

PROJECT REPORT II: ALUGARD® ALARM SECURITY FENCING MADE OF ALUMINIUM FRAPORT AG, Frankfurt (D): Further building phase secured with AluGARD®

Company

Frankfurt Airport has a total area of 2,300 ha and handles around 69 million passengers per year, making it one of the most important transport hubs in Europe. Numbering among the twenty largest freight airports in the world, the head office of Lufthansa is located here, as is FRAPORT AG, the specialist partner for airport retailing and property development.

Protecting the perimeter of Frankfurt Airport is a major challenge, not just because of its enormous size, but also due to the many sensitive and valuable areas that it contains, all of which require a high level of protection. The intensive cooperation with HAVERKAMP to secure these areas began ten years ago, when the security experts from FRAPORT AG conducted a number of intensive comparison tests. This led to the decision to secure the newly-built, 11-kilometre-long Runway North West with the world's first high-performance aluminium alarm fence, made by HAVERKAMP (Reference report: FRAPORT I).

The modular AluGARD® system developed by HAVERKAMP is ideal for use in airports and large industrial premises, thanks to its lightweight construction, good resistance to heat and corrosion, and high reliability of the detection technology employed. In addition, the modular design enables great flexibility in positioning the fence. As a further benefit, the purist design of the fencing ideally complements modern airport architectures and those of other large industrial and commercial properties.

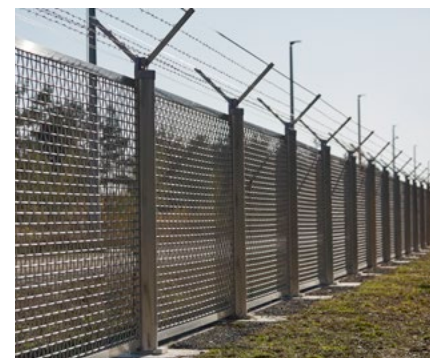
Current Requirements

The security experts were so satisfied with the great reliability and low false alarm rate of the AluGARD® system that they contacted us again when they began planning the subsequent modernisation of the perimeter around the Runway West. The idea was to replace the concrete wall that had been in place since the 1980s with modern technology. Once again, a major objective was to eliminate the occurrence of false alarms to the maximum possible degree and to either prevent the entry of unauthorised persons or to reliably detect them directly at the perimeter.

Solution

An additional 6.5 km of AluGARD® alarm fencing with woven aluminium matting panels (WaveGARD®) and tunnelling protection were installed within a construction period of 4 months. The installation work was planned together with the HAVERKAMP security experts so as not to interrupt day-to-day operations. Thanks to the efficient planning and performance of the building activities, the main assembly phase was concluded four weeks before the agreed completion date.

The AluGARD® alarm fence is now in place and securing the Runway West at Frankfurt Airport.



Client:

FRAPORT AG

Assignment:

Modernisation of the perimeter fencing around the Runway West

Solution:

AluGARD® alarm security fencing with WaveGARD® fence panels and tunnelling protection

Length:

6.5 km