

# Performance Optimization of an Infotainment System

## Code analysis and optimization of an infotainment system

### Customer requirements

comlet was contracted to analyse the program code of an existing infotainment system. The reason was the insufficient overall performance of the system: Both at the start as well as when it was up and running.

The focus of this code analysis was on the performance optimization, especially on the reduction of the storage space required as well as the optimization of the logging mechanism. In addition to this, concepts were to be worked out that would subsequently improve the system as efficiently as possible.



### comlet solution

The code packages that were made available to comlet were, as a first step, analysed manually. The results were processed by comlet and presented to the customer.



Based on the analysis results a new logging concept was developed in the aftermath. Here comlet also showed possibilities how with the aid of object pools and a reworking of the event handling the performance can be improved even more. A further component of the consulting process was illustrating procedures with which the code can be structured in a uniform and consistent manner. The goals here were maintenance and performance improvement.

As a final step, comlet held a workshop with the members of the international development team in which the developed concepts on performance optimization were presented, explained and discussed in detail.

### Technology used

Java  
MS Office  
Eclipse

