

SOLUTION FOR THE FACE RECOGNITION ON THE CRACOVIA KRAKÓW STADIUM

In just three months INTEGOO managed to install solution that recognizes the faces of the fans at the entrance of the football stadium. The leadership of the Club can be sure that the stadium does not receive the hooligans with entry restriction without this meaning the need to increase the number of organisers or to unreasonably annoy common visitors. To resolve this situation, the specialists of the company INTEGOO had to consult a series of difficult situations which, however, they mastered it in time, perfectly and to the full customer satisfaction.



The end user:

Cracovia Kraków is the oldest Polish Football Club. Is the participant of the Polish top football competition. The stadium with a capacity of 15 000 spectators where Cracovia has played the games from 2009, was designed by Spanish studio Estudio Lamela.

More information can be found at <http://www.cracovia.pl/>

Situation:

In autumn 2010 the stadium was put into service after reconstruction. The leadership of the club wanted not only to increase the capacity and comfort of the spectators, but also the safety. Therefore it was decided to introduce measures to reliably ensure that the hooligans with entry restriction will not get to the Stadium at all. It is not technically possible to legitimate each visitor on entrance, in addition it would constitute an undue harassment of normal fans.

The solution could consist in the fact that people with prohibition of entry will not be sold the ticket (or the Club card will be invalidated), if it would be possible to exclude that the owner of the tickets will pass it to someone else.

Therefore the Club was looking for an electronic solution that will ensure that the stadium will be entered by the same person who purchased the ticket.

Solution:

On the entry gates of the stadium there is installed technology on the principle of computer based recognition of faces (face recognition) and covers all 36 entrances.

A visitor who buys a ticket is required to submit his Club card. If it does not have it he is legitimated when purchasing the ticket and his photo is captured. It is a way to ensure that the ticket will not be sold to an undesirable person.

At the entrance of the stadium, when a visitor puts the ticket to the turnstile, it will automatically evaluate a snapshot from a camera and a compare this with previously taken photo of the owner of the ticket. If the device does not confirm that this is about the same person it will call attention of the organizers who carry out the appropriate procedural steps. It is certain that the persons who didn't buy the tickets will not get to the stadium.

Another positive effect is the increasing interest of purchasing the Club cards. Holders of the Club cards are not legitimated when they purchase the tickets.

Delivered products and services:

- Processing of study and project of solution
- Delivery and installation of cameras with high resolution
- Delivery and installation of data network (LAN)
- Delivery and installation of computers for the face recognition
- Deployment of software for the evaluation of the authenticity of the person
- Design and installation of workstations for the registration points
- The integration of all solution components
- Documentation and support

Progress of the project and the role of company INTEGOO:

The company INTEGOO has been selected mainly thanks to ability to build a complete solution and implement the project within a very short time.

The project was extremely demanding, inter alia, because:

- Solution was installed during the completion of the ground works so it was necessary to address the complex issues of coordination operatively and adapt the timetable for the installation of the system
- It was necessary to coordinate the activity of a number of different suppliers
- It was necessary to resolve the matters which typically are not related to the information security. For example, to build semi-automatic working places for fans registration in the ticket offices with an improper lighting conditions

All of these matters have been successfully resolved. The functionality of the system has been confirmed by thorough testing and then verified by the pilot operation.

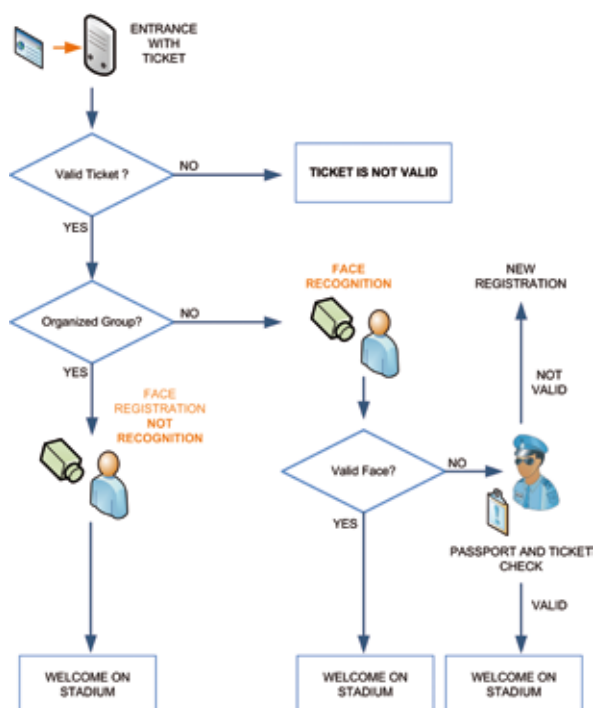
Rating:

The complete solution was put into service within the agreed time so before the opening of the autumn part



of the highest Polish football competition. Company INTEGOO provides system support.

The first halfyear of operation confirmed the functionality of the solution. The hooligans with prohibition of entry don't get to the stadium, there is a minimum of false alarms.



INTEGEOO is an experienced integrator of safety systems, in particular with a strong position in the field of IP cameras. We provide a wide range of services, from design of the system through its supply, installation and integration into the existing infrastructure up to taking the responsibility for flawless operation of the system. In the Czech Republic and abroad the company has successfully built a series of complex solutions for customers for whom to ensure complete safety is condition of the continuance of their activities.

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