

## Unlocking Potential – Smart Solutions for Innovative Companies

EmbedTek creates, designs, and builds embedded computers, software, sensors, cameras, displays and High-Level Assemblies. We have spent decades developing application specific computers, integrated displays, and custom I/O solutions for original equipment manufacturers (OEMs) and independent software vendors (ISVs). Incorporating technology into a customer’s product enhances the user experience and makes it more compelling in their market.

Our expertise has expanded to include working with OEMs and ISVs on IoT solutions, combining imaging and sensor technology with intelligent analytics, machine learning, and artificial intelligence.

Some customers engage us to design their next generation product to improve cost/quality/lifecycle, and some engage us to take a “proof of concept” and design for manufacturability, while others engage us to invent an entirely new product to capitalize on a market need that is not currently met. All our customers are driven by the desire to increase their

market share with technology. We help turn these opportunities into reality by ensuring all the necessary pieces are aligned for success – unique design, reliable components, seamless integration into existing supply chains, and proactive lifecycle management.

### Work with us to get to market faster.

EmbedTek takes a system-level, holistic approach to designing a solution based on initial concepts, needs and requirements from the customer.

We leverage proven technologies, open source software (OSS), commercial off-the-shelf (COTs) components, and existing supply chains when possible and we develop engineered hardware and custom software when necessary. This approach helps us provide a complete, custom, and perfect-fit solution for each application.

Our solutions predominantly incorporate sensors, image/video processing and act upon inputs and outputs (I/O) flowing through the customer’s product.

## EmbedTek Capabilities

Hardware	Software	Operating Systems
Sensors (Image, Acoustic, Pressure)	Analytics (Video, Audio, All Sensor Inputs)	Linux (Ground up Builds to Support Hardware/ Software Stack)
Analog and Digital TV Signals and Systems	Artificial Intelligence	Windows (Standard and Embedded OS Optimization)
Microcontrollers	Driver Development	RTOS
FPGA Design	FPGA Optimization	
Analog Design	Application Development	
ARM Platforms		
Mechanical Design		

The EmbedTek team incorporates and validates the technical, ergonomic, business, environmental, and regulatory dynamics of a project at each step of design. Once in production, we help integrate our solution and manage the supply chain of all its components.

EmbedTek has enabled OEMs to free up engineering resources while reducing those costs, increased OEMs market shares, revenues and time-to-market, and streamlined OEM supply chains.

### **Partner with us to stay in a market longer.**

Our goal as your strategic partner is to use technologies such as vision systems, interconnected sensors, machine learning, and artificial intelligence to differentiate your products, and develop markets.

EmbedTek is uniquely positioned to solve challenges and invent

new IoT platforms that are both scalable and sustainable throughout production and service life, improving reliability, cost, and performance in creative ways.

### **Collaborate with us to 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 hand-off from engineer to contract manufacturer to service provider which eliminates finger pointing in the event a problem arises.

Plus, 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.



4 GPU Image Generator



High Performance Image Generator



Medical Panel PC

## Company Stats

### **Founded in 2002**

Privately owned by a 4-person equal partnership management team

### **Quality Credentials**

FDA registered contract manufacturer for medical devices and ISO 13485:2016

### **Financial**

Profitable with an excellent balance sheet, no long-term debt

### **Location & Facility**

100,000 SF office, engineering, and manufacturing facility all under one roof in Waukesha, Wisconsin

### **Industries Served**

Medical Device, Industrial Automation, Civilian Simulation & Training, Wellness, Security, Military

### **Recognition**

Inc. 500, MMAC Future 50, Top Workplaces

# Intelligent Solutions

While every solution EmbedTek designs, develops, and manufactures for customers is unique, many contain proven technologies EmbedTek has developed over decades to use as building blocks. Below is a small sampling of systems. Learn more about our Embedded Computing capabilities and our Customer Successes on EmbedTek.net.

## Automated License Plate Recognition

- High performance image processor
- Custom printed circuit board with improved power distribution and custom display features
- Built to withstand extreme weather
- Compact and durable in-vehicle system
- Developed to accommodate future upgrades



## Portable Medical Image Generator

- High performance computing
- High-resolution, real-time 3D graphics
- Commercial off the shelf (COTS) computing components
- Proprietary control and power systems
- Medically rated for safety and regulatory compliance
- Lightweight, sleek and ergonomic



## Forklift Camera

- Real-time wireless connectivity
- High-performance original camera design that works well in low ambient light with good depth of field
- Durability to handle extreme and rugged environments
- IP67 standards for protection against dust and water ingress
- Touchscreen operator interface with Intel® processor



## 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](tel:262-367-3900)