



Project Area

SECURITY AND AUTOMATIONS

Achieved for

PUBLIC SERVICE COMPANY

Requirement

SOFTWARE AND HARDWARE SOLUTIONS FOR SERVICE MANAGEMENT AND ACCESS CONTROL FOR THE PUBLIC SWIMMING POOL

CLIENT PROFILE

CLIENT:

PUBLIC SERVICE COMPANY

SECTOR:

PUBLIC SERVICE

Since their beginning (1925) the Special Companies have represented the organizational model which allowed the Municipality to develop entrepreneurial actions in the private sector.

On the **30th of May 1970 the Town Council forms the Public Pharmacy Company** responsible for the two pharmacies placed on the municipal territory.

On the first of January 1995 the City Administration changes the juridical

form of the **Public Pharmacy Company** giving it the administration of other Public Pharmacies, the Swimming Pool and the local taxes.

From the 21st of February **2003 the company**, strongly sustained by the MUNICIPALITY which is the majority stockholder and the initial owner, has changed its structure once more becoming a S.P.A.

This represents a key transition in the evolution of local services

CLIENT REQUIREMENTS

The company which manages the town's swimming system intends to offer citizens high quality services and to reduce the management costs. Taking into consideration the great number

of persons using the swimming pool (over 2000 members and approximate 900 entrances per day) and the offered services (swimming classes, free swimming, aqua fitness, etc.), the company

decided to install a system which had to meet two precise characteristics: efficiency and control.



ACCOMPLISHED PROJECT

The accomplished project includes a software component (which verifies if services, reservations, payment, etc. are available) and a hardware component which controls accesses and the flow at the swimming pool according to predetermined schedules and the acquired service.

Overall the project regarded the automation of three cash desks, the installation of three turnstiles and the supply of 3.000 badges.

HARDWARE

Three bidirectional turnstiles (two tripods and a bar turnstile) have been installed near the swimming pool for access in both directions.

Every turnstile is equipped with a RFID

reader which scans the RFID badge and lets users in or out.

When the client purchases a service he receives a badge on which the acquired credentials (the service, day, date and hour) are stipulated. When the badge is used, the system automatically verifies if the credentials are valid in order to grant or not access.

Moreover, for occasional clients which acquired a single service, the system will automatically withdraw the badge at the exit points. This allows the company to recover and reuse badges, creating substantial economical advantages.

The completely automated system allows the facility administrative company to monitor entrances and to remove

unauthorized accesses.

SOFTWARE

A Client/Server application has been installed especially created for the complete management of tourist facilities, sports centers, Wellness, Fitness, SPA (Salus Per Aquam), beaches, recreation clubs, etc.

It deals with an independent database system which allows selecting the most relevant database depending on the amount and management complexity and which solved the problems of the client company regarding bookings and payment for the offered services, issuing the fiscal invoice, managing available services, access control and also managing the course schedule.

The project particularly regarded five aspects – divided in administration, reservations and cash desk – with the following modules being installed:

Booking. A powerful automatic search engine that instantly and in a centralized way reserves, in a 'booking center', facilities and services through automatic vacancy management, depending on the preset plans and ideas of the Tourist Promotion Company;

Access control. It is a module which grants access in facilities, areas or locations only for authorized users, monitoring the personnel flow. The control software allows setting schedules and entrance rules, also managing more complex problems.

User identification. The User identification and tracing system uses radio-frequency technology by means of a

transponder. It can be compared with a personal "telepass" which allows the interaction with the visitor/guest/user every time that it is necessary to access the system in order to enter, be identified, make reservations, payments (with or without the badge), etc.

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Cash desk service. It is a module for administrating any type of payment systems: account debit, prepayment by personal badge, tour operator or private company agreements, payment collection, receipt sending, E/account holdings, balance reports, detailed cash desk reports, accounts and deposits

management, receipts, management of cash desk cancellations, etc.

Calendar/courses. It is a module that grants the client company most of the management activity for more than 380 weekly planned courses: from managing the registered participants to course calendar management, from "open" courses to "closed" courses, from individual and group courses to booking facilities, from course saturation and registration reports to searching courses on the calendar.

Therefore the system allows company management control, through a precise monitoring oriented on optimizing the services. The management disposes of an advanced instrument for controlling client flow, takings and reservations, attendance display, sales statistics in real time and fund investments.stems.



PROJECT