



We Build Things That Work.

3D DESIGN FOR STARTUPS

NO IN-HOUSE 3D DEVELOPMENT?

We act as your complete 3D engineering unit – from first sketch to production-ready model – without the cost and delay of building an in-house team.

2025

Strictly Confidential, For Recipient Only

GOT SOME GREAT IDEAS? BUT...

Lacking 3D design and engineering resources?

Hardware startups work with small teams and tight budgets, but lack specialized design and engineering resources. As a result, prototypes take longer to develop, costs rise, and the market window threatens to close.

The consequences:



Delayed market entry – every delayed prototype pushes back series production, while competitors secure market share.



Increased design flaw risk – a lack of senior expertise leads to design errors that can later trigger costly redesigns or recalls.



Inflated burn rate – additional iterations drive up development and personnel costs and shorten the financial runway.



Loss of investor confidence – unmet milestones and rising costs undermine credibility and make follow-up financing difficult.

Sound familiar? Then you're facing the same challenges as many of our clients.

THE SOLUTION

Prototype data crafted by experienced product developers .

We help startups turn ambitious product ideas into reality – fast, precise, and cost-efficient. With decades of product-development experience, we know the questions to ask, the pitfalls to avoid, and the data your suppliers need. Our process keeps you in control while reducing uncertainty and saving resources.

1. Senior-Only Engineering

- Exclusively senior engineers with 20+ years of industry experience
- Ready to deliver from day one – no onboarding downtime
- Mechanical precision meets aesthetic excellence
- From concept to complete technical documentation

2. Efficiency & Time-to-Market

- Cut development timelines by up to 50%
- Production-ready CAD data, optimized for rapid prototyping and manufacturing
- Integrated compliance expertise (e.g., ISO 13485, IEC 60601)
- Smooth transition from prototype to series production without in-house CAD overhead

3. Business Impact

- Flexible scaling based on your project phase – zero long-term fixed costs
- Significant cost savings compared to full in-house teams
- ROI-driven: more budget for sales, marketing, and market entry
- Stronger investor appeal through fast, validated prototypes

CASE STUDY

From idea to market – fast, precise, production-ready.

From early concept to supplier-ready 3D data. We turn rough sketches into production-proof models – avoiding surprises, keeping timelines tight, and ensuring the product works as planned. ECAD Design Layout Included
⇒ High-end 3D data with SolidWorks 2025



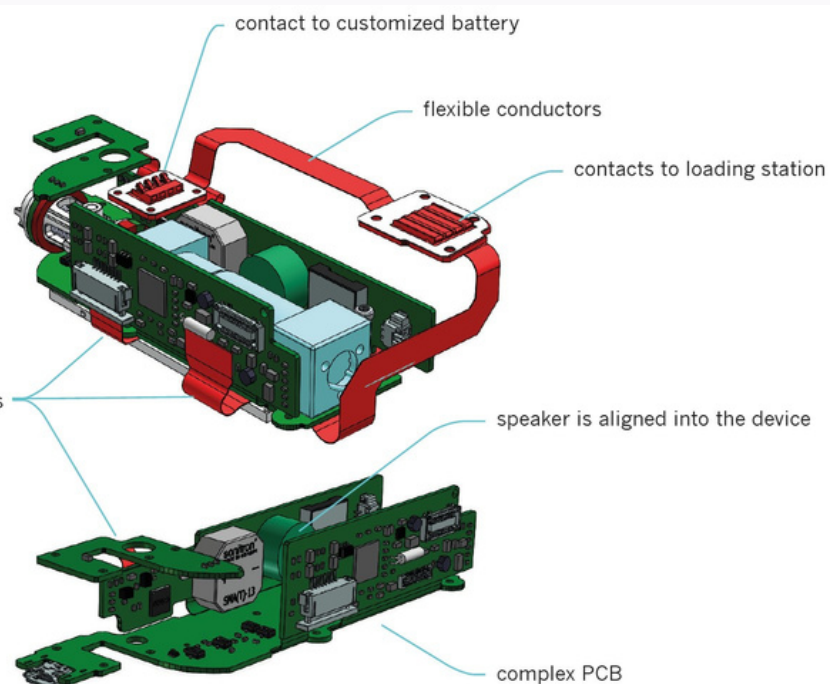
Approach:

We start from sketches, run 3D checks for alignment, define all materials, finishes, and colours, then create precise technical documents – with minimal feedback loops and maximum clarity.



Result:

Before a prototype is built, our 3D data reveals functionality and improvement areas – reducing risks, saving costs, and ensuring the prototype is a smooth step toward serial production.





PROTOSOLID was founded by Axel Fett and Florian Kehbel.

We operate from Berlin and Stuttgart, working hybrid with clients across Europe.

Our mission: remove friction from product development by delivering clear, supplier-ready CAD data.

All projects are secured by strict NDAs.

We are working with:



Recognized for design. Chosen for results.



reddot winner 2024
best of the best



CONTACT

Let's Make Your Product Idea Market-Ready

- Quick call – understand your needs, no strings attached
- Pinpoint the bottlenecks – where is your idea stuck?
- Start with a pilot – small scope, high impact

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