



IMAGE & VISION

HISTORY

Imavis Srl was founded in 2000 as a spin-off company of Università di Bologna by a group of scientific researchers and IT professionals with a potential to offer high quality technological software solutions.

Imavis mission is to export the achievements of scientific research to industrial applications, boosting the evolution of the markets that aim at innovative solutions through technology transfer of new ideas and methods.

IMAVIS IN TWO WORDS

IMAge & VISion, that is, images and video processing, analysis, and classification by means of computer vision methods with application to video-surveillance, access control, computer aided medical diagnosis.

IMAVIS TODAY

The company focuses on security, with a reference to video-surveillance applications. The core business is the design and the development of products and solutions that follow and anticipate the market needs.

Imavis is on the market of **video-surveillance** since 2002 developing video-recording innovative systems (in 2003 we have been the first Italian company which developed a software to visualize live images on cellular phones), flexible centralization systems to give to the customer the control of the various security devices (DVR, IP cameras, access controls, antintrusion, etc.) and other applications of high interest for the TVCC market.

Imavis develops the software package **IMAnalysis** since many years, which is built with:

- **advanced algorithms for the analysis of video sequences and the tracking of objects and people**; those kinds of algorithms permit the automation of CCTV monitoring, the optimization of alarms and constitute a great support in the work of security professionals.
- **a certified algorithm for the optical reading of license plates**, which can be used for the access control of zones with limitations of traffic, for the automatic management of parking lots and for the monitoring of license plates in highways.

In the last years Imavis acquired a strong know-how in **mobile app development for the Android and iOS platforms**; today Imavis can build every kind of mobile app, going from remote control of security appliance to database driven applications. We develop solutions tailored to the customer, following the customer expectations from the design phase to the publication on app stores.

Imavis developed an advanced technology for **remote control** and designed a modular software which can be adapted to different needs of customers and different platforms. By analyzing the characteristics of each platform and the data to be monitored Imavis chose the best software module available and developed many successful products for remote control.

Imavis has also a strong know-how in development of **web and cloud applications**, going from fast and scalable REST APIs written in Java, to B2B and B2C web based frontends written in Python, leveraging the Django Web Framework.

Thanks to this kind of diversified expertise and the use of different programming languages (Java, C++, Python) Imavis is able to develop quickly new applications adapting to different needs and platforms.

RESEARCH & DEVELOPMENT

The degree of innovation that Imavis brings on the video-surveillance market through its products is the result of a winning combination of the company technical skills and the tight collaboration with academic research groups. In particular, it is worth mentioning the long-lasting collaboration with the Centre of Excellence **ARCES** De Castro (www.arces.unibo.it) of **Bologna University** and the profitable collaboration with **DIBRIS**, the Department of Informatics, Bioengineering, Robotics and Systems Engineering (www.dibris.unige.it) of **Genova University**.

To strengthen this activity Imavis opened an office in Genova entirely focused on R&D with the objective to study and propose solutions for the market of tomorrow, combining the in-depth investigations of academic research with the ability to focus and rationalize of a development company.

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