

Why Us?

interFace R&D - Where Innovation Meets Engineering

We specialize in end-to-end product development, transforming ideas into high-performance solutions.

Our expertise spans materials, mechanical, electrical, software, and hardware engineering, ensuring seamless execution from concept to production.

- ✓ Concept & Feasibility Analysis – Validating ideas and defining system architecture.
- ✓ Embedded System Development – PCB design, firmware, RT, and more.
- ✓ Mechanical & Electrical Engineering – Optimized design for performance and efficiency.
- ✓ Prototyping & Testing – Rapid iterations for validation and refinement.

Driven by **precision**, **performance**, and **innovation**, we turn concepts into reality.

Trusted By:



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Who We Are

interFace R&D is a cutting-edge research and development firm providing end-to-end solutions for innovative products and technologies. We specialize in delivering comprehensive engineering and design services across multiple domains, including software, hardware, electrical, mechanical and materials engineering.

What We Do

We accompany entrepreneurs from idea to product, offering full lifecycle support. Our services include market research, technology scouting, POC (Proof of Concept) development, industrial design, manufacturing, and branding. We develop advanced solutions for various industries, specializing in:

- **Embedded Systems:** Tailored solutions using microcontrollers (MCUs) from a variety of vendors.
- **PCB Design:** Custom-designed printed circuit boards for your specific needs.
- **Analog Measurements:** Expertise in creating precise measurement systems.
- **FPGA Development:** Advanced logic design and FPGA-based solutions.

Additionally, we develop complex applications in:

- **Software Development:** Python, C#, TypeScript/JavaScript, C/C++, Rust and more.
- **Native Mobile Applications:** Android and iOS apps designed to meet your specifications.

Our Expertise

We offer a wide range of technical expertise and support for the most demanding projects, including:

- **UX/UI Design:** Professional user experience and interface design to enhance usability and engagement.
- **Technology and Market Research:** In-depth analysis to identify the right solutions and technologies for your product.
- **Custom Development:** End-to-end development services that include not just software but hardware, electrical, and mechanical engineering.



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Why Choose Us?

- **Holistic Approach:** We handle the full product development lifecycle from A to Z.
- **Versatility and Expertise:** Our team includes specialists in software, hardware, design, and more, ensuring a well-rounded solution.
- **End-to-End Support:** From conceptualization and market validation to product launch and branding, we support you every step of the way.

Our Leading Team



Shahaf Baron | Founder & CEO



Shahar Schocron | Senior Software Architect



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Orr Fox | Senior C/C++ Real-Time Software Engineer



Elad Eshkol | Head of Board Design and Development



Amit Hilel | Head of UX Research and UI Design

[Get in Touch – Contact Info](#)

If you're looking for a reliable partner to take your idea from concept to reality, we're here to help. Let's make your vision happen.



