



Summary of OMGA Protection Systems for Large Sites

The system consists of an electric monitor operated by an electronic automatic orientation unit, that is interlocked with an electronic automatic module for fire detection and localization.

In particular the sub-system forming the electronic module for fire detection and localization is made up of 3 or 4 couples of cameras and 1 or more modulated ultraviolet flame detectors, depending from the topological features of the protected area.

Each couple of cameras can detect with extreme precision a fire outbreak in the assigned area and can determine the space co-ordinates, while modulated ultraviolet flame detectors provide a fire alarm evaluation based on a different physical principle.

The electric remote controlled monitor can reach with a water/foam jet the selected area, both with a indirect shot and therefore with the extinguishing agent falling down like rain, and, if needed, with a direct shot with full or spray jet.

Therefore the system can automatically and autonomously detect and localize fires in large areas (both covered and open) and start the extinguishing operation only in the area involved, avoiding side damages.

Intervention time is extremely short, much below a minute, and therefore fires can be extinguished from their beginning.