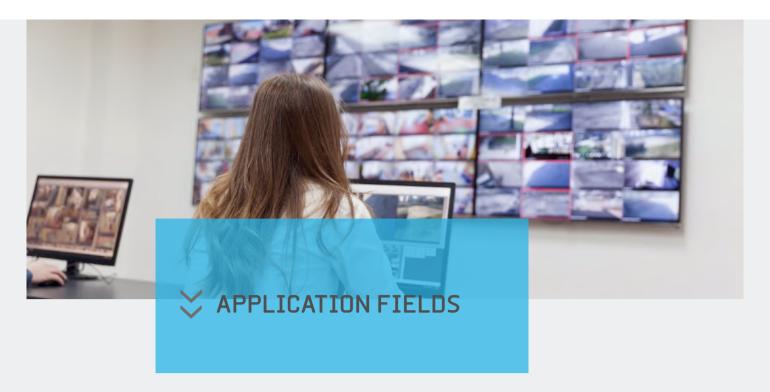
The combined use of cameras, laser scanners, sensors and interfaces allows the automation of control processes carried out at the gate lanes and the real-time acquisition of vehicle/ trailer license plates, ISO6346, ILU, UIC and Kemler-ONU codes, shape and dimensions of vehicles, HD images of transits for load integrity verification.

All the acquired information is managed by Sesamo-GOS, the Gate Operating System that communicates with information systems such as PCS and TOS to allow the display on a single interface of data and associated images of each transit. To better integrate with the Customer's IT infrastructure, Sesamo-GOS can be implemented within cloud-based architectures or it can be provided in SaaS (Software-as-a-Service) mode.

But that's not all: Sesamo-Gate provides a number of features for the control of railway gates and the real-time acquisition of ID codes of containers and wagons in transit. A unique solution in the Italian market, already widely tested in important port and industrial operating scenarios.







RAILWAYS AND SUBWAYS

Aitek offers a wide range of customizable rail transportation solutions that include video-surveillance integrated with "smart" video-analytics functionalities. The many software modules allow to design highly-personalized solutions which simplify the management of video security systems monitoring an entire rail network.

PORTS AND INLAND 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.

ROAD TRAFFIC

Highway 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.

CITY SURVEILLANCE

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

BANKS

AiVu provides specific video surveillance solutions for banking scenarios which can be integrated with antiintrusion systems and with Aitek's own video analytics platform, therefore guaranteeing complete, around-theclock 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).

RETAIL

The AiVu video security platform is the ideal solution for the efficient and secure management of large department stores or shopping centers. In order to protect sale areas and support your business to the fullest, a wide range of video analytics functionalities integrate the AiVu video security platform.

ON-BOARD SECURITY AND PASSENGER INFORMATION

AiVu-Mobile is the innovative solution for security on board public transport, integrating video surveillance with Passenger Information applications displaying service information and advertisement on on-board displays. An effective solution to turn investment in security into profit from ad sales.

CRITICAL INFRASTRUCTURE

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

>> DIGITAL SIGNAGE

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, AIRPORT TERMINALS, MUSEUMS, CRUISE TERMINALS, AND MUCH MORE.

TVIP distributes multimedia content and interactive applications using any display format, touch screen, video-wall and digital kiosk, and is best suited for managing communication that is both dynamic and captivating.

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.



>> SOFTWARE DEVELOPMENT

AITEK IS SPECIALIZED IN THE DEVELOPMENT OF SOFTWARE SOLUTIONS DESIGNED TO SATISFY THE CUSTOMER'S BUSINESS AND SECURITY NEEDS.

For this reason, we provide our expertise throughout the entire software engineering process, from the choice of development methodologies to the definition of technologies and architectures that best meet the system requirements. The result is the creation of quality software, designed to ensure maximum reliability and operational continuity of critical infrastructure and complex systems. This is why Aitek software is designed to be inherently reliable, robust and secure.

RELIABILITY

Aitek guarantees proper operation of its software, even in complex plants and unattended systems, reducing any risk related to system crashes, failures and operating interrupts that can affect productivity and security.

ROBUSTNESS

Aitek software manages anomalies related to incorrect use of systems or failures of hardware devices. Reports and alarm signals are generated for each event, optimizing system management.

CYBERSECURITY

Aitek systems are designed to reduce any risk of unwanted connections and to better protect computer networks and processed data. All our solutions guarantee the software's incorruptibility and prevent external attacks, tampering or the installation of malware.



>> FUNDED RESEARCH

CONTINUING RESEARCH EFFORTS ARE ESSENTIAL TO DEVELOP PRODUCT AND PROCESS INNOVATION AND MAINTAIN A HIGH LEVEL OF COMPETITIVENESS.

