

MEC Innovation

MEC Innovation is an electronic engineering design and build house offering fully integrated product and electronics design for the medical, technical, transportation, military, HVAC, and other industrial and consumer industries. Outsourcing the design and prototype builds of the circuit board or complete product to MEC Innovation allows our customers to focus on their core competencies. At the same time it improves product development cycle times, engineering and R&D asset utilization, and overall product reliability.

C A P A B I L I T I E S

Leave the concepts, design, prototypes, deadlines and any other development problem to us.

Product Design

Electronics Design

Specification Development

Product Development Schedules

Board Layout

Component Selection

Software Programming

Obsolescence Review

FMEA

Prototype & Pilot Builds

Design for Manufacture (DFM)

Design for Test (DFT)

Design for Field Service (DFS)





MEC Innovation

C A P A B I L I T I E S

Speed to market; shortened development cycles are key

MEC Innovation understands the need for accurate and timely engineering design deliverables, as well as prototype, pilot run, and full first production runs of electronic assemblies. Our skilled engineers and project managers ensure every aspect of the development project is kept on track.

You can select the level of services to complement your internal resources and staff. For example, we've produced prototypes to finished product based on a simple napkin drawing, literally becoming the "electronics eyes and ears" for our customers, including full product and electronics design services. Or, we've filled in as a support player in a client's development team, adding our expertise and resources only as needed.

MEC Innovation works closely with its customers from concept stage to provide design assistance, offer productivity enhancements, and ensure design-for-manufacturability. Since so many of the products designed by MEC Innovation go directly into volume manufacturing by the other production divisions of MEC, our experience in Design for Manufacture (DFM) and Design for Test (DFT) can help ensure a timely, efficient transition from prototype to pilot to production, regardless of your final source of manufacture.

Choosing to work together from the initial stages of design often shortens the product development cycle and provides for a more manufacturable assembly. By integrating engineering, manufacturing, quality, and supply chain processes early on, MEC Innovation ensures each discipline addresses all design elements in advance, especially for critical short time-to-market products.

Whatever your unique product and service needs, MEC Innovation has the engineering staff, prototyping capabilities, manufacturing equipment, technology and capacity to meet our customers' increasing needs to outsource design services.

The team approach and rigorous testing ensure highest quality product

We utilize peer reviews of all designs in development to provide our clients with the most effective use of our engineering talent. The wide variety of projects we work on gives us experience well outside the scope of traditional in-house engineering departments. Every product we develop for our clients undergoes rigorous testing conducted against formal verification test documents to guarantee it meets its design specifications.

An ISO9001:2000 certified company, MEC Innovation brings 50 years of experience and a design staff dedicated to continuous improvement in every aspect of design, assembly, supply chain, and manufacturing. We believe our unique blend of engineering and design experience, coupled with our contract manufacturing business, provides our customers with a powerhouse of electronic resources from which to choose.



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ISO 9001:2000



Registered Company

Agency Approvals

- U.S. Navy
- CE (Self-reporting)
- CSA
- UL
- AGIA

