



## CONTACT US TO DISCUSS YOUR NEXT BIG IDEA:

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Helping innovators bring their ideas to life

WE WORK WITH THE BEST SO YOU CAN HAVE THE BEST

At NeuronicWorks, we design custom electronics and software for companies with a vision. Our team of engineers will turn your idea into reality through an extensive end-to-end product development process.

Over 200 successfully completed projects

16 industries disrupted with innovative technology

More than 400 years of combined experience

50 in-house designers and engineers



### Official Design House Partner for:



ELECTRONIC DESIGN HOUSE

| hardware | firmware | software  
| web and app design | UX/UI design  
| industrial and mechanical design  
| prototyping | testing and certification  
| manufacturing support





## HARDWARE DESIGN

Our hardware engineers are industry veterans when it comes to designing what's under the hood. From micro power to kW systems, from instrumentation to control, from analog to digital or mixed circuitry, we know what it takes to make things work from the ground up. Proficiencies: OrCAD, PADS, Altium, EAGLE, HperLynx, Apple's MFI Development Licensee.

## FIRMWARE DESIGN

Our team of software engineers specialize in the development and design of software for embedded systems. Let us design a solution that ensures your hardware works smoothly, efficiently and as intended. Proficiencies: C and VHDL, Apple's MFI Development Licensee.

## SOFTWARE DEVELOPMENT

We will take the time to understand the key requirements and strategically break down the task at hand. From there, we will design a solution that envelops your end goals utilizing the appropriate development environment and programming language. Programming proficiencies: C, C++, C#, Java, Python, Ruby.

## FPGA DESIGN

Our FPGA design engineers specialize in a wide range of applications including high speed data acquisition and processing, video processing, high speed memory and network interfaces, advanced algorithm development, ASIC prototyping and feasibility study, among others.

## WEB AND APP DESIGN

Let us create for you a responsive, user-friendly web and/or mobile application that will work with any smart device – phone or tablet. Whether your target customer is the end-user or a business (B2B), we have the right solution for you. Proficiencies: HTML, CSS, JavaScript, Objective-C, Java, Apple's MFI Development Licensee.

## UX/UI DESIGN

Our designers will help you understand your customer's User Experience (UX) and User Interface (UI) design needs, whether for web, mobile, desktop, or embedded systems. We will develop intuitive and cutting-edge solutions through rigorous research and prototyping, extensive user testing, and an iterative design process based on continuous feedback. Proficiencies: Adobe XD, Sketch, Figma, InVision.

## TESTING AND CERTIFICATION

Testing is an integral part of our design process and we plan for safety and regulatory compliance right from the concept stage of product development. At NeuronicsWorks we have developed numerous automated test systems and test jigs to support high volume production and work with reputed third party labs for environmental testing. Our team of experts guide you to prepare for, apply and obtain the necessary certifications and approvals.



**Our  
Design  
Your  
Success**

## INDUSTRIAL AND MECHANICAL DESIGN

The aesthetics of a product is just as important as its functionality or the components inside. We'll convey the idea you have in your imagination both on paper and digitally. It's tricky to perfectly match what you have in mind, so we'll continue to improve the look and feel of the idea until you're satisfied. Proficiencies: SolidWorks, Adobe Suite, MODO.

## PROTOTYPING

Nothing feels better than having your idea in hand. From the design stage to integration, we will build a functioning prototype for your viewing pleasure. Using techniques like 3D printing, or injection molding the end result is a realistic model that depicts your idea in a physical form.

## MANUFACTURING SUPPORT

We can help you leverage production in quantities to increase profit margins and make money! Now who doesn't want that? We will make sure that all industry standards are respected by fully supporting you throughout the process.