Vinci Park France manages its revenues with WEBDEV (450 parking lots)

The company ARMSTRONG SOLUTIONS relied on the WEBDEV IDE to develop the intranet site for revenue monitoring and the vehicle entries and exists from the VINCI PARK parking lots.

The company

VINCI PARK designs, builds, finances and runs the public pay-parking places in lots and city streets. Vinci Park is present in 12 countries with 1300 parking lots and nearly 800,000 parking spots.

In addition to managing parking spots, VINCI Park, creates complementary offerings for pay parking users: borrowing an umbrella, a shopping cart on a market day or a bike,… as well as other services that are adapted to the environment and the customers of each parking lot, such as, car wash, gas station, car repair kits, chargers for electric vehicles… essential services for the maintenance of a car.

Project leaders

Thierry Schuld (left) is the IT manager at VINCI PARK.

Paul-Gabriel Ferron (right) is the assistant IT manager.
ARMSTRONG SOLUTIONS developed the management application.

Supervision of 450 parking lots in France

VINCI PARK uses a sales management software named "GARI". This software manages consumers; it manages the billing of the subscriber and then transfers the revenues to the corresponding accounting department.

This proprietary program is installed locally in the parking lot following a completely decentralized model with databases that are independent in each site.

As a counterpart, another software called GARI Viewer consolidates the received revenue information into one unique point in the form of a text file at Headquarters.

However the maintenance of this software and its lack of flexibility have lead the computer department to rewrite this strategic decision making module.

"The rewriting of our monitoring tool should bring us more flexibility as well as a more modern UI. This should also give us a chance to incorporate the features of a more modern statistics and reporting module."

WebDev comes into VINCI PARK

The software department manager explains his choice: "For maintenance reasons, we have opted for an Intranet application architecture and we have looked for experts in this area. Another restriction was that we wanted to ensure easy project management. The choice of WEBDEV was therefore obvious for the clarity of its code and Armstrong was chosen for development.

Paul-Gabriel Ferron adds "we don't want to dive into development without first knowing how much time we'll need. WEBDEV offers such great productivity that it can guarantee we'll have our application as soon as possible.

The dashboard for VINCI parking lots: it's

auto…matic

Every week, the data entered at each site is transferred in CSV format via FTP to a central server and is then migrated to an SQL Server database. This information reflects the activity of the parking lots: number of entries/exits, payments by credit card, cash, creation of new clients, etc.

The Wiewer ("W" for Web) presents all the data in multiple dashboards. The first objective is to allow the decision makers remote access to this

well organized data and validate it.

This phase lets the Wiewer calculate statistics according to the decision makers' needs.

User rights management

"We've implemented rights management according to the Wiewer users: general management, administration and finance management, accounting, regional manager, ... According to each profile, the options that can be accessed are different", underlines Thierry Schuld.

The accounting department is also informed when the data is validated and ready to be integrated to their software, "Elodie".

Paul-Gabriel Ferron unveils some technical characteristics of the project: *"The Wiewer, consists of over 80 pages. WEBDEV really surprised us with its ability to rapidly produce quality Web interfaces. The 5GL functions in WEBDEV have helped in the creation of charts that are widely appreciated by the administration"*.
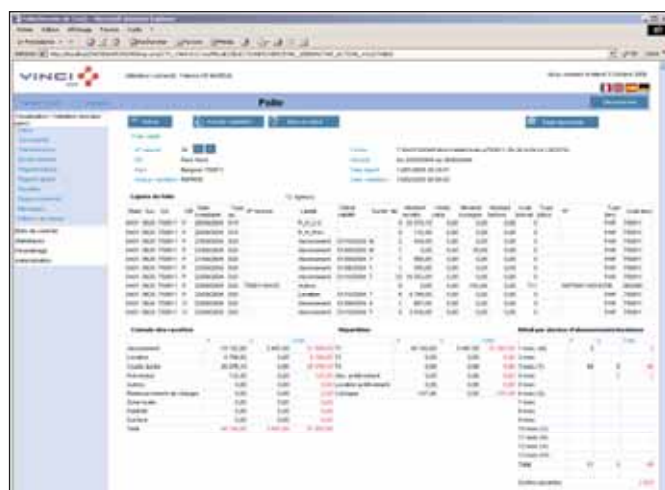
Over 50 million vehicle exits stored: instant access with WEBDEV

"There are over 300 possible queries with dozens of criteria: hourly revenue, renting revenue, trafic by time/location, by region, for a set of parking lots, over a given period", explains the assistant software manager.

The Wiewer lets us compare the results with reference months or years.

"Our users are very satisfied with performance and it can be appreciated even more that we exploit the information of over 50 million paying exits. Even there, WEBDEV and its SQL Server native access have responded to our expectations".

"Ever since we have the Wiewer, we've all won a lot in terms of flexibility in statistics and queries and in performance. We now have a suitable tool to help us in our decision making"

This success is a first step toward the international market

Thanks to this successful project, we're planning to introduce the Viewer to other countries where VINCI Park operates: Germany, Luxembourg in particular.

"The Intranet application has all it needs for international deployment", admits Thierry Schuld.

Obviously, the Wiewer seems to be well set to make lots of users happy. The software department manager concludes on his partnership with the WEBDEV developer service: *"We congratulate ourselves for having started this collaboration. Thanks to their expertise and the clarity of WEBDEV's 5GL, it's a real pleasure to ensure the maintenance of the Wiewer. We are now serenely planning our new projects"*.