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Our Projects

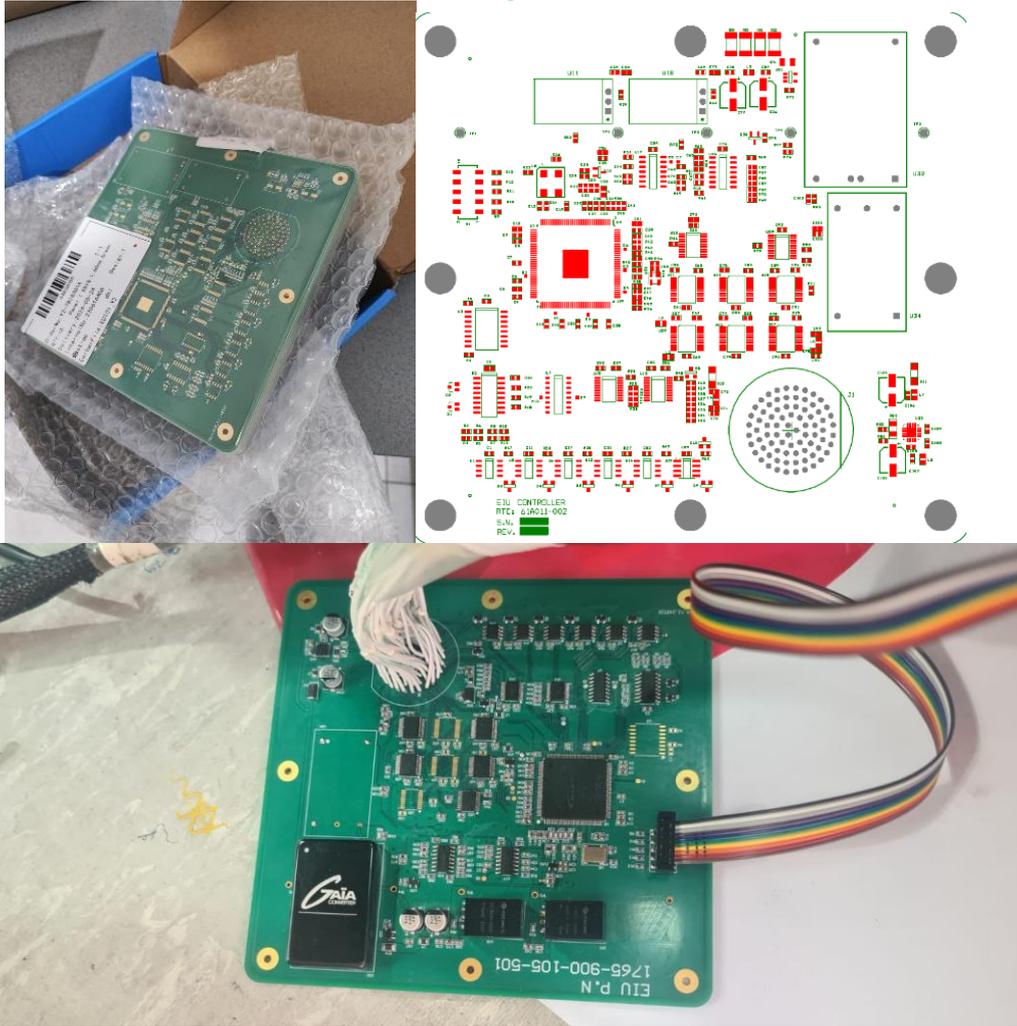


Figure 1: Design and firmware development for a liquid cooling control board using FPGA for military aircraft



Figure 2: End-to-end product: PCB design, firmware, native app, and 3D design for a connected device



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Figure 3: Development of waterproof bone conduction headphones for professional swimming teams

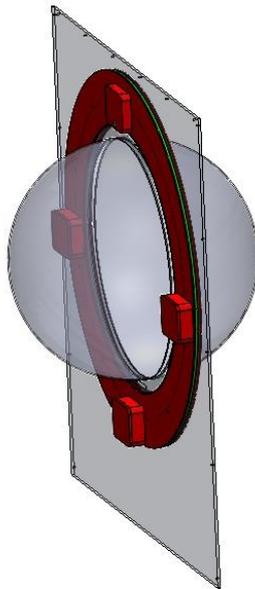


Figure 4: Complete IoT product design: CAD modeling, 3D printing, electronics, and a custom mobile app



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Figure 5: Mechanical and electronic design, system integration, and full assembly of a complex hardware product

