zühlke
empowering ideas

Individually developed control panels are easy to use and help you to control your machine more efficiently. Zühlke develops individual solutions based on standard hardware optimised for your needs.

Optimised Machine Operation

Initial situation

Control panels for the machine industry should have a stable hardware design and assure intuitive and reliable operations. They should also be affordable. The user interface has to be simple and convenient and provide optimum support for the operation of machines and automatic systems. Efficiency and operational reliability are the crucial factors.

What exactly does efficient operation mean?

To devise a consistent user interface, it is essential to understand the varying interests of the stakeholders involved, i.e. the customers, operating staff, mechanics, product management and marketing. Although obvious, this fact is often all but ignored.

In a first step, Zühlke sits down and talks extensively with users about their tasks, about their work environment and about possible improvements that might be made. Interviews and workshops are conducted to draw up user profiles and various use scenarios for machine operation.

Then Zühlke creates an interactive design to visualise the processes from the users' point of view. Throughout the project, Zühlke utilises fast and proven methods like personas and GUI prototyping tools.

Custom software and standard hardware

Thanks to their familiarity with control panels of different manufacturers, our employees can select the model best suited to your company.
Zühlke then develops a complete software solution based on the protoype. The development process is iterative and includes consistent testing that covers everyone involved. You profit from our vast experience in embedded software development and the Windows Embedded CE technology. Project success is thus guaranteed.

Your benefits

- You obtain a cost-effective solution thanks to the use of suitable standard hardware.
- Zühlke optimises the user interface for your machine. That means more efficient processes, greater throughput and less training for production staff.
- The improved operational reliability cuts the error rate and lowers the risk of accidents in production.
- We select a modular and object-oriented design to ensure the easy integration of any additional requirements that arise later on.
- The Zühlke team's methodical and iterative approach and its practice of involving all stakeholders in the process even during development ensures a solution that meets a variety of requirements.

Contact us if you are interested in improving your production with custom control panels.
We are happy to advise you, no strings attached.

Microsoft Partner
Gold Application Lifecycle Management
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Microsoft .NET

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