

Management Communications

REMOTE CONTROL AND MONITORING SYSTEM



La Maquinista Valenciana provides a Remote Control and Monitoring System especially designed for the supervision of aids-to-navigation stations including lighthouses, beacons, buoys and generally any equipment in the aids to navigation field.

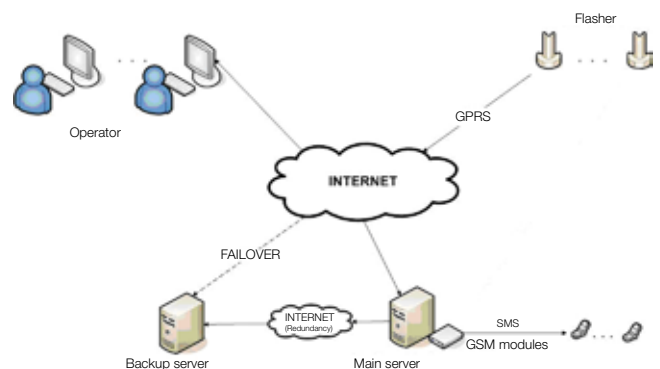
The system allows the monitoring and control of unlimited remote outstations from one or more base stations.

Features

- Web access environment.
- Unlimited number of remote outstations.
- Unlimited range, depending on the transmission links.
- Basic star topology through a basestation.
- Possibility of incorporating redundancy with automatic synchronization via internet.
- SQL database integration easy.
- Expandable, modular system.
- User-friendly operation. System configuration can be changed and updated easily. No specialized experience is required.
- Monitoring and remote control in real time.
- Package under graphic environment (Windows or similar) for the supervision control and data acquisition.
- Access password levels, so only authorized personnel can carry out the actuations they are allowed, thus increasing the safety of the system.
- Actual state, maintenance, alarms and incident reports.
- The software includes real-time databases, summaries, audible and visual indications of alarms, alarm histograms, bar charts and trends of the analogical variables, interactive help display, ...
- GPS Buoy position monitoring available.
- System configuration can be designed according to customer's requirements.

Communication links

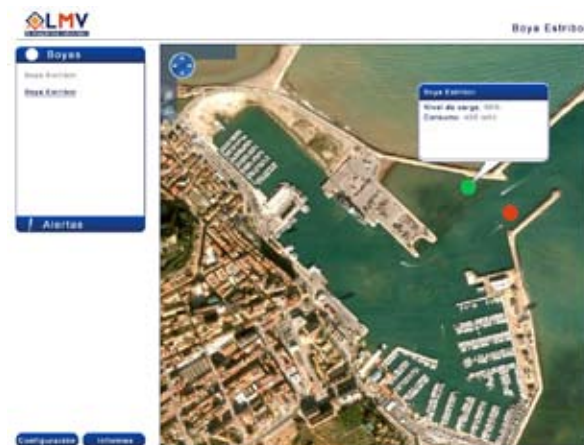
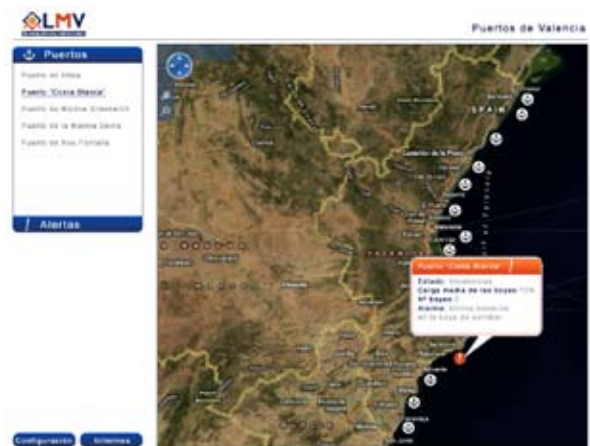
- GPRS.
- Public telephone network.
- Dedicated cables.
- HF, VHF or UHF radiolinks.
- Satellite.
- Internet.
- Other communication systems available.



Web application

- Monitoring of remote outstations:
 - Actual state.
 - Telemetry.
 - Alarms.
- Remote control of the outstations:
 - Remote operation.

Web pages



Outstation

- Different types of outstation interfaces are available, depending of the communication links used: Telephone modems, HF, VHF and UHF radio modems, INMARSAT-C satellite transceiver.
- Any combination of these interfaces can be made, according to the existing means of transmission or the most appropriate ones.
- Voltage supply can be 12 / 24 V DC or 120 / 240 V AC.
- Interface with other systems RS232, RS485.