For this reason, Aitek participates in national and European funded research projects and joins in consortia and industrial districts promoting partnerships between companies, Universities and Research Organizations.

The result is the industrialization of solutions that contribute to increasing the efficiency and security of our customers' activities, but also and above all to improving everyday life by making it more sustainable, simpler and more functional.

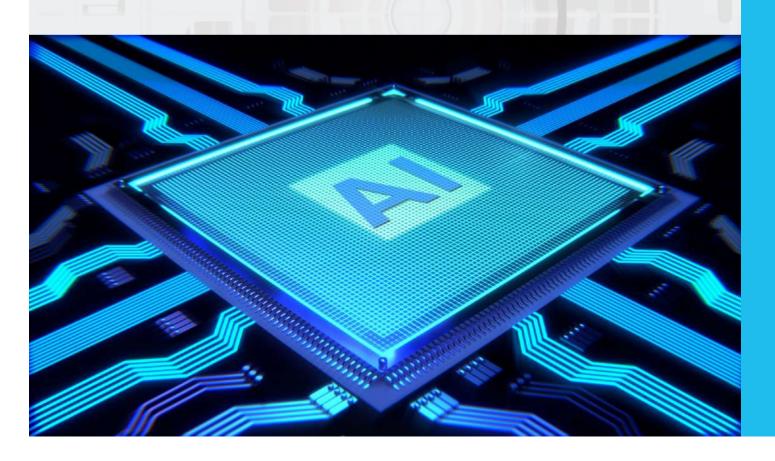
THANKS TO THIS COMMITMENT AND THE EXPERTISE ACQUIRED IN MANAGING MAJOR PROJECTS, AITEK ESTABLISHED ITSELF AS A TECHNOLOGY ADVISOR TO SUPPORT THE CUSTOMER'S STRATEGIC INNOVATION PROCESSES



AITEK HAS BEEN ONE OF THE FIRST ITALIAN COMPANIES TO JOIN THE REGISTER OF INNOVATIVE SMEs, FULLY MEETING ALL THE REQUIREMENTS INDICATED IN DECREE-LAW or. 3/2015.

Over the years Aitek has taken part in dozens of funded research projects, at times playing important coordinating roles. Today, our commitment is aimed at developing applications based on the most advanced artificial intelligence techniques in numerous operating scenarios:

- * Automotive: design and development of Driver Monitoring Systems installed and tested on driving simulators or real vehicles in collaboration with car manufacturers and industry-leading companies;
- * **People security**: video monitoring of crowded environments such as railway stations, installation and testing of cutting-edge solutions for counting people
- * Security of critical infrastructure: definition and implementation of video analytics applications that can be integrated into complex and heterogeneous cyber-physical systems for the monitoring of civil works;
- * Road network monitoring: intelligent video analytics applications, especially focused on protecting vulnerable users such as pedestrians, cyclists and motorcyclists;
- * Ports and Logistics: automation of goods handling processes and transit control systems at road or rail access gates;
- * Maritime security: implementation of monitoring systems that integrate multispectral cameras and video analytics algorithms based on artificial intelligence techniques;
- * Smart agriculture: video analytics applications for processing images acquired by drones;
- * **Retail and advertisement**: in-store video analytics applications and platforms for the management of smart interactive kiosks for department stores and shopping malls.



>> REFERENCES

ABB S.p.A.

Aesys S.p.A.

AIE - Associazione Italiana Editori

Almaviva S.p.A.

Amazon EU S.a.r.l.

AMT S.p.A. – Azienda Mobilità e Trasporti Genova

APM Terminals

ATM S.p.A. – Azienda Trasporti Milanesi

Azienda Sanitaria Locale 2 - Regione Liguria

Autorità di Sistema Portuale del Mar Ligure Occidentale

Autostrade dei Fiori S.p.A.

Autostrade per l'Italia S.p.A.

Busitalia - SITA Nord S.r.l.

Circle S.p.A.

Consorzio Unico Campania

Costa Crociere S.p.A.

Danieli S.p.A.

Engineering Ingegneria Informatica S.p.A.

Fratelli Carli S.p.A.

GEIE-TMB - Tunnel del Monte Bianco

Hitachi Rail STS S.p.A.

IIT - Istituto Italiano di Tecnologia

ITI Impresa Generale S.p.A.

Leonardo S.p.A.

Movyon S.p.A.

PSA Genova Prà S.p.A.

PSA Terminal Contenitori Porto di Genova S.p.A.

SIA S.p.A.

Sinelec S.p.A.

Swarco Mizar S.p.A.

Tecnositaf S.p.A.

Terminal Intermodale Venezia S.p.A.

Thales Italia S.p.A.

Tyco Fire & Security S.p.A.

Vitrociset S.p.A.



>>> SHAREHOLDINGS & MEMBERSHIPS















