

endpoint protection innovation

Utilizing the Digital Workplace to Transform Security

Atos and Intel are teaming to deliver the workplace of the future. In today's mobile workplace, keeping data secure and safeguarding devices that connect to the network are becoming ever more challenging. Notebooks and laptops are targets for theft, either for the value of the device or the value of the data. Secure connections are essential for working remotely, yet businesses and governments struggle with millions of compromised passwords, difficulties managing certificates and problems with encryption performance and implementation. To meet these challenges, we offer endpoint protection services combining thought leadership and leading-edge technology such as enhanced hardware security and no-password virtual private networks (VPNs); solid-state drive (SSD) hardware encryption; 3-D facial recognition logon; and enhanced management—all designed to help protect your enterprise environment.



Meeting Today's Challenges

Atos has a long history in security, including supporting defense and security agencies and ensuring the safe operation of the Olympic and Paralympic Games. Through internal development, acquisition and partnership with Intel and other companies, we help you better manage your risk and improve operations.

We understand CIOs are challenged today to provide a secure environment to minimize loss of sensitive data. For example, one of the weakest links is the traditional user name and password. Events exposing this fundamental weakness, such as the August 2014 incident when hackers stole an estimated 1.5 million passwords, are often highlighted in press reports. Gartner Security analyst Avivah Litan recently stated, "Companies that rely on user names and passwords have to develop a sense of urgency about changing it. Until they do, criminals will just keep stockpiling people's credentials."¹ Atos offers the technology and expertise to address this and other pressing security needs.

Delivering Value to the Enterprise

Our endpoint security solutions are designed to address today's urgent challenges and provide real value to the enterprise. For example, many organizations have adopted solid-state drives for their devices to increase performance and security. Intel® Solid-State Drives (Intel® SSDs) supporting Opal™ allow the remote management of SSD encryption at the hardware level, enhancing security and offloading work from the device's CPU to increase performance for other computing tasks.

Many organizations that use certificates to validate user access to VPNs rely on cards or soft tokens. But using cards adds logistical complexity, while soft tokens add a level of risk. Intel® vPro™ architecture allows user certificates to be securely stored in hardware and associated with the user's device, simplifying end-user involvement. Adding biometric logon capability significantly enhances secure access to the user device by removing all passwords from the chain of access.

Put it all together, and corporate users can sign in to their notebooks simply by being in front of the machine—when they move away, the screen locks. Users then bring up their VPN application, the certificate securely stored in hardware is supplied to the application, and then the user clicks on a virtual keypad to enter a PIN. The process is completed in minutes, with no degradation in CPU performance to manage encryption. The notebook is easier to use, and more secure.

Atos Business Technologists, Powering Progress

The Atos approach combines the expertise and vision of our highly skilled technology advisory consultants, operational specialists and mobility experts. Working as trusted advisors, we help our clients develop innovative, practical approaches to their business cases. Innovation for endpoint protection can include:

- ▶ **Intel vPro-enabled devices:** In laptops and notebooks from multiple vendors, Intel vPro offers expanded management of your enterprise security with support for public key infrastructure (PKI), one-time password (OTP), protected transaction display (PTD) and identity protection technology (IPT). Along with VPN, IPT supports e-mail and document signing and Secure Sockets Layer (SSL) web site authentication.

For more information on the Atos and Intel Alliance, visit: na.atos.net/en-us/home/we-are/partners-alliances/intel.html

- ▶ **Hard drives:** Intel Opal-enabled hard drives are built for the corporate environment, enabling hardware encryption, remote management and increased performance on legacy hardware.
- ▶ **Biometric logon:** 3-D facial recognition allows much greater accuracy than past 2-D single-camera systems. 3-D cameras are now available, and the next step is to incorporate them into your environment.

Ascent Thought Leadership Program from Atos

Our Ascent initiatives are designed to share innovation and thought leadership with our partners and clients. Ascent Journey is a unique and comprehensive document from the scientific community in which Atos presents its predictions and vision for technology that will affect business in the years to come—stay tuned for Journey 2018, which will be released in December 2014. Ascent Look Out provides a bird's-eye view of the trends that will shape our world in 2014 and beyond, delivered by our market, business and technology experts across the globe.

About Atos

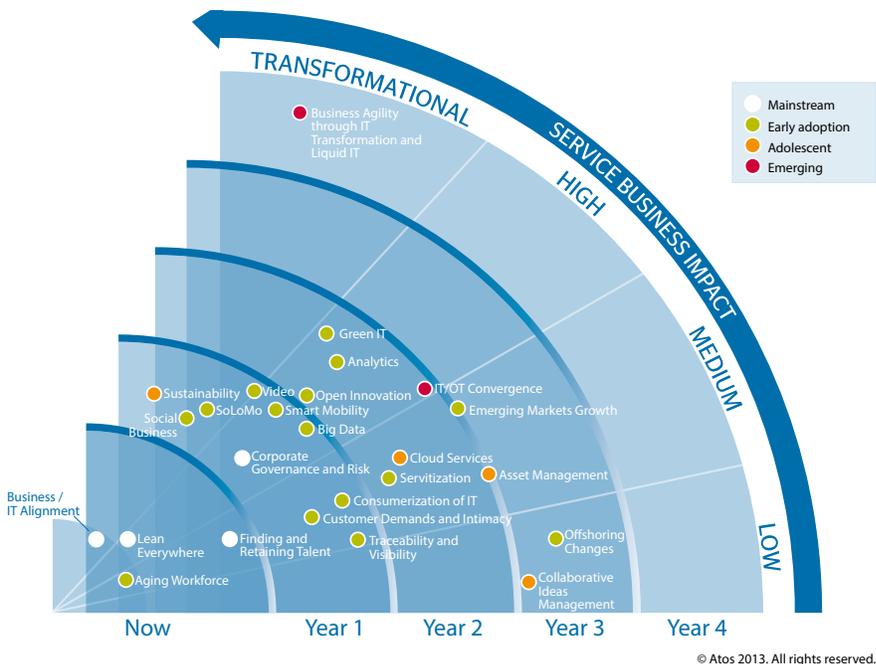
Atos SE (Societas Europaea) is an international information technology services company with annual revenue of € 8.6 billion and 76,300 employees in 52 countries. Serving a global client base, it delivers IT services in 3 domains, Consulting & Technology Services, Systems Integration and Managed Services & BPO, and transactional services through Worldline. With its deep technology expertise and industry knowledge, Atos works with clients across the following market sectors: Manufacturing, Retail & Transportation; Public & Health; Financial Services; Telcos, Media & Utilities.

Atos is focused on business technologies that power progress and help organizations to create their firm of the future. It is the Worldwide Information Technology Partner for the Olympic & Paralympic Games and is quoted on the Euronext Paris market. Atos operates under the brands Atos, Atos Consulting & Technology Services, Worldline and Atos Worldgrid.

About Intel

Intel (NASDAQ: INTC) is a world leader in computing innovation. The company designs and builds the essential technologies that serve as the foundation for the world's computing devices. For more information, visit: intel.com

Atos Innovation Radar: Mapping the Future



Regularly updated for our clients, the Innovation Radar diagram provides a pictorial view of our technology and market findings, allowing you to quickly understand how disruptive each trend is likely to be and the actions you might consider taking.² Each technology trend is analyzed from three perspectives: potential size of impact on your business, likely time to impact your business and the technology maturity.

¹ International Business Times, 5 Aug 2014

² Look Out Trends 2014+, 2014+ CxO Agenda Radar. More on <http://na.atos.net/en-us/home/we-are/ascent-thought-leadership.html>