

CONTACT US TO DISCUSS YOUR NEXT BIG IDEA:

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Our Design, Your Success!

**HELPING INNOVATORS BRING
THEIR IDEAS TO LIFE**

**WE WORK WITH THE BEST SO
YOU CAN HAVE THE BEST**

At NeuronicWorks, we offer turnkey electronic product design solutions and support you through the entire product development lifecycle from ideation to manufacturing.

Over 250 successfully completed projects

16 industries disrupted with innovative technology

More than 500 years of combined experience

Over 60 in-house designers and engineers

Official design-house partners:



**ELECTRONIC DESIGN
AND MANUFACTURING
HOUSE**



hardware design | firmware design |
FPGA design | software development | web and app design |
UI/UX design | industrial design | mechanical design |
testing support | qualification and certification |
prototyping | PCB assembly | box build assembly |
high-volume manufacturing support |

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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.

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.

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.

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, hether 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.

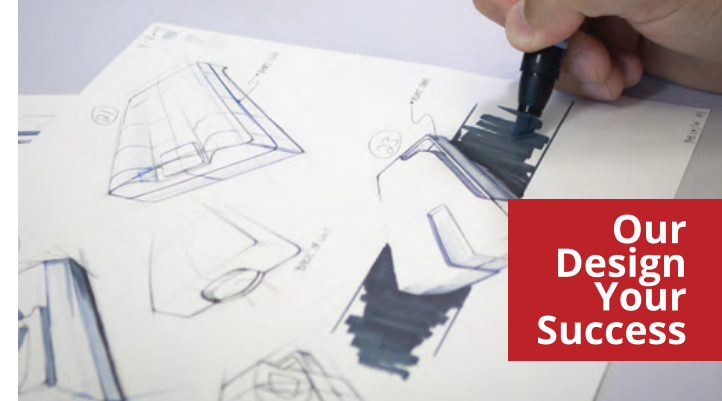
INDUSTRIAL AND MECHANICAL DESIGN

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.

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 NeuroncWorks 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.



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.

PCB ASSEMBLY

We don't just design, we also manufacture for you. Take your designs to reality by using our PCB Assembly services for prototype and low to high volume manufacturing. We manage end-to-end PCB Assembly from procuring bare printed circuit boards and electronic components, material management (purchasing, receiving and kitting), through to SMT assembly, through hole, testing, PCB repair and BGA rework as required.

BOX BUILD ASSEMBLY

We also offer full electrical and mechanical box build assembly services tailored to customer requirements. We ensure box builds are carefully constructed to perfectly house the printed circuit board assemblies, user interfaces, cable and wire harness assemblies while meeting design specifications and applicable safety standards requirements.

HIGH VOLUME MANUFACTURING SUPPORT

For high volume manufacturing requirements, we have the expertise and the right network of trusted channels that you can rely on. In preparation for high volume or mass manufacturing, we will prepare and share compatible manufacturing files (including BOM) for maximum production efficiency.