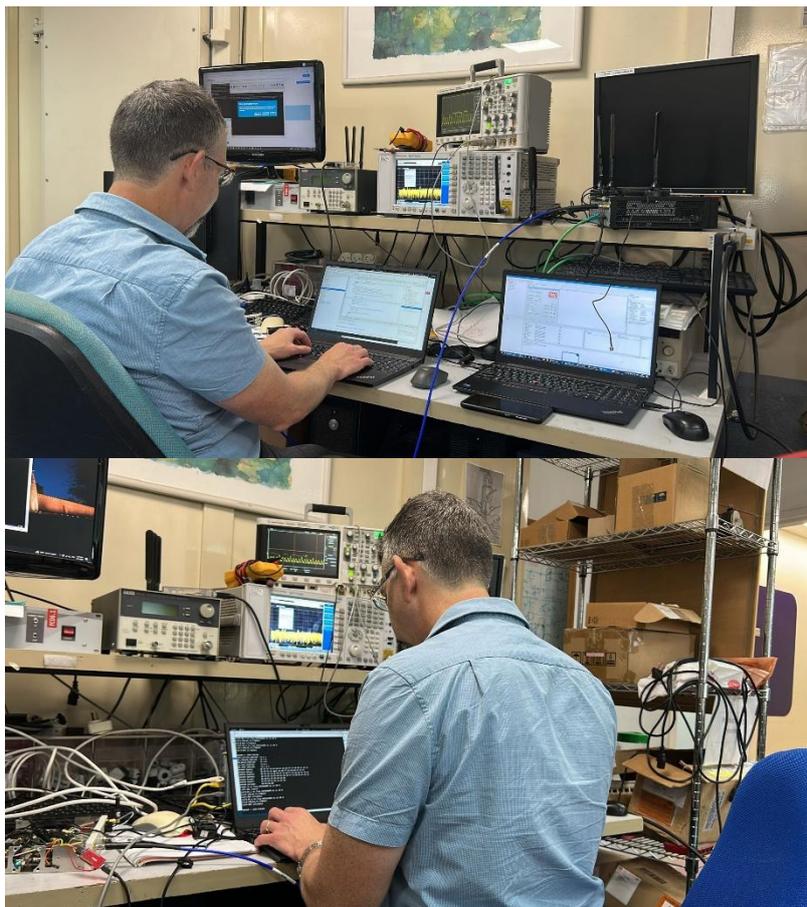


Figure 6: Advanced embedded software development for RF applications with in-depth testing



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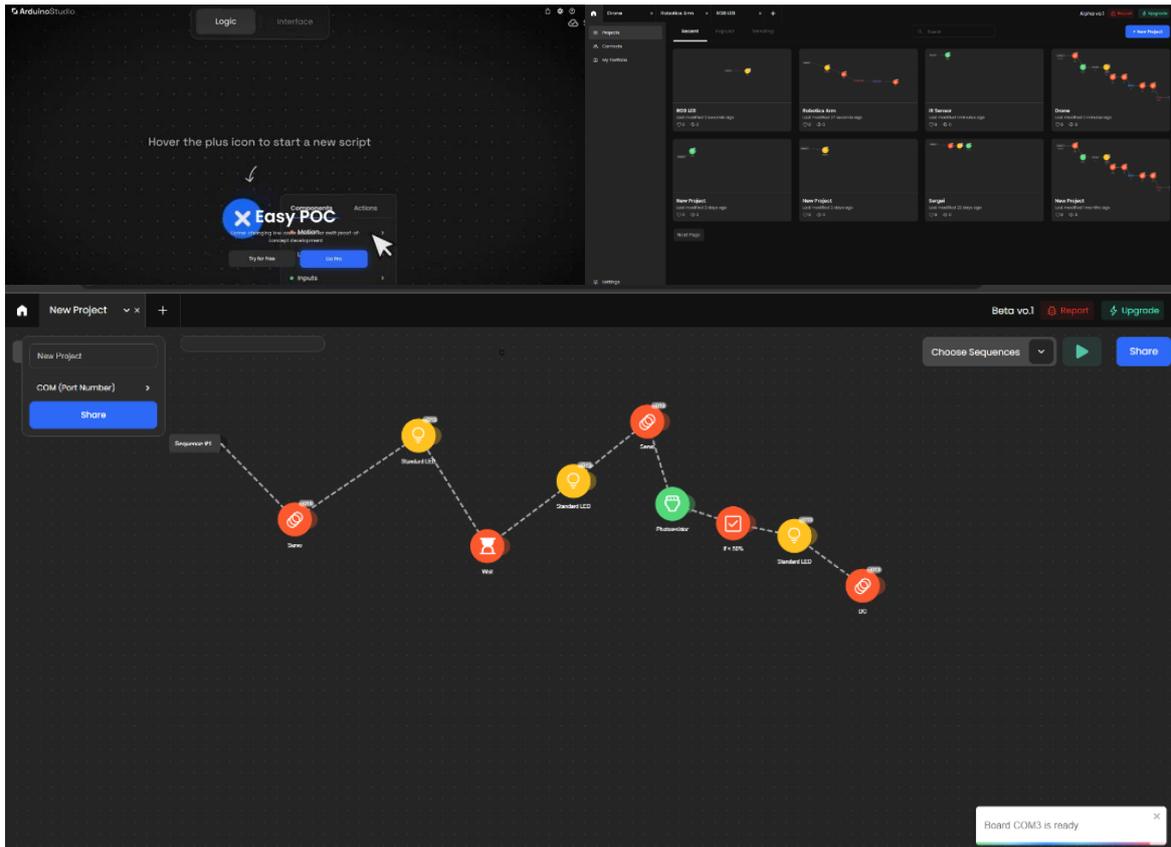


Figure 7: Full-stack web and mobile app development with responsive UI/UX and cloud integration

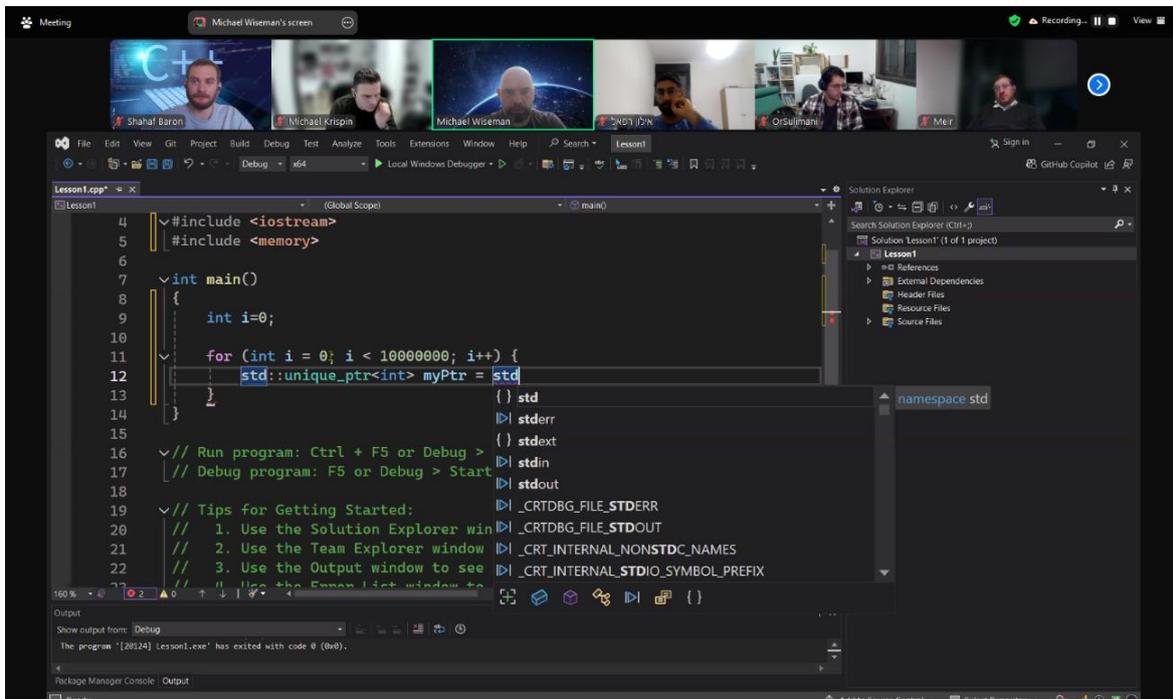


Figure 8: Professional developers' training and development courses

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