



EBV

Regular feedback of equipment data and alerts to reduce maintenance costs.



MONITORING FRENCH ARMY EQUIPMENT STORED IN DIFFICULT ENVIRONMENTS

Since 2001, EBV, a specialist in information technology development, proposes a solution for tracking and monitoring personnel and equipment.

Deployable locally or remotely, EBV's solution facilitates company management by reporting information on the position of personnel teams and equipment in real time, thereby optimising and enhancing the safety of people and data.

Expert in its area, EBV was able to propose a solution to a problem the French Army had with the storage of equipment in military base hangars.

The problem was that the humidity and temperatures in the hangars deteriorated the storage conditions for garments and equipment, which consequently necessitated very frequent inventories or maintenance operations.

EBV therefore proposed to provide the French Army with its active RFID solution with temperature and hygrometry sensors.

To do this, the company had to collect, process and archive the data from the sensors in a difficult environment.



A NEED TO REMOTELY CONTROL THE ARMY'S EQUIPMENT

The conditions of use of EBV's solution by the Army necessitated working within tight specifications.

«We were going to equip sites in various countries, particularly in Africa or in the United Arab Emirates, where the temperature and humidity can reduce equipment service life and reliability. We therefore had to select robust gateways.

Furthermore, we had to remotely control these gateways because the security measures on these sites make our intervention in the field complicated» explains Malvina Piaskowski, Project Manager at EBV.

EBV approached Webdyn and requested an adaptation of the WebdynRF gateway, through a specific development, to record the data to be monitored by using RFID technology.

Malvina Piaskowski emphasised that «Webdyn had the necessary skills to integrate our supplier's RFID board into its WebdynRF gateway, transmit the information collected in a usable format (CSV format) and feed back alerts in the event of sensor failure or noncompliant data.»

Today, EBV uses nothing but WebdynRF concentrators, which have thus become an indispensable part of its tracking solution.



BY REMOTELY CONTROLLING THE GATEWAYS, EBV IS ABLE TO GIVE ITS CUSTOMER COMMITMENTS REGARDING INTERVENTION TIMES

During the first deployment, Webdyn adapted to the highly constraining demands of EBV, on whom the Army imposed very short response times.

As Malvina Piaskowski points out: «we were obliged to order gateways which had to be delivered to us within extremely short time frames from Webdyn. And although these were not standard products, Webdyn met these very tight deadlines by delivering us the gateways as and when they left the production line. Thanks to Webdyn's responsiveness and flexibility, we were able to meet the deployment schedules imposed by the French Army».

«The product training provided by Webdyn's support and technical services was personalised and adapted to our specific needs. This enabled us to install the products - which is moreover easy and fast - without assistance almost immediately», explains Malvina Piaskowski.

The reliability of the equipment, its autonomy and the remote control possibilities enable EBV to ensure an excellent quality of service and guarantee fixed intervention times in the event of failure or loss of information feedback.

Every 10 minutes the WebdynRF gateways feed back a .CSV file of data received from all the RFID tags and a file of alarms from the temperature, hygrometry and other sensors.

«The regular feedback of information concerning the equipment in the warehouses guarantees good conditions of storage. This makes it possible to reduce the frequency of maintenance and represents a real saving for the Army, therefore an excellent return on investment», points out Malvina Piaskowski.



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WEBDYN

flexitron group



FRANCE

26, RUE DES GAUDINES
78100 SAINT-GERMAIN-EN-LAYE



+33 (0)1 39 04 29 40



CONTACT@WEBDYN.COM



INDIA

803-804, 8TH FLOOR, VISHWADEEP
BUILDING, DISTRICT CENTRE
JANAKPURI, NEW DELHI 110 058



+91 11 39974696



CONTACT@WEBDYN.COM