HARDWARE, SOFTWARE AND MECHANICAL DESIGN

Product development without interface chaos.

Electronics, embedded software, mechanical design and user interfaces: as an individual task or as a joint development project.



AI-generated concept illustration, not to scale, not a customer project.

We develop what belongs together.

Clarify interfaces early, align development stages together and keep later manufacturing in mind.

01

Electronics development

Electronics that fit the product.

Circuitry · PCB layout · EMC · Prototyping

02

Embedded Software

Firmware matched to the hardware.

Firmware · Drivers · Interfaces · Data logic

03

Device development and mechanical design

Electronics and mechanics become a device.

Housing · Mechanics · Integration · Industrialisation

04

Apps and user interfaces

Configure, operate and monitor devices.

Interfaces · Apps · Dashboards · User guidance

Your idea. Our interplay.

Hardware, software and mechanical design from a single source.

CONTACT

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HOW WE WORK

From the first question to the first “It works!”

From the requirements to preparation for series production. Together we clarify which steps your project needs.

01
Clarify requirements
Record goals, constraints and risks together.

02
Develop the system architecture
Align hardware, software and mechanics early.

03
Implement development
Develop circuitry, firmware and mechanical design in parallel.

04
Validate the prototype
Build, test, measure and feed what we learn straight back in.

05
Prepare industrialisation
Secure manufacturing data, test concept and handover for series production.

Where we can start.

Individual task
For example PCB layout, firmware or mechanical design.

Complete development project
From the idea to preparation for series production.

Develop an existing product further
Redesign, component replacement, firmware development or taking over existing projects.

Industries

Industrial electronics · Mechanical and plant engineering · Medical technology · Measurement technology & sensors · IoT & Smart Devices · Building & automation technology

Your development has a follow-on.

Use individual services or continue the project within the kessler Group.

DEVELOPMENT
kessler engineering
Develop a new device or continue an existing one.

PROTOTYPES & SMALL SERIES
EMSProto®
Circuit board assembly for prototypes and small series.

SERIES PRODUCTION
kessler systems
From the developed product to device assembly in series.

How a project starts.

1 **Send an enquiry**
Briefly describe your project, add documents if you like.

2 **First call**
Clarify development status, goals and next steps together.

3 **Start in confidence**
On request, an NDA before the first conversation.

What would you like to develop?

An idea or a specific task: let us talk about it.

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