

# Usability

**G**ood usability results in products that enable the user to perform the required task effectively, safely and in a satisfactory manner. Good usability cannot be taken for granted and it requires special attention in the early design phase.

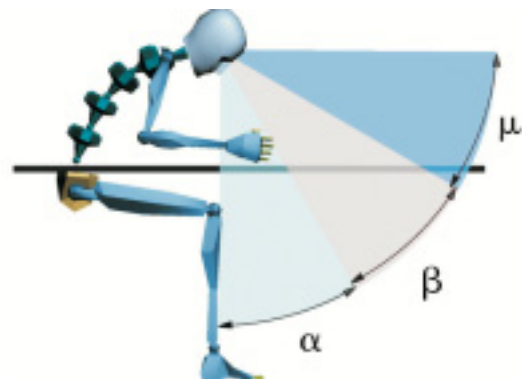
thinking aloud and eye movement analysis. The test report contains the identified usability problem areas and suggestions for nullifying them.

**Also enquire about our other usability services!**

## Usability Services

Elomatic offers diverse usability services for different design phases. Usability experts work in close cooperation with Industrial Designers and Basic Designers to ensure a result that is both effective and of high quality.

The content and extent of the service can be adapted to the customer's needs. The customer can for example choose a fast usability evaluation or a more extensive usability series combined with industrial design and other design services. We also offer training and consulting in user-centred product development.



### Usability Evaluation

A Usability Evaluation is an expert evaluation of the usability of a product. The evaluation can be conducted for a finished product or a product prototype. The evaluation report includes suggestions for changes to product features that will result in usability improvements.

### Testing

In usability testing the product's usability is tested with the help of the real end user either in the user environment or in laboratory conditions. The test can be conducted on finished products or on the product interface prototype in the beginning of the design phase. In usability testing the user performs predefined tasks with the product. The testing methods are for example observation, test subject

### Application areas:

#### Spaces, work environments

- control cabins
- ship passenger areas
- production spaces

#### Machines, devices and tools

#### Control and user panels

#### Software

- Product documents
- User and maintenance manuals
- Internet materials

#### Training materials

#### Product development

#### Study targets:

- Usability
- Accessibility
- Ergonomics

## Usability Study Phases and Benefits:

### Phases of a usability study:

- Familiarisation with product
- Product usability evaluation by expert or user testing
- Analysis and reporting of problem areas identified in the study
- Review of results with customer where corrective design solutions are sought for problem areas

### Benefits

- Identify features that weaken product usability and achieve efficiency, safety and profitability gains by eliminating them
- The usability study clarifies the product's exact methods of use and the demands placed on the product in these situations
- With the help of correctly timed testing the user's expertise regarding the product use can be harnessed cost efficiently in the product design
- Increased control over product development
- Eases the taking into use and reduces user support needs

## Versatile partner

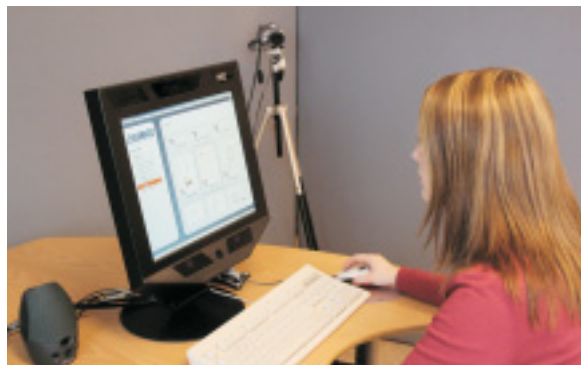
Our team consists of trained usability experts that also have experience of basic design. They work in close cooperation with industrial designers. Our know-how is diverse and our work is thorough and productive. Please contact us if you require more information about how our usability services can benefit your work.



Work station ergonomics simulation



User interface prototype



Eye movement analysis in usability study



Card Sorting - data structure definition



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