



## Commodity Park

Rotterdam | The Netherlands | Realised by: Brakel Atmos, The Netherlands

“The correct advice is the foundation for sustainable fire safety solutions.”  
**Peter Gorter**, assistant property manager at Pro Delta

# Fire safety provisions have been proved by fire tests to be effective

### Task: create a fire safety solution for multifunctional storage facility

The main criteria for three enormous newly built storage facilities, with in total 28 halls in the Commodity Park was to be multifunctionality and sustainability. They are now used for the storage of a variety of commodities including cocoa, metals and plastics. They may be used in the future as distribution centres. Our client, ProDelta, issued clear instructions: create an efficient, maintenance friendly and extremely durable fire safety solution.



## Solution: certified systems for fire detection together with a smoke and heat extraction provision

### • Fire detection

Aspiration detection system (8 km in total), equipped with a provision for the removal of cocoa and grease deposits. The system is equipped with special filters that remove greasy components from such materials as cocoa. This greatly improves the reliability of the system, increases its life expectancy and makes it extremely maintenance friendly.

### • SHEV installation (and daily ventilation)

356 Eura smoke vents were installed for smoke and heat extraction. These are used for daily ventilation during loading and unloading.

### • Certification and maintenance

Both the fire alarm/evacuation installation directly linked to the Regional Headquarters in Rotterdam and the SHEV installation have been tested and approved by the Fire Department. A maintenance contract with Brakel ensures that the installations are continually maintained.

### Preliminary stage: fire safety advice

According to Peter Gorter, Brakel played an important part in the preliminary stage: "Brakel submitted detailed advice and reports supported by things such as fire scenarios. These reports were accepted by both the DCMR - Rijnmond Environmental Department and the Fire Department."

"The selectors system is not susceptible to faults and has a long life expectancy."

### Result

The Commodity Park comprises multifunctional buildings that are capable of adapting to changing market demands. This also includes the fire safety solution: "This system requires a minimum of maintenance and should rarely need replacing making it extremely sustainable." Gorter insists that ProDelta are keen on establishing lasting relationships: "Long-term relationships offer a win-win situation for both parties and can only be good for future cooperation. Which is why we have signed a five-year maintenance contract with Brakel."

### Success factors

- Well supported advice satisfies both the Fire Department and the Environmental Department.
- Detection system not susceptible to faults.
- Certified systems for fire detection with smoke and heat extraction are maintenance friendly.
- Sustainable and efficient fire safety solution.
- Efficiency of the fire alarm installation, the evacuation installation and the SHEV has been proven during testing.
- Long-term maintenance is assured.



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