



Case Study

Flood Mitigation Measures

CEMEX UK, Lincolnshire



The Project

CEMEX is a global building solutions company and leading supplier of cement, ready-mixed concrete and aggregates. In the UK, CEMEX also provide asphalt, flooring solutions, concrete blocks and railway sleepers. The CEMEX site at South Ferriby was flooded due to a tidal surge in the local area. The flood overtook the existing protection height was up to 1.5m. The building which flooded was the Commercial Switch Room which controlled the entire site.

The Solution

CEMEX contacted Adler & Allan and requested us to visit the site following the flood event. An initial survey was conducted for the client with a list of recommendations and mitigation measures to be installed to ensure protection from future floods.

The team worked closely with the client to understand the customer's requirements and how they operate. The team advised the client that it was their responsibility to check the structural stability of the building to ensure it was safe to enter/work in when another flood came.

Adler & Allan made a range of recommendations to ensure the necessary measures were implemented. These included:

- Sealing of incoming ducts with polyurea coating to ensure water does not get in through the seals
- Installation of a sump pump internally
- Installation of a new Adler and Allan Bradbury Flood SR3 Security/Flood Door
- The outer fabric of the building received a waterproof coating using a specialist polyurea coating which ensures the area is 100% waterproof and provides structural integrity to the building. This was sprayed 1.5m in height around the building.

To allow the team to work unsupervised onsite, the Adler & Allan team attended a training course specifically used by CEMEX.

The Outcome

Since the installation there have been other flood events but not as extreme as the previous one. The client was pleased with the work carried out by Adler & Allan. As a result of the initial flood, the client has now understood the risks of a flood occurring and has taken the necessary measures to help mitigate against this in the future. The client realised that perhaps they should have considered the risk prior to the flood event, but are now happy that they are better protected in case of future events.

