

D70.37.0-I

## **AUTOMATION**

### **Telecommand, supervision and control**

Automation, for supervision and control in water segment, is present in all products and services correlate, such as:

- Water and sewer treatment station;
- Irrigation;
- Navigation;
- Flood control.

The activities involve conception and electric project of command and supervision of the process, monitoring system, assembly, installation, start-up, training and technical assistance. To implement the automation, high reliability equipments are used in all process.

Programmable logical controlers, located in the plant, execute measurements

through sensor of level, flow, etc, and act on elements of the process such as pumps, valves, gates, etc.

For integration of one or more plants we supply a monitoring system that is constituted in a friendly interface for the operation and a base of information and control.

The digital monitoring system makes possible several actions:

- Man – Machine interface;
- Management (operation, monitoring and alarm);
- Process optimization;

- Data base (reports, graphs and tendencies).

For the optimization and control of several plants a centralized control system is used.

It can be located in a strategic place for the customer, interlinked to the process through phone channel, optic fiber or radio connection.

