



+ Company Overview

Vanteon is an electronic systems design and engineering company based in upstate New York. We provide early-stage design, system component, software development and testing services for equipment manufacturers that require reliable, robust, and technologically advanced solutions.



In the 25 years since the business was founded, Vanteon engineers have provided product realization services through over 500 projects for companies in industries that include avionics, communications, digital imaging, medical devices, smart grid, and transportation.

Collaboration with our customers and commitment to the success of their products is at the foundation of all the work that we do. Our project management systems maintain complete documentation of progress on a daily basis and we adapt these systems to match our client's systems for compliance with quality and regulatory requirements in each of the industry segments we serve.

Electronic Systems

- Feasibility studies
- Requirements definition
- Architecture, design & development
- Prototyping & integration
- Testing and certification
- Manufacturing transition and support

Quality Assurance and Testing

- IV&V for software and hardware systems
- Certification, regulatory and standards testing
- Customized software & device testing

Software Engineering

- Host drivers, mobile apps, middleware
- Porting, localization, SDK development
- Java, Linux, Macintosh, Windows

Embedded Systems Engineering

- Board design, layout, signal integrity
- Drivers, BSPs, stacks, applications, SDKs
- FPGAs, DSPs, 32-bit & multicore processors
- Wi-Fi, WiMAX, Zigbee, RFID, custom
- Software Defined Radio

We have found that our “Collaborate and Communicate” process improves the quality of finished products and accelerates the product realization process from earliest concepts to prototypes and production-ready systems.

Advanced design and engineering also requires advanced tools—and we have a comprehensive suite of tools for design, simulation, and testing. We also have experience with the leading embedded software development environments, device drivers, and board support packages. Our testing services include Independent Verification and Validation for compliance with industry standards and regulatory certifications.

We promise to deliver the highest level of engineering to our customers. **Contact us at 888.506.5677 to discuss your project.**

“I have found Vanteon to be a quality organization with a highly competent and motivated staff ... with an emphasis on exceeding customer expectation. They are a trusted partner for engineering services and software.”

Senior Subcontract Administrator, Kollmorgen Electro-Optical

Vanteon's Areas of Specialty

Avionics



Vanteon is an ITAR registered and COMSEC compliant partner. All of our engineers, project managers, and documentation specialists are responsible and accountable for complying with quality and regulatory standards for each project. Whether your project involves MIL-spec or FAA compliance, you can count on us to deliver.

Communications



We provide wireless & RF design and turn-key systems development services from software defined radio to custom designed DSP and FPGA hardware and embedded firmware for commercial and defense applications. WaveCaster™ Software Defined Radio royalty-free intellectual property from Vanteon can provide SDR core functionality that can be quickly customized to suit your project requirements. We also provide services for digital modulation/demodulation and coding, data conversion, multiple access, and RF system analysis.

Digital Imaging



From our earliest days we have been working with product development teams to bring several generations of electronic systems and embedded software for digital cameras, high-speed printers, and image editing software on Windows and Macintosh platforms to the commercial market. Many commercially available products include software or hardware we developed under contract.

Medical Devices



Our expertise with electronic systems architecture, design, and testing provides our clients with capabilities for creating medical devices that comply with regulatory requirements and meet market demands for advanced technology. Our teams are well versed in adapting our CMMI-based quality practices to conform with our clients' specific practices and systems.

Smart Grid



Our engineering team has delivered completed systems, components, and software modules for use in Smart Grid applications. Designing energy and resource management systems that combine wireless communications, legacy device interfaces, and compliance with emerging industry standards are strengths of our multi-disciplinary engineering and testing teams.

Transportation



Global positioning, automotive telematics, wayside communication systems, and intelligent vehicle control systems are a few application technologies where our experience has helped achieve project success for our customers. Our engineering team can develop turn-key systems to your requirements or work as an extension of your in-house technical group.

“Vanteon has differentiated itself by becoming a valuable extension of our team ... one that continuously shares its best practices and latest technology.”

Thomas Jackson, Program Manager, Kodak, and
Michael Coogan, Firmware/Software Manager, Kodak

Celebrating 25 years of service, innovation, and collaboration.

