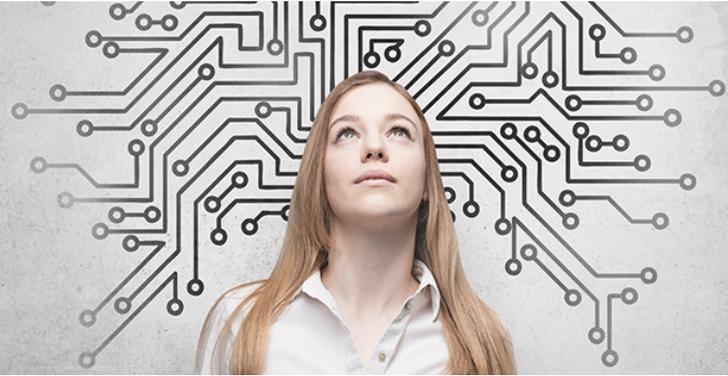**base2** solutions

SYSTEMS INTEGRATION

INTEGRATING DIVERSE SYSTEMS TO ACHIEVE YOUR BUSINESS GOALS

Executing on the development of innovative product ideas can be difficult, especially in an environment with diverse, proprietary and legacy systems. From entrenched monolithic enterprise applications to decades-old operational systems, companies want to leverage their investments in these systems to achieve their business goals.

Things get even more complicated as products become smarter, more interconnected, and need to keep pace with evolving market and customer needs. Our experienced consultants help you connect these systems to the new, nimble technologies your business and products need to be innovative and competitive in today's environment. We build the technology bridges your product development lifecycle requires for quality, speed, and Digital Innovation.

Successful system integration is all about understanding the interfaces between components. Our Systems Engineering teams excel at flushing out those interfaces, determining the chokepoints, and designing solutions to optimize the capabilities of your products.

BASE2 ADVANTAGES

Extensive industry expertise. Our highly qualified consultants have decades of experience in linking disparate applications, systems, and platforms as part of mission-critical projects in highly regulated industries, including aerospace, transportation, and medical devices.

Deep systems knowledge. Spanning legacy, proprietary, off-the-shelf, and open source platforms, systems, and applications, our integration experts have a deep understanding of the nuances involved in establishing seamless communication to create a unified solution that solves your business problems.

Forward-thinking mindset. We keep your business goals front and center while applying our expertise to deliver rapid, high-quality implementation. We focus on improving flexibility and scalability while reducing risk and cost through the technologies, processes, and best practices that make up Digital Innovation.

Passionate talent. Connecting your technology assets, no matter how difficult, fuels our creative passion. We don't stop at technology borders; we seek to bring them together with experts who understand exactly what's needed and how to implement it.
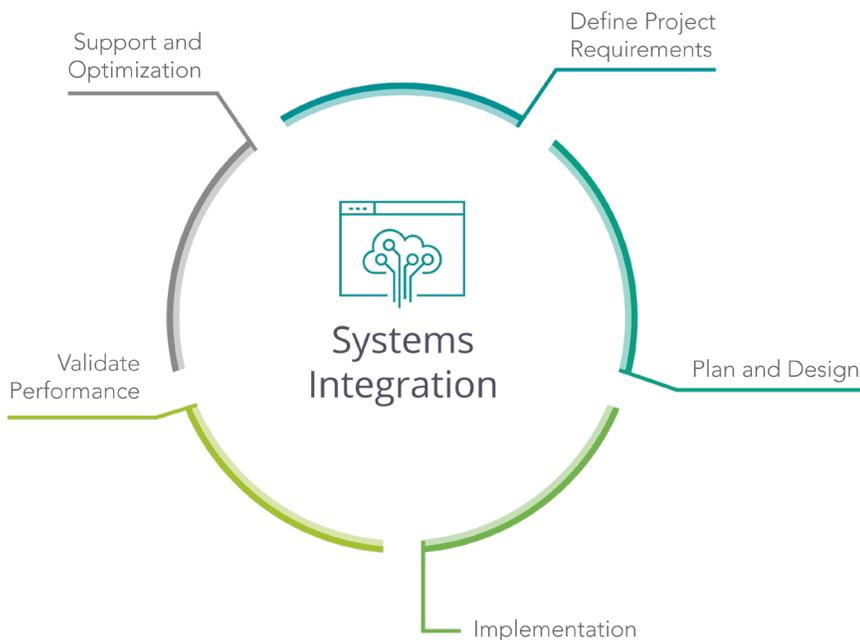
CUSTOMER SUCCESSES

Our systems integration expertise has delivered measurable business benefit to our clients:

> Integrated six cutting-edge subsystems into a new business-class airline seat in under a month to meet a trade show deadline. Our consultants diplomatically brought together product teams for inflight entertainment, seat actuators, sound, heating and cooling, and smart lighting systems.

> Created a user-friendly engine health management app that integrates with a new onboard vehicle management system, and other disparate operations and maintenance systems. The app captures engine data and allows mechanics to more easily see and act upon the data.

> Enabled client to meet market window by bringing an imaging device accessory from the lab to production after integrating the uncommon combination of an embedded system and a scripting language

WHERE WE CAN HELP

Our experts work closely with your team to thoroughly understand your business goals and apply the right talent when and where it's needed – from project start to finish.

> Understand and define project requirements and priorities from business leaders and stakeholders; agree upon architecture and roadmap

> Plan and design technical requirements and specifications

> Implement integration work, bringing in the exact expertise required at each project stage

> Validate and test system functionality and performance against requirements

> Establish a plan for support and ongoing optimization

AREAS OF EXPERTISE

> Cloud services including AWS, Azure, and Google to help you become a cloud-enabled enterprise

> Enterprise applications, infrastructure, microservices, software architectures, and data formats to bridge any-to-any technology gaps

> Emerging technologies, including AR, AI, and machine learning, to help accelerate and improve product development

> Ability to understand complex interdependencies across systems and processes for the most effective and efficient integration approach

> Broad and deep knowledge of software engineering, systems engineering, and DevOps best practices that ensure the success of even the most complex integration projects

> Risk management to ensure you know the problems we may encounter, and a plan to address them if they emerge.

Support and Optimization

Define Project Requirements

Systems Integration

Validate Performance

Plan and Design

Implementation