



SIEMENS

Solutions for Sports and Entertainment Venues

Mass Access Control

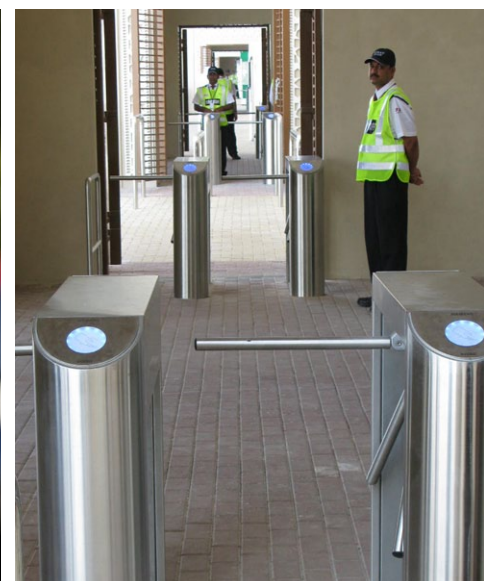
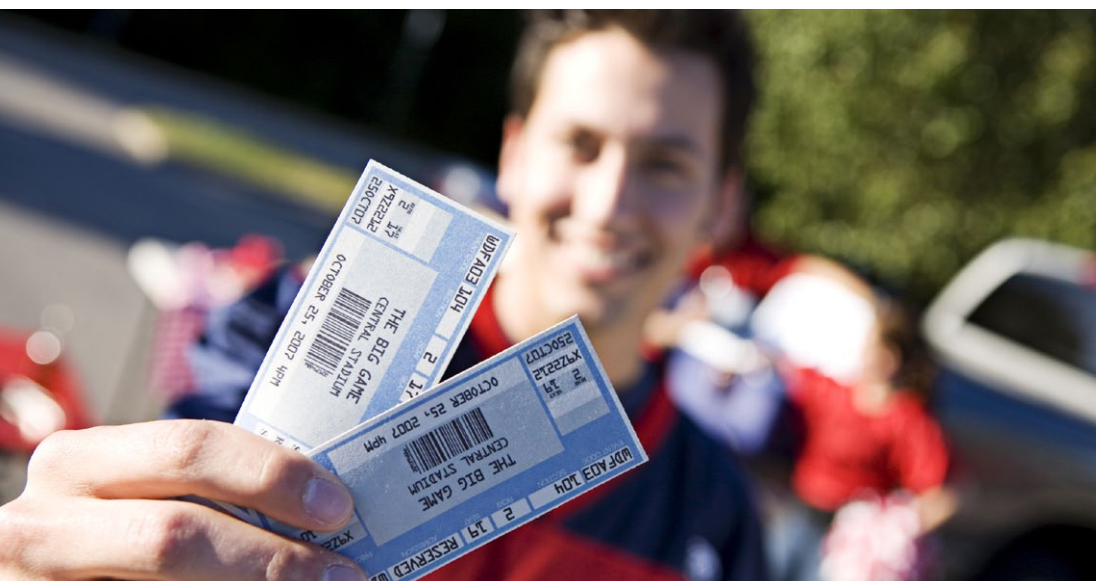
www.siemens.com/bt/sportsvenues

Siemens delivers complete infrastructure solutions for major sports and entertainment facilities all over the world. References exist in more than 150 stadiums and arenas.

An essential part of a modern security concept for a stadium is an access control system combined with ticket readers and turnstiles. These systems should be incorruptible in order to prevent unwanted multiple entries in an entertainment facility, causing loss of revenue for the event organization and an increase of security hazards and threats during the event. The solution can be interfaced with other security systems, such as the fire alarm system to release door locks and tripods for safe evacuation in case of emer-

gency. Additionally, all alarms or access violations are recorded and immediately forwarded to the security staff in charge. Based on a distributed and object-oriented control logic, individual security systems continue to function even if the central control system fails. Unauthorized access attempts can be further monitored with a series of motion detectors, magnetic door contacts, infrared barriers and cameras. These solutions can be utilized for sports venues as well as for race track venues, exhibitions and conference centers.

Answers for infrastructure.



Security Challenges

For the safety and security in stadiums, it is vital that the number of people and the flow into and out of an arena is controlled. This is where mass access control systems have proven to be particularly useful. The challenges such a system should manage can include:

- Protecting people, investments, business continuity and revenue as well as venue assets.
- Providing maximum security for the spectators and controlling people flow to enhance the visitor experience.
- Securing authorized access to the different areas of different target audiences, such as athletes, club members, press, facility management etc.
- Being able to read all technologies for a range of tickets and badges.
- Integration of various sub-systems (e.g intelligent video surveillance CCTV, intrusion detection, fire alarm).
- Complying with international and regional safety and security standards as well as the event's Local Organizing Committee's (LOC) regulations.

Our Solution

Mass access control solutions from Siemens ensure increased security and regulated access to all areas of the stadium based on needs or responsibility. Specifically, our solution offers:

- Easy-to-use ticket readers that reduce waiting times and ensure the highest possible flow-rate at the turnstiles.
- One integrated access control platform for building access control as well as ticket access control.
- Efficient data exchange with ticket providers and black or white list functions.
- A user-friendly reporting tool to control and monitor access.
- Complete ticket and badge checking, even if network or servers are down.
- A global anti-pass-back function to prevent unwanted multiple entries.
- Easy integration of biometric reading devices.
- WLAN handheld ticket readers to improve the visitor experience at VIP gate entrances.

Highlights

- Protect people, investments, business continuity, revenue as well as venues assets
- Reduced waiting time to enhance the fan experience while ensuring a high flow rate
- Ability to read all ticket technologies such as RFID, Mifare, Barcode 1D/2D, Desfire, NFC, print@home and others provides maximum flexibility
- Highest system reliability and availability
- Anti-pass-back function to prevent multiple entries
- One card for the whole event brings more value for the customer