WE HELP DRIVE

INNOVATION FASTER

Base2 can help your product development processes take flight

Companies in the avionics industry are under constant pressure to maximize profitability and improve operational efficiency. Delivering high-quality products on time in strictly regulated industries like yours can challenge even the most well-organized company. To get a competitive edge you need to embrace Digital Innovation – new technologies, methodologies, and culture.

At Base2 we specialize in helping your software development organization embrace Digital Innovation for immediate impact as well as ongoing agility and efficiency. We partner with you to help solve your most vexing problems by delivering the processes and best practices you need to speed and improve your product development processes. Faster, higher quality product delivery means reduced operating costs, increased scale of product delivery, and quicker time to market – all of which leads to better customer experiences.

OUR AVIONICS EXPERTISE

We’ve helped some of the most successful avionics companies reduce the uncertainty of meeting their project delivery, budget and schedule challenges. By working with us leading airlines and avionics manufacturers benefit from our deep expertise in aviation software systems and protocols. Leveraging our AS9100 certified process, we have been involved in software projects that include:

- Electronic Flight Bag system and software for a regional airline that helps manage flight parameters, provide weight and balance reports, download flight data in real time, and integrates directly with the airline’s backend systems.
- Inflight Entertainment systems leveraging QT software development framework for several airlines, including content encryption, encoding and data loading.
- Onboard aircraft self-contained speaker lecture/presentation solution that is used during flight by consumers.
- Data analytics software providing pilots and maintenance technicians with real-time insights as part of the aircraft fault management system.
- Electronic Distribution Software system that significantly reduced the time to load software on to new aircraft. The EDS system moved the process from outdated floppy disks to utilizing a secure, online electronic vault.
Where We Can Help

You’re not a software company.
As your aircraft becomes more connected and intelligent, your development organization may be spending more time on software and less on aircraft system. We can help you step back and look at the overall process to see where bringing in our software development expertise can allow you to focus on those areas of your business that you know best.

Your aircraft is becoming more complex and interconnected.
Your design teams may excel at designing individual aircraft or individual systems within an airplane, but as aircraft need to interconnect with each other, airport systems, and other enterprise systems to meet changing customer needs, the development process can seem like a Herculean task. Our experienced systems engineers have the tools, techniques, and processes needed to take complex problems and break them down into simpler tasks that can be solved in order to achieve the greater goal.

New initiatives aren’t working.
There may be agreement that a move to a new process or technology is necessary for the business and yet the desired changes are taking too long or aren’t going as expected. We can identify where things are going awry, whether due to cultural, procedural, or technological issues, and help you get your project back on track, fast.

You need a technology change agent.
Marrying legacy aircraft systems with today’s technologies can be difficult if your team lacks expertise in new technologies or your culture doesn’t support trying new things. We can bring the expertise needed to leapfrog these technology changes so that your team can stay current with changing product and market demands, and add new functionality to older systems.

Your product lifecycle process needs improvement.
For the highest quality products that meet customers’ needs and hit your market window, it’s important that the entire product lifecycle is well managed. We can guide you through the entire soup-to-nuts process. This starts with an accurate product definition that incorporates the voice of the customer; a product roadmap that sets out product features, minimum viable product (MVP), and market window; all the way through to production planning.

You’re looking for specific expertise or process improvement.
We can lend a hand by filling gaps in your team’s skillset either temporarily or on a long-term basis. Our DevOps and Systems Engineering staff can work with your team to help improve processes that will streamline and accelerate your development.
How We Help: Our Services

Improving product development has real business value, from reducing operating costs to enriching customer experiences. Base2 can help accelerate and improve your product development processes, while also helping you embrace Digital Innovation for more agility and efficiency going forward.

CUSTOM SOFTWARE
Our experienced software engineers develop innovative cloud, web, and mobile software applications that give you a competitive edge. Our engineering services range from embedded systems to enterprise application development and cloud services, including AWS and Azure.

SYSTEMS ENGINEERING
We build on the strength of your internal development and product teams to solve large, complex problems. We apply systems engineering tools, techniques, and processes to bring products to market more efficiently so that you can hit your delivery targets on time and within budget.

DEVOPS
We excel at refining DevOps practices. With our industry experience and tool sets we can increase the quality and speed of critical software projects throughout the entire development lifecycle. Your digital systems need to operate at peak efficiency 100% of the time; we ensure that your cloud infrastructure is always available, secure, and scalable.

SYSTEM INTEGRATION
Our consultants help connect diverse, proprietary, and legacy systems to the new, technologies necessary to be innovative and competitive. We build the technology bridges your product development lifecycle requires for quality, speed, and Digital Innovation.

INFORMATION SECURITY
Security is inherent in all our customer engagements. We provide the guidance, processes, and services to safeguard data, protect your assets, and ensure compliance whether through security architecture and design, software code-coverage solutions, auditing and remediation, penetration testing, or white box testing.

ARTIFICIAL INTELLIGENCE & MACHINE LEARNING
Smart, interconnected devices generate troves of data. From increasing business knowledge, reducing data storage and transmission costs, to eliminating unnecessary code we help you leverage AI and ML in the most beneficial manner for your products and development processes.
Our Unique Approach

We aren’t your average consultancy.

We have expertise and hands-on experience across a number of industries, especially highly regulated ones. That gives us a head start and speeds the learning curve when it comes to understanding your company and your products.

We are an extension of your team.

Your business objectives and project goals become our top priorities. We become an extension of your team—complementing your skilled engineers, technologists, and product managers. And we partner together to determine where we can add the most value, the quickest. We bring top talent who are experts in their field and are passionate about solving tough problems. We also utilize and share best practices and processes—to overcome obstacles and accelerate growth.

We earn your trust – every step of the way.

We’ve earned—and we cherish—our clients’ trust. We deliver quality work—every time, and we take great pride in our results and in developing enduring relationships with our clients.

Base2 assists companies in giving form to Digital Innovation and delivers the processes and practices needed to develop complex interconnected systems. We help companies solve challenging problems by taking a whole systems approach to designing and developing the technology, processes, security and Systems Engineering required for success. Companies across heavily regulated industries, such as aerospace, defense, transportation and medical devices, have utilized our expertise and best practices to speed up product development and accelerate time to market. To learn more about how Base2 helps drive Digital Innovation, please visit www.base2s.com.