



Aton International, Inc.— Company & Competencies

Executive Summary

Aton International, Inc. enables companies to implement leading edge technology such as biometric imaging, physical access control, medical instruments and mobile and wireless devices into their solutions. Our clients include independent software vendors, systems integrators, original equipment manufacturers and enterprise IT professionals. Our company is a woman-owned small business offering software tools and components, consulting, design and development services for host access, mobile, wireless and embedded systems. Aton International, Inc. is privately held, and is 100% owned and operated in the USA.

Aton Today:

Aton International specializes in mobile and embedded systems. Our lines of business include software products, information products, consulting, and services to integrate devices, access data, develop smart client software and develop applications for Windows Mobile, XP Embedded and XP Notebooks or Tablet PC products .

We provide consulting and services to companies of all sizes—OEMs, ISVs and SI/ VARs to develop mobile/ remote products and solutions that add to revenue, reduce costs, and increase customer satisfaction. Aton 's focus is merging devices and systems for reliable data access and delivery. Our services include planning, system architecture design, and troubleshooting/correcting a problem with an existing project or application.

Aton commercial products are designed to assist an organization to optimize its existing IT investment while adapting to new business needs, by getting data out to mobile devices via smart clients and ASP.NET. Our products connect Tablet PC, Pocket PC and Smart Phones to enterprise servers and legacy mainframe systems using an organization's existing infrastructure to give workers real time information.

Our History:

Established in California in 1981, we shipped our first product, a personal computer operating system, that same year. The white paper written by our CTO and Founder, Charles A. Wilde, for our first embedded system product in 1984, continues to be a widely accessed reference on data communications with the Bisync protocol.

We expanded into desktop applications with the Windows operating system. Our expertise continued to grow and evolve to client/server networks, from Windows 9x to Windows NT to Windows 2000. We entered the Internet arena in 1994 and expanded into Web server applications in 1996 with mobile devices following in 2001. Aton International became a Microsoft Certified Partner in 2003. Aton International, Inc. is privately held, woman-owned small business which is 100% owned and operated in the USA.

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Project Methods

At Aton International, we apply modern software development techniques to overall project management by:

- breaking the project into manageable increments or modules, and
- the use of defined service packages for each project increment.

Each package spans a small, one to four week increment of engineering time with a defined deliverable goal and a fixed cost . At the completion of each increment, you have the option to choose the services of Aton International, Inc. for the next project module, or a utilize a different resource such as moving the project in-house.

Knowledge gained from the completed work can be factored into the deliverable for the next module. By managing the project through service package increments, you have both visibility and control over the overall direction of the project, while, at the same time, the outsourced engineering resources are empowered to develop a specific, accountable near term result.

This method makes it easy to start work quickly, and add or change requirements as needed. It offers you flexibility and control over your outsourced engineering efforts. You remain in control of the overall project.

Develop Once for Many Devices

Our agile methodology can be used for Windows Mobile Pocket PC, XP Embedded, Windows CE, or Tablet PC development. We can help you do common software development for systems ranging from a single handheld device to globally networked systems of mobile devices and desktop computers.

As a Microsoft Certified Partner and Microsoft Windows Embedded Partner, we can offer you the ability to leverage the extensive library of Windows applications for quicker development and seamless integration with existing Windows-based apps. The Microsoft Windows Embedded strategy is to deliver an adaptable and scalable platform for connected devices that enable rich applications and services offering flexible solutions for a wide range of customer needs.

Technical Capabilities

Aton's technical staff has experience with a wide range of tools and systems. Our company fosters a culture of continuous learning and experimentation. We start training on the latest technologies as soon as they become available. Because we have been developing software and firmware systems since 1981, we also have a repertoire of legacy system skills that becomes very useful in porting older systems to modern platforms, or in interfacing your current product with a legacy system. The following list represents a snap shot of our staff's experience.

- **Operating Systems:** Microsoft Windows desktop and server, Windows XP Embedded, Windows CE including Pocket PC and Smartphone, Windows Embedded for POS, Linux, UNIX.
- **Server technologies:** Microsoft Windows Server 2003, Windows 2000 Server, Small Business Server, ASP.NET, XML Web Services, Exchange Server, Biz Talk Server, SQL Server, Host Integration Server (SNA Server).
- **Programming Languages:** Microsoft Visual Studio .NET, Visual C++, C, Visual Basic .NET, C#, Borland Delphi, Visual Basic Scripting, VBA, Assembler.
- **Database:** Microsoft SQL Server, Borland Interbase.

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- **Web Middleware Development:** Microsoft Visual Studio .NET, XML Web Services, Infragistics, ASP.NET, Borland Delphi.
- **Web Content Development:** Microsoft Front Page, NetObjects Fusion, Macromedia Dreamweaver, Macromedia Fireworks, Macromedia Contribute, Macromedia Flash, Corel RAVE.
- **Embedded Systems:** Microsoft XP Embedded, Microsoft Windows CE, Windows Embedded POS (Point of Service).
- **Embedded Hardware and Device Interfaces:** A wide variety of 8, 16, and 32 bit embedded processors from Motorola, Intel, Zilog, Texas Instruments, as well as custom gate array processors and DSP co-processors. Our staff understands hardware and can interface effectively with your hardware engineers. Through our affiliates we can provide hardware prototype board designs as well.
- **Internet Protocols:** TCP/IP, Winsock, HTML, HTTP, Telnet, TN3270, FTP, etc.
- **Legacy systems:** Microsoft DOS, Windows 3.1, Windows for Workgroups, Windows 95/98, UNIX, IBM 3270, IBM SNA, IBM Bisync, IBM Token Ring.

What Services Does Aton Perform for Clients?

- **Systems Analysis, Technology Assessment and System Architecture Design:** Technical and cost analyses, system architecture design, project specifications, and vendor surveys and recommendations.
- **Mobile, Embedded and Wireless Systems:** Solutions for OEM product manufacturers including firmware development for a wide variety of embedded processors from Motorola, Intel, Zilog, Texas Instruments, and custom gate array processors in various environments such as I/O device controllers, communications processors, CPU monitors, digital signal processors, and dedicated real time environments.
- **I/O Device Interfacing:** Aton International has helped OEM's successfully integrate into their products such diverse devices as biometric scanners, Global Positioning Systems (GPS), process controllers for SCADA systems, optical storage, image processors, medical instruments, bar code scanners, electrical power control RTU equipment, automatic teller encryption devices, VSAT spread spectrum telecom systems, IBM mainframe channel adapters, and custom communication processors.
- **Data Communications - Local and Wide Area Networks:** Data communication protocol implementation, protocol conversion, and terminal emulation for diverse environments including Internet protocols such as WAP, FTP, TN3270, Telnet, TCP/IP, and Winsock, mainframe protocols such as IBM 3270, IBM LU 6.2 - APPC, IBM SNA/SDLC, IBM Token Ring LAN MAC layer, IBM mainframe channel interface, IBM Bisync, IBM 2780/3780, and diverse specialized protocols such as VSAT Satcomm, Harris DNP 3.0 SCADA, X.25/HDLC, asynchronous file transfer protocols, and intelligent communication controllers.
- **Enterprise Application Integration and Troubleshooting:** System integration and debugging of digital systems ranging from single board dedicated systems to elements of large globally networked systems.
- **Application Software Development:** End user application development using the traditional desktop application model or the more flexible server / smart client model. Our focus is implementing quality, sustainable applications using Microsoft technology ranging from the smaller Microsoft Embedded platforms to larger scale distributed systems utilizing the Microsoft server platforms. We integrate diverse elements such as XML web services, SQL database, communications protocols, Internet access, optical disk archiving, live video capture, image processing, firmware and embedded processors, and specialized I/O devices into systems to deliver consistent, reliable results.

It's Easy To Get Started On Your Project

It's easy to get started with a phone call or e-mail Aton International is a Microsoft Certified Partner with an ISV competency. Let us help you achieve your product goals faster and more cost effectively. Our Service Packages offer affordable agile development.

Find out how affordable our services are. Please phone us at 1-800 833-0835 in the US and Canada Monday through Friday from 8:30 a.m. to 6:30 p.m. Pacific Time or email sales@aton.com for assistance.