

Wireless and Mobile Expertise

Overview

Networking applications have dominated most of the product development environment for the past 20 years and continue to remain in demand today with wireless, handheld, and mobile applications growing at an amazing rate. There is a constant demand for wireless and mobile (W&M) networks and applications to have greater processing power, be flexible and secure, and seamlessly integrate with other applications. Such competitive market conditions and technology challenges have made it imperative for ISVs to collaborate with partners to achieve product realization.

Sierra Atlantic has rich history of working in the networking space including switch and router technologies, network management solutions and integrations, network security, wireless networks, mobile applications, and network storage. Sierra Atlantic has the right tools, processes, and in-depth experience to help software companies develop innovative W&M applications quickly and cost-effectively.

The Challenges

The present day W&M applications are not stand-alone technologies and require the integration of multiple systems simultaneously. This translates into a challenge for software companies who must transform complex software applications into meaningful services.

These complexities require software product companies to work with a skilled and dynamic solutions partner. Sierra Atlantic has an extensive understanding of both the challenges and goals that mobile technology companies typically face which include:

- High quality, performance, and interoperability requirements
- Different radio and software technologies with complex inter-relationships
- Limited resources
- Complex build environments
- Difficult deburring processes

Sierra Atlantic's Expertise

Sierra Atlantic provides cost-effective and flexible end-to-end services that help W&M application and system providers develop, test, and deploy their applications. Our W&M solutions practice consists of both services to develop, test, and support applications as well as an established testing and certification lab.

For example, we have used this lab to help a client certify that its mobile application can process credit and debit payments according to international standards. We also offer experience, expertise, and standard knowledge in:

- ZigBee (IEEE 802.15.4 based) and other wireless MESH technologies
- GSM 11.11 digital cellular communications programming
- 3G mobile phone standards and technology

Sierra Atlantic's Differentiators

Leveraging our well-developed technical and management processes we offer our clients the benefits of:

- A large pool of domain specialists concentrating solely on networking applications.
- Wide and deep experience with multiple technologies.
- In-depth knowledge of hardware and embedded systems limitations and pitfalls.
- Extensive understanding of international industry standards.

- GPRS Solutions
- 802.11 wireless LAN
- Embedded Security and Encryption
- End-to-end wireless application development from embedded systems through to servers
- All important programming language and systems, such as C++ and Java

With a large pool of experienced mobile domain specialists on board, our expertise spans the design, development, porting, and testing of a complete range of wireless and mobile solutions, including enterprise applications, social network-based applications, location enabled applications, mobile games, instant messaging and multimedia applications.



About Sierra Atlantic

Sierra Atlantic is the leader in offshoring enterprise applications and outsourced product development. With expertise derived from deep R&D relationships with enterprise software leaders such as Oracle and Microsoft, we provide full lifecycle product development and IT services including implementation, integration, development, testing and support. Sierra Atlantic is amongst the largest IT services companies, offering services in the "New Oracle Economy", Outsourced Product Development and Microsoft competencies, with global delivery from both India and China. Over 200 active customers currently address their business needs leveraging our Nshore™ methodology and best-in-class Global delivery capabilities. A recognized leader in quality, Sierra Atlantic has been the recipient of many distinguished awards including Oracle Partner of the Year (3 years consecutively), Microsoft Gold Certified and NXT Delivery Partner, IDC DQ Top 20, and Great Places to Work. Sierra Atlantic is headquartered in Fremont, California and maintains operations in 16 countries across North America, Europe and Asia Pacific. For more information, please visit www.SierraAtlantic.com.

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