



**Client:** Royal Van Lent Shipyard - Amsterdam, The Netherlands

**Application:** 42m High Ceiling Space Shipyard for Manufacturing Super-yachts

**Aspirating Detectors used:** 4 x Cirrus HYBRID aspirating Fire & Smoke detectors  
2 x ProPointPlus aspirating smoke detectors

The Royal Van Lent shipyard is a brand new 'state of the art' ship building facility in the port area of Amsterdam. Royal Van Lent produce custom made Super-yachts for clients around the world, and their new facility provides them the ideal manufacturing platform for many years to come.

The building height, from the base of the dry-dock to the roof is 42m. This building height would provide a challenge to any fire detection system and the Cirrus HYBRID aspirating Fire and Smoke detector was selected to take on this challenge. Through extensive testing at full height conditions the four detectors, across the whole ceiling space, were proven to meet the challenge with ease. The aspirating system design incorporates heavy dust filters and automated pipe purging systems, due to the harsh environment created by the manufacturing process carried out within the building. The site complex is protected by a Protec 6400 fire alarm system.

**Reasons for using Cirrus HYBRID Aspirating Fire & Smoke Detectors:**

- Aspirating detection utilizes 'active' air sampling through the use of sampling holes drilled into sampling pipework. Each sampling hole to suit the local country design standards and the specific application/risk.
- Cirrus HYBRID provides both Cloud Chamber 'Fire' and Optical 'Smoke' detection, within a single aspirating detector.
- Cirrus HYBRID detectors reduce unwanted alarms from dust and other pollutants.
- Cirrus HYBRID detectors provide the most intuitive touch screen display of any aspirating detector.
- Cirrus HYBRID detectors are a sensitive yet stable fire detector responding to products of combustion.
- Cirrus HYBRID aspirating detectors can provide an alarm at an earlier stage of a fire condition than most other comparable technologies in these and various other standard and difficult applications.

**Clients Detection System Requirements:** Early warning/enhanced fire detection within a 42m high ship building facility.