Research program:
"Modeling and integration of maintenance processes developed in the integrated water system into company's CMMS (Computerized Maintenance Management System)"

Department of Management, Information and Production Engineering

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RESEARCH PROJECT

The research activities developed so far by the CELS research group have been aiming at engineering the maintenance processes and at managing the different typologies of equipment composing the Integrated Water System, according to standard maintenance procedures. The main goal of this research project is to develop a maintenance information system that can help in keeping (or maintaining) the best level of service and the required quality standards as well as minimizing operating costs.

Considering the positive results obtained by the previous projects with "Uniacque SpA", the research activity will focus on the modeling and integration of maintenance processes developed for the sewage treatment plants and catchment plants in to a company's CMMS. The first activities will deal with the definition and standardization of equipment on each plant and encode them. The second step of the project will be the design of the procedure for registering equipment and related technical information. The last phase will provide the standardization of the activities on the sewage treatment plants and their implementation into the Computerized Maintenance Management System.