JUMPSTART YOUR SPACE RACE

Ignite Your Engines with Base2 Product Engineering Services

Getting into space is literally a race to the finish line, and the last thing you want is anything slowing down your progress. Designing, building and finalizing the myriad systems and components necessary to get your satellite or rocket delivered on time can seem like a herculean feat. Delivering high-quality, safe systems and software on time can challenge even the most well-organized company. To get a competitive edge you need to embrace Digital Innovation – new technologies, methodologies, and culture.

Base2 specializes in helping you embrace Digital Innovation for immediate impact as well as ongoing agility and efficiency. We partner with you to help solve your most perplexing problems by delivering the processes and best practices to accelerate and improve your development processes. Base2 provides a dynamic and powerful skillset to help organize your fast-paced development programs, so your product gets to market quicker with improved reliability. Faster, higher quality systems and software delivery means reduced operating costs, increased scale of delivery, and quicker time to market – to orbit and beyond.

OUR COMMERCIAL SPACE EXPERTISE

Our team is expertly skilled in development processes across the complete product lifecycle from product roadmap to acceptance testing and ultimately production and launch.

We’ve helped commercial space companies overcome project delivery, production and supply chain efficiency, and real-time analytics challenges, including:

> Custom enterprise supply chain solution connecting multiple endpoints and microservices to predict and automatically order/reorder parts based on product development and launch cycles.

> Implementation of a quality management system integrated across a myriad of internal company services, for AS9100 compliance.

> Automated test development, verifying manufacturing quality and working order for satellite electronics.

> Real-time enterprise data analytics solutions to take advantage of newer tech stack and boost data rates.
Where We Can Help

Your mission and systems reliability need a boost.

Quality Management Systems (QMS) and software automation solutions are the key to mission reliability. Our talented team is adept at integrating quality and systems engineering tools into digital systems that enhance agile environments.

New initiatives aren’t working.

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

Your product lifecycle process needs improvement.

For the highest quality products that hit your market window, the complete product lifecycle needs to be 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 and support.

You’ve got an issue with throughput or acceptance testing.

Marrying legacy systems or programming languages with today’s technologies can be difficult if your team lacks expertise in new technologies. Our experts can guide these technology changes to help your team stay current with changing product and market demands and to add new functionality to older systems.

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 systems engineering, software development, and DevOps 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.

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**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.

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**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.

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**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.

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**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.

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**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.

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**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.