New Products

Automatic Fire Extinguishing System for Mobile Units
VES-SRA1 Type with Electric Remote Controlled Monitors

The fire extinguishing system VES-SRA1 has been designed to be mounted on vehicles and mobile units and is able to work fully autonomously and automatically.
It consists of fire detection modules, a central module for data management and processing and fire extinguishing modules.
Each module has been designed and realized as integrated component that can be easily and quickly mounted, directly connected to the bus line for power supply and data transmission and (only for the extinguishing modules) to the fire extinguishing agent supply pipe.
The system has been designed to allow a fast and sure fire detection and, consequently, to provide a specific fire extinguishing intervention, that is completely harmless for people inside the protected areas and that, with the supply on board, can last at least 15 minutes.
The system is based on the proven fire extinguishing technology represented by fire fighting water / foam monitors, assuring a fire extinguishing process which is highly efficient and absolutely safe for people.

Automatic Fire Extinguishing System for Tunnel Protection with Remote Controlled Monitors "Tudem"

Innovating fire extinguishing system for tunnel fires, for fully automatic intervention or for remote operation from a remote Control Room.
The system is based on the proven technology of fire fighting remote controlled foam/water monitors, worldwide utilized and appreciated for the fire protection in heavy risk plants.
Depending from the length of the tunnel (long tunnels ≥1 km. or short tunnels <1 km.), two different versions of the automatic fire extinguishing system with remote controlled monitors are available.
The 1st version of the system with mobile remote controlled monitors on overhead trailer (TUDEM-CAR) consists in a fixed structure (overhead rail), installed at the ceiling along the tunnel, and in a number of mobile units (trailers) equipped with foam/water monitors moving along the fixed structure.
The 2nd version of the system with remote controlled fixed monitors uniformly spaced along the tunnel (TUDEM-LEGIO) consists of monitors directly installed along the tunnel at regular intervals of 42 m.
The main water (or foam premix) supply pipe pressure is of about 10 bar and the flow rate of the remote controlled monitors is of 1.000 lt./min.

Automatic Interactive Signalisation and Visual Guide System for Evacuation Routes in Tunnels and Confined Areas "Arianna"

Innovating system for signalisation and visual guide along evacuation routes to be installed in tunnels and confined areas for fully automatic interactive intervention.
The system can operate in a fully automatic and interactive way.
During emergencies it is very important that people inside tunnels (especially in long ones) are able to orientate themselves and move in the right direction (opposite to the accident one) in order to reach the accessible tunnel exit or the safety zones depending on the emergency in progress.
This system shows along the entire tunnel the evacuation route for the existing emergency, with continual, univocal optical signs that can be seen and followed continuously even in case of smoke, that may develop and spread inside the tunnel in case of fire emergencies.
In particular the system is designed to be combined with TuDEM, the automatic fire extinguishing system for tunnel protection with remote controlled monitors designed by our Company in two versions with mobile remote controlled monitors on overhead rail and with fixed remote controlled monitors spread along the tunnel.
Through a proper interface the signalisation and visual guide system for evacuation routes can work also with any fire detection and alarm management system already existing in the tunnel.
The system can be manually operated too.

Remote Controlled Monitors A2 type

Caccialanza & C. **A2 Monitors** are light compact units for high performances, designed to operate in extreme conditions and in adverse enviroments (refineries, chemical plants, offshore, etc.) and to be used also on mobile units.
These monitors are a new product to be employed in remote controlled systems requiring a high aim precision.
Movements are performed by means of electric actuators integrated with bus power and command/control system with a single cable (flame resistant).
There is also a version with manual local commands also on the unit, through a joy-stick for each movement acting on the monitor servomechanisms.