

The timely support by a top specialist in the project can bring many benefits to your team in a short space of time. Zühlke engineers have vast know-how in the most varied areas of modern product development.

Consulting **Development** Integration

# Short Term Employment in Product Development

## Expert Knowledge

We offer our customers our wealth of experience and methodical processes in product development. For some days or weeks, Zühlke specialists take over the management of the project or support your team with the latest knowledge.

## Patent Clarification

A patent search can be useful in the early stages of the project as a way of getting ideas and also to clarify what degree of freedom there is. Computer-aided innovations tools can be used successfully in this area.

## Innovation

Whether it is to find new ideas or innovating variants: methodical process is of great use, particularly in the creative phase. During the idea identification and evaluation phase we employ techniques such as brainstorming, bionics, morphology and decision matrix as well as the latest software tools.

## Reviews

A customer's product is analysed and evaluated. We identify risks and point out potential areas of improvement. We accomplish an FMEA, optimise the manufacturing costs, compute, simulate and make the product ready for production.



## Simulation

Simulation has developed into an important tool for cost and risk reducing virtual variant studies and tests. We use the latest tools for the following kinds of simulation: firmness, thermionics, optics, fluidics, physics, vibration behaviour, modal analysis, contact simulation, (non-)linear deformation.

## Troubleshooting

Product malfunctions arise again and again both before and after introduction on the market. Our team identifies the causes, define "Quick Fix" measures and make suggestions for lasting improvements.

## Project Management

Our projects managers have a broad experience from numerous projects in different industries and company sizes. Apart from the techniques for successful project management (iterative development process, project planning, controlling, requirement management, risk management, version- and change management) technological knowledge and soft skills are naturally of central importance are to us.

## Your Benefits

Our flexibility makes short, timely employment of our experts in any phase of development possible. You benefit profit from the specialised knowledge with which Zühlke supports your team.

Speak to us if you have a project idea. We plan with you – that way, your idea will get to market fast.



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