

# Medical engineering

## Technology consulting for refractive surgery

### Customer requirements

comlet was assigned with the task of analysing and evaluating the quality of the firmware of a product that is already available on the market.

The focus of the requirements was on stability and performance as well as being able to support an effective maintenance process.

In addition to this, an in-depth consultation was required with regard to the software architecture and the concepts for planned new model series and follow-on products.



### comlet's solution

comlet first carried out manual analyses of the firmware sources. The results were prepared, analysed and presented to the development team, the management as well as to all of the suppliers involved in the development process.



In the next step concepts regarding measures to be taken for current and future projects with a view to valid standards and customer requirements were developed. These contained methods and processes that were customised both for the company as well as the product. These will positively support the implementation and maintenance process in the future.

Through a further concept the process and activity framework for upcoming software projects is set down and described. Solutions for continuous integration, for software configuration and variant management as well as consulting services regarding software architecture and test-driven development were provided by comlet.

#### Technology used:

Enterprise Architect  
MS Office  
Freescale Codewarrior  
Eclipse

