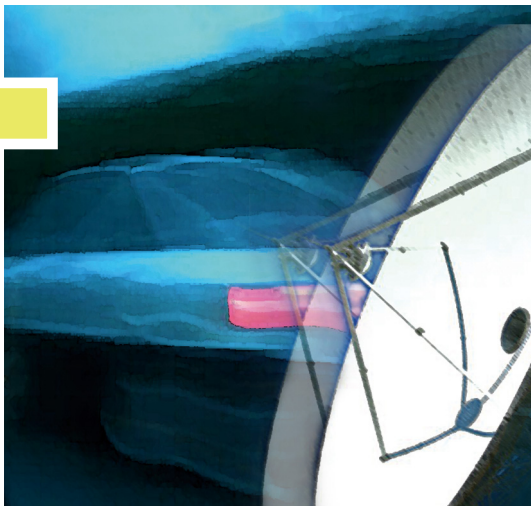


[REFERENCE CASE]

Project: Replacement vehicle tracking system

Customer: Cantonal Police Zurich

Solution: Ascom as general contractor with FELA Management AG supplying the vehicle equipment



VEHICLE TRACKING SYSTEM VEHICLES OF ZURICH'S CANTONAL POLICE - EQUIPPED WITH A NEW TRACKING SYSTEM

IN A POLICE OPERATIONS CENTRE ANY OPTIMISATION IN TERMS OF SPEED HAS A POSITIVE IMPACT ON SAFETY ISSUES. FOR THIS REASON, ZURICH'S CANTONAL POLICE INITIALLY EQUIPPED VEHICLES WITH A TRACKING SYSTEM.

ASCOM IMPLEMENTED THIS PROJECT AS GENERAL CONTRACTOR IN CLOSE CO-OPERATION WITH FELA MANAGEMENT LTD (SUPPLIER OF THE VEHICLE EQUIPMENT WITH THE CARLOC PRODUCT).

SINCE NOVEMBER 2005, THE VEHICLE TRACKING SYSTEM HAS BEEN SUCCESSFULLY IN OPERATION.

CUSTOMER REQUIREMENTS

The public tender for the „Replacement vehicle tracking“ project stipulated that the vehicles had to be equipped with a tracking system that could be linked to the emergency response system.

The cantonal police placed special emphasis on equipment that was easy to install in the vehicles and on the functional integration in the existing emergency response system.

Value for money procurement and operating costs were a further stipulation.

ASCOM TENDER

Ascom bid for the project as general contractor in conjunction with FELA Management AG (supplier of the vehicle equipment). Ascom recommended Swisscom AG as network provider for the public infrastructure.

On the strength of “Fulfilling the contract criteria” and the “Best Cost / Benefit ratio”, Ascom was awarded.

CHARACTERISTICS OF THE SOLUTION

Operations centre:

In the operations centre data for tracking the vehicles is linked with M-Link server from Ascom. This is able to display the position of the vehicles on all the dispatchers monitors in the Zurich cantonal Police operations centre. Specific parameters such as the distance or the time between two position coordinates can be directly influenced by the dispatchers.

As the vehicle tracking system is integrated in the broadband network, position information is also available at additional cantonal police locations.

Vehicle equipment:

The **CarLoc** product supplied by FELA Management AG and distinguished by its reliability and compact, robust design is employed. All requirements are fulfilled by the standard CarLoc system.

For tracking, i.e. for determining the current vehicle coordinates, the Global Positioning System (GPS) is used. The average accuracy is better than 20m and, in most cases down to a few metres.

Data transmission:

The Swisscom AG provider undertakes transmission of the vehicle identification, the GPS data and additional parameters required by the dispatchers.

From the vehicle, data is transmitted to a gateway configured to the requirements of the Zurich cantonal police via the GSM/GPRS service. The internet link to the cantonal police is secured against infiltration. Data integrity and confidentiality are thus guaranteed.

Thanks to the limited amount of data that has to be transmitted periodically by each vehicle the subscription costs for the GPRS link can be kept low.

Maintenance:

A convenient laptop, which has more than proven itself several times in practice, is available for maintaining the vehicle equipment.

BENEFITS AT A GLANCE

- Current position co-ordinates of all vehicle response units provide optimum support for the dispatchers. The monitors continuously display the position of the vehicles and the type of operation they are responding to.
- Additional option for transmitting an alarm from the vehicle to the response centre.
- Robust technology in the vehicle guarantees a long system life.
- Built-in diagnosis features ensure flawless, round-the-clock automatic operations.