

Security solutions for airports

Airports are generally in the public interest, as they are today - so to speak - the central linchpin of our globalised world. Especially the terminal area is frequented 24/7 by huge crowds. So, it is not surprising that attacks often occur. Large crowds = big possible damage = strong media presence. Therefore, airports exert a special fascination for the modern, increasingly aggressive, often religiously motivated and especially viral terrorism. Regarding to the perimeter security of airports, it is not just about ensuring the protection of the airport grounds, but also about maintaining its integrity. Criminal or even terrorist attacks in the worst case, but also vandalism, unintentional security violations and acts of God, such as heavy weather conditions, often not only cause expensive consequences, but also damage the image of the airport operators massively. Therefore, comprehensive security concepts at airports are necessary and simply indispensable.

The size and complexity, but also the ever-increasing security requirements of modern airports due to increasing passenger and cargo volumes, require holistic, multi-level and above all effective security solutions. In addition, the various components must efficiently safeguard and support the high requirements for the needed smooth logistics of the airport, for example in the service area of the runways. In summary, an effective security concept should allow for simple but controlled access to delivery and service traffic, while providing protection for restricted areas, service areas, car parks, kerosene tank farms and taxiways.

Protection against hijacking

In addition, the area of the aircraft maintenance hangar poses a specific security risk. In particular, the so-called flag carriers are attractive targets for terrorist attacks, e.g. the airlines or aircraft owned or represented by a state. Such an attack can seriously harm a country without the perpetrators having to travel to their respective territories.

Individual and multi-layered security solutions

Hansruedi Voß, PPG Sales, says: *„As with the protection of inner-city or public places, with regard to effective security measures, the keyword is: Prevention! This applies also or especially for airports. These often differ much from one another in terms of architecture or infrastructure, so that there is no universally appropriate security concept. Rather, every solution has to be implemented site-specifically. Here, tailor-made, multi-layered solutions or*

an optimum combination of safety components for the respective field of application are required. This in turn depends on various criteria. In addition to the area to be protected and its required level of protection, the perpetrator profile and the potential threat, the building and terrain contour or condition form the decisive factors. The aim is to be able to identify potential risks at an early stage before any risk arises. “

Comprehensive perimeter protection at airports can only be created by a combination of mechanical, electronic and sensory components. These include outer protection with crash bollards or other certified impact load-tested barriers at the external access and parking areas, efficient vehicle checkpoints with quick-folding gates or sliding gates combined with boom barriers, Entrance Control for strict separation and indoor access control systems, as well as supplementary video surveillance or intelligent external monitoring solutions such as outdoor surveillance systems, radar tracking, etc. This is rounded off by the integration into databases for a digital, automated detection and surveillance or live recording and tracking of operations around the whole airport area.

PPG - your experienced partner for comprehensive airport security

Hansruedi Voß adds *„Perimeter Protection Group has many years of experience in securing airports around the world. This benefits our customers. And of course, from our certified product range. From so-called taxiway gates with extra-large opening widths for the convenient passage of airbuses, via TÜV certified quick-folding gates up to modern fencing systems. In addition, due to their high compatibility, our products are particularly well suited for connection into integrated central control platforms, databases or systems for fence detection and outdoor surveillance. Most recently, we secured the airport in Helsinki for Finavia, a great and holistic project. “*