

LOGISTICS

PHARMA



RFID Access Control Solution for All Entrances to the Belgian Formula One Grand Prix

Partner:	<u>Organisers of the Belgian F1 Grand Prix</u>		
Activity:	Events organisation	Application:	Access control
Sector:	Motorsport – F1	Country:	Belgium
Figures:	170,000 tickets 80 RFID readers 20 zones 3 days	Technology:	HF RFID ticket Psion PDA reader MS SQL Server RFIDEA management software
Website:	www.spagrandprix.com		

Client situation and challenge:

- ⇒ Manage printing, encoding and mailing of more than 150,000 tickets prior to the event;
- ⇒ Difficulties managing control and access for a very large number of spectators in a very limited period of time;
- ⇒ Need to fluidify access to the various zones during the 3-day Grand Prix;
- ⇒ Aim to reduce fraud (counterfeiting, ticket exchange, etc.).

Solution:

- ⇒ Preliminary audit by RFIDEA to analyse all parameters (environmental, technological, safety, human, process, etc.) related to the application to identify the most appropriate technical solution from a functional and financial standpoint;
- ⇒ **2007** – 1st implementation for control of access to VIP zones:
 - + 26,000 VIP entries (HF RFID);
 - + 25 RFID readers (PDA);
 - + 5 zones;
 - + 2 data servers;
 - + Wi-Fi and fibre optics network architecture;
 - + access control application developed by RFIDEA.
- ⇒ **2008** – 2nd implementation to all Grand Prix entrances:
 - + 170.000 tickets;
 - + 80 RFID readers (PDA);
 - + around twenty zones;
 - + Wi-Fi and fibre optics network architecture;
 - + access control application developed by RFIDEA.

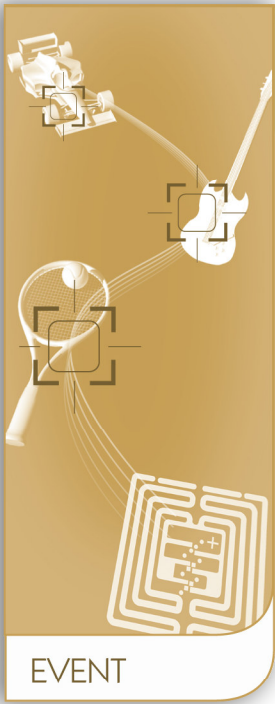


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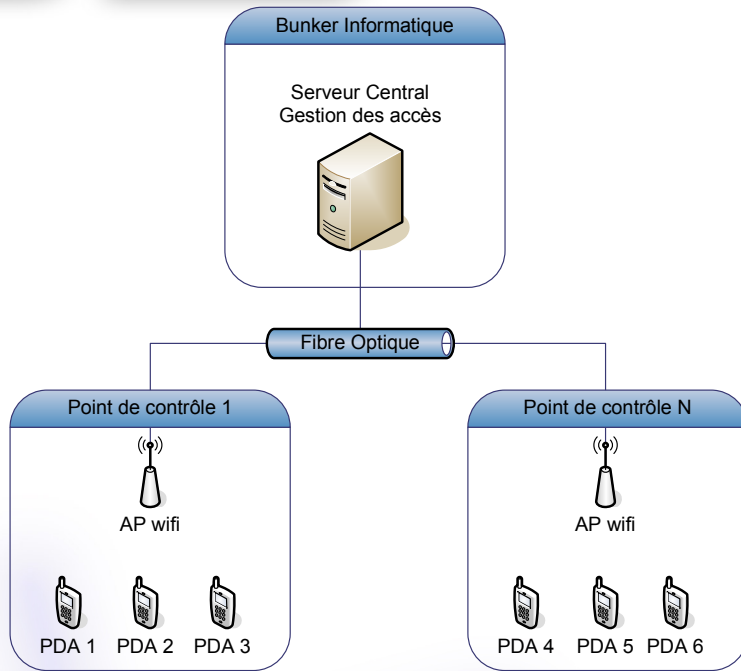


Schéma 1: architecture de la solution

Advantages:

- ⇒ Savings of several dozens man-days for preparation and mailing of tickets prior to event;
- ⇒ Automation of controls;
- ⇒ Improved fluidity at spectator entrances;
- ⇒ Increased security;
- ⇒ Professional, truly showcase technological solution which increases the professionalism of the organisation;
- ⇒ Several opportunities for improvement of the solution using RFID.

Hardware

**Integrated HF RFID tags in the entrance tickets
Mobile PDA readers (Psion)
Wi-Fi access points**

Software

RFIDEA Access Management

Database

MS SQL Server

Client testimonial:

“Our main reason for satisfaction is launch of a completely new electronic ticket machine created in collaboration with a Liege company (editor’s note: RFIDEA). We went from 2HP to Ferrari! Without exaggeration, I think we divided the time devoted to this essential task by ten. The tickets were printed in mid-July. And, within two weeks, over 35,000 tickets were sent to their addressees. Before, it took us 3 months to do the same! »

André Maes, Organiser of the Belgian Grand Prix
 lesoir.be - Thursday, 4 September 2008 - THIERRY WILMOTTE



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