

Case Study: Professional Engineering Services

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PROFESSIONAL ENGINEERING SERVICES

Providing engineering resources for maximum flexibility.



Situation

A large leading tier one hardware and software solutions company was developing consumer-based products using the latest in technologies and tools. The push by the industry to deliver high quality products to market within a shortened lifecycle in order to remain competitive was threatening product quality as well as overall time to market. The customer's hardware and software development teams became stretched thin trying to complete development on current products as well as begin work on next generation products simultaneously. Unable to obtain additional headcount internally, they looked to VMC for the experienced team to keep them on track.

Solution

VMC provided a solution that flexed up and down to meet the dynamic demands of our client's market. The solution was structured to maintain a high level of product quality throughout the development lifecycle while allowing the right resources to focus on new technologies and product offerings. Resources from several disciplines were established on the client's site to enhance the overall research and development capabilities. These resources included:

- Electrical engineers
- Mechanical engineers
- Software engineers
- Test engineers
- Supporting technicians

By working with the client to gain a full understanding of the challenges as well as seeking direct input from customer management teams, VMC's customized solutions mitigated any identified risks. VMC also sought monthly feedback discussions with the customer management team and VMC project manager in order to keep the project on task and on budget.

VMC used standard mechanical and electrical methodologies on the project and also provided training to engineers in the use of CAD tools.

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Success

VMC's solution allowed the client to focus core engineering staff on new technologies, spending less time on current products and keeping up with the upcoming revisions to products. Product quality increased substantially by inserting vital resources and targeted processes into key areas of development. Specific areas of improvement were recognized within software quality assurance and hardware reliability.

Experience and longevity – with strong recruiting and a high level of client and employee satisfaction, VMC's ongoing professional engineering services have continued to provide value to the client for over six years. The client also realized revenue gains the business unit expanded.

Our engineering support allowed the client to release all products within the specified schedules and provided the flexibility needed to meet changing market requirements as well as the ability to respond real time to issues at the engineering level.

About VMC

VMC is a technology consulting company that provides flexible and scalable development and integration, IT outsourcing and customer care solutions to businesses, providing a competitive advantage through the effective application of people, process and technology. Using an integrated PMO methodology and world-class talent and resources, VMC delivers targeted solutions for the unique business needs of our customers.

By tailoring solutions to address specific business challenges, VMC becomes a true partner for reaching high performance business goals. VMC is positioned to help through both consulting and outsourcing that delivers results. Our value is in our blend of proven experience, skilled expertise and defined thought leadership.