



Electronic Road Safety Systems

Anti-flood System with GSM / Radio

Ever increasing emergency weather situations require proven and effective solutions to secure areas where the outflow of water could be problematic.



Anti-flood systems are designed and built to protect underpasses, fords and areas prone to dangerous flooding.

The system's automatic intervention ensures the activation of one or more safety systems (traffic lights, light signals, automatic barriers, acoustic sirens, advance warning systems, PMV, etc.) transmitted via normal standard communication protocols, even during electric grid blackouts, using buffer batteries duly housed in each signal station.

If there is no grid power, the accumulators hold the entire system in emergency mode until the battery group runs out of power or until the emergency is over. During normal operating conditions, the electric grid recharges the battery group to always maintain the system at peak efficiency and to have maximum autonomy. Thanks to its low consumption, where possible, solar power can be used, to avoid relying on electric cables or supplies from Enel.

Operation:

If the underpass is flooded, an electronic sensor records the presence of water and a "Master" control unit sends an alarm signal (radio or GSM) to n° x "Slave" which activate the road closure systems. At the same time, the "Master" sends a series of easily programmable SMSs to all emergency duty staff (Technical Office, Civil protection, etc.) to supply real-time information on the situation of danger in the underpass. Once the emergency is over, the system will be restored to its start position and sends more SMSs confirming it is ready to use.

The SMS command function also allows you to manually activate or deactivate the anti-flood system, monitor the "health" status of the facility (battery levels, "slave" operation, etc.) and receive "door open" messages if the box is vandalised.