

Project Note

# Mobile-Finder Vehicle tracking with Smartphone

Zühlke developed a software on a Smartphone to locate a vehicle's geographical coordinates by GPS. All address data are sent to a Smartphone in order to know the position and direction exactly.

## Task

Zühlke implemented tracking software on a Smartphone for various contractual partners. This application was to be developed to the point of market readiness. A vehicle's geographical coordinates can be queried at any time and its current position monitored thanks to a GSM/GSP unit installed in the car. The exact address data (street, town) as well as status information of the vehicle, such as speed, direction and other data are sent to the Smartphone. If desired, a map section as a bitmap image can be provided as well.

## Implementation

- Software development project management
- Specification of the use cases for the entire solution
- Design of the communication interface to the GIS partner and to the GSM/GSP unit
- Implementation of the software
- Testing of the solution in collaboration with pilot customers
- Market introduction in cooperation with the contractual partners



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## Technical Data

Development process:  
RUP

Platform: Treo 600,  
PalmOS

Development environment: Metrowerks  
Code-Warrior

## Customer Benefits

- The Mobile-Finder is user-friendly because it was implemented in accordance with usability principles.
- Zühlke has excellent knowledge of the PalmOS platform. Therefore, the Smartphone software was implemented in a very short period of time.
- The feedback from the pilot customers can be incorporated on an ongoing basis because the application was developed and tested in short iteration phases.

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