



## Technology Evaluation Case Study

### Intel® vPro® Processor Technology

Predictive Enterprise  
Financial Services  
Risk Management and Compliance



“Intel® vPro™ processor technology is a breakthrough in PC management. Unlike other software management solutions, it works regardless of the PCs’ power on or off state. It can effectively improve our information security management ability and help reduce manpower cost.”

Chen Yuliang  
Manager, Information Department  
E.SUN Securities

## Managing PC Security Processes

E.SUN Securities evaluates Intel® vPro® processor technology to streamline security management processes

Taiwan’s E.SUN Securities is no stranger to using information and communications technology (ICT) to further its financial services business. More than 50 percent of its financial transactions are now done electronically. The company relies very much on technology despite being spread across 13 locations and supporting over 300 staff, E.SUN Securities has only 15 ICT staff to support its entire operation. As its operation and number of transactions grow, E.SUN Securities realized it needed to find better ways to streamline its IT resource management for both operational and security purposes and investigated Intel® vPro™ processor technology as a solution for their needs.

<b>Company</b>	E.SUN Securities is a leading financial services company founded in November 2000 that has over the last six years, heavily invested in developing ICT for its business transactions and processes.
<b>Technology evaluated</b>	Intel® vPro™ processor technology incorporating Intel® Active Management Technology (Intel® AMT) provides three key technology pillars E.SUN Securities needed: trust management, energy-efficient performance, and dynamic resource management.
<b>Challenge</b>	Streamline remote PC management process and improve information security management for PCs..
<b>Results</b>	Streamlined and simplified PC management through common technology embedded in PC processor.
<b>Impact</b>	Enabled management of remote PCs through a central console, with online status and better security management through timely software and security patch updates.
<b>Next steps</b>	E.SUN Securities can better sense the status of assets on its network, predict the health status of PCs based on automatic data collection, and then act upon the information using remote management technology, It wants to begin working toward becoming Predictive Enterprise that uses technology to maximize return on investment (ROI) and business growth by developing business processes and infrastructure that are connected and adaptive. Intel® vPro™ processor technology is the ideal choice as the basis for its information security management. Now E.SUN Securities wants to continue exploring the advanced features of the technology to further its aim to provide better services more efficiently.

### Challenge: Streamline PC security and management process

E.SUN Securities operates PCs in its network of offices spread across 13 locations in Taiwan. These PCs are part of its network of IT resources that are integral to the company’s financial services business. More than 50 percent of E.SUN Securities’ transactions are completed electronically and the PCs are an important part of the financial process, used for data entry, records access, and other financial services functions.

However, as competition within the securities industry develops, E.SUN Securities has to continually develop and enhance its technology leadership, improving upon its electronic transaction processes. A major underlying concern the company faced was streamlining the management of its IT resources, and especially maintaining the operationally ready status of its hardware and software.

E.SUN Securities’ management recognizes the importance of IT in its business. “When information systems become integrated and tens of thousands of customers undertake online transactions or

receive market information services, information security then becomes a very important management topic." says Chen Yulian, the information department manager at E.SUN Securities.

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### Technology Evaluation: Intel vPro processor technology

Intel® Active Management Technology (Intel® AMT) is a key technology for trust management incorporated into Intel® vPro™ processor technology. It provides remote management capability to PCs that not only provides E.SUN Securities with the ability to remotely manage PC inventory, operational status, and remote repair, it also complements, and improves upon the company's security efforts, and cost-effective service maintenance.

E.SUN Securities evaluated PCs enabled with Intel vPro processor technology, assessing its capabilities for the company's needs, particularly in the areas of IT asset control and security.

Through Intel AMT, E.SUN Securities can also keep their PC fleet updated with the latest security patches and anti-virus updates. At the same time, the company can maintain real-time live updates of all their PCs, regardless of whether they are powered on or off.

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### Results: Better asset management and improved security

Chen reported more effective control of IT assets, "Firstly, through Intel vPro processor technology's definition of asset management rules, information asset losses caused by improper asset management, or data disclosure caused by improper asset usage, can all be effectively prevented."

E.SUN Securities found they could also set security policies to prevent errant connections. "Secondly, through the System Defense Policy of Intel vPro processor technology, PCs not up to the company's information security policy standard will not be allowed connection," says Chen. "This can effectively prevent the chain effect of large-scale virus attacks."

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### Impact: Timely updates and efficient management

E.SUN Securities discovered that the ability of Intel® vPro™ processor technology to access and manage PCs without their being switched on has a tremendous impact on improving the company's security management operations. With this feature, the company's technicians were not constrained by office hours or PCs being shut down by employees, allowing them greater flexibility in their work. Even if PCs were powered off, they could be activated through the status, control, and monitoring capability of Intel® AMT to complete upgrade patches. This helps E.SUN Securities to ensure successful deployment of all software applications within the shortest time and keep security updates timely.

E.SUN Securities can implement better-bandwidth dynamic resources management and take advantage of low and off-peak periods (e.g., during the night) to deploy security updates remotely. The technology can power on PCs, install the patches, send back successful installation reports and then power off the PCs. This increases operational management of PCs without taking up bandwidth that is essential for online transactions during peak periods.

With Intel® vPro™ processor technology and Intel® AMT remotely on the network, it can now sense the presence and monitor the status of assets enabled—even when the PCs are powered off. E.SUN Securities can also collect data from all PCs automatically and instantly so that it can track and re-locate IT assets faster and more accurately. With the new system, E.SUN Securities could leave behind its old time- and manpower-consuming system.

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### Future: Intel vPro processor technology

E.SUN Securities' evaluation of Intel® vPro™ processor technology has demonstrated its effectiveness in meeting the company's challenge to improve its security operations. For E.SUN Securities, adopting the technology will also help it streamline its PC security processes and make PC management less obtrusive to staff using them, as well as more effectively utilizing its technical staff. Chen says, "It can effectively improve our information security management ability and help reduce manpower cost."

The company is looking forward to exploring the advanced management capabilities of the technology to further its aim to provide better services more