EMBEDTEK

Reinventing the wheel? It's our specialty.

EmbedTek creates, designs, and builds computers, software, sensors, cameras and displays for original equipment manufacturers. We're a team of talented mechanical, electrical, and software engineers that has yet to encounter a problem we can't solve. Because if we can't find the more cost effective, durable, accurate, or reliable solution our customers need, we just invent it ourselves.

Some customers engage us to develop a new product, some to improve upon an existing one. All of our customers are driven by the opportunity to solve end user problems with technology. We help turn this opportunity into profit by ensuring all of the necessary pieces are aligned for success — unique design, reliable components, seamless integration into existing supply chain, and proactive lifecycle management.

With us on your team, you will:

Get to market faster.

We leverage open standards and COTS components where possible and develop engineered hardware and custom software where necessary to provide a complete and custom solution for the computer, display, or camera system. Once in production, we provide integration for our solution as well as the supply chain management of all of its components. If it helps, we can even drop-ship the finished product to the end user.

Stay in a market longer.

Our first engagement with customers is often designing a purpose-specific computer, display, or camera system for an existing product. We see and feel production pain points that we work to identify, carefully evaluate, and solve. The more we get to know our customers, we can design new features and functions for their product lines to improve reliability, cost, and performance in a new way. When market needs arise that can be solved through technology, we work with customers to create entirely new products, equipment, and solutions that put them miles ahead of their competition.

Better allocate resources.

We serve as a single entity for our customers to manage instead of the traditional multitude of designers, manufacturers, and suppliers needed to get the job done. There is no handoff from engineer to contract manufacturer to yet another third party vendor. And, every product we design and manufacture undergoes regular product obsolescence review so that we can proactively help customers plan for updates that will impact the supply chain.

Company Stats

Founded:	2003
Ownership:	Privately owned by 4-person equal partnership management team
Quality Credentials:	FDA registered contract manufacturer for medical devices, ISO 9001:2015 and ISO 13485:2016
Revenue:	Undisclosed, but profitable with an excellent balance sheet, no long-term debt
Recognition:	Inc. 500, MMAC Future 50, Top Workplaces
Location:	Waukesha, Wisconsin
Facility:	50,000 square-foot office, engineering, and manufacturing facility all under one roof

Engineering

Market-impacting
IP creation

Product, system design

Rapid prototyping

Design validation

Embedded software

Regulatory

Production

Turnkey integration services

Speed and flexibility

Consistent delivery
of product

Characterized
components

Supply Chain

Design engagement

Maintenance

End of life management

Proactive phase in and
out of components

Supplier communication

Quality

Device history records

Root cause analysis

Pareto/trend analysis

Automated testing

Customer feedback and
corrective action

Complete Program Lifecycle Support

From design and validation through complete product realization and post-production software and hardware support,
you can trust that we are proactively engaged in keeping your equipment functioning at peak performance.

A Perfect-fit Solution for Your Industry-specific Application

Are you ready? Because we're about to ask you an onslaught of questions. When you work with EmbedTek, we become an extension of your team. So we do what any new employee would do – we study your company culture and product line evolution, get to know your industry, competition, market share, and operational efficiency. So whether we are building, designing, or inventing for you, we have the expertise and knowledge base to create the solution that has the best interest of your business in mind – now and in the future. Our team's collective resume includes systems that improve the quality of imaging in healthcare, simulation programs for civilian aviation training, video analytics in security, and much more.

Reliability You Can Bank On

No matter how innovative a solution is, it must be reliable. PC-centric technology that is mainly used by consumers has a much shorter design cycle than embedded computing in custom equipment. However, for the sake of innovation, original equipment manufacturers in healthcare, military, and industrial automation have transitioned en masse to solutions that utilize PC-centric technology.

As you can guess, they now deal with fail rates for individual components in the .25 percent to .70 percent range. Given that a piece of equipment may have as many as five computing systems associated with its application, these failure rates are unacceptable.

EmbedTek drives innovative designs that eliminate failure points through creative engineering, manufacturing expertise, and highly active performance assessments during integration and accelerated testing. We are consistently demonstrating component failure rates of 35 percent less than the manufacturers'. This gives our customers a strong competitive advantage when it comes to purchasing decisions.

Why wait?

We'd love to talk to you about your project. Call us today to see if we are a fit 262-367-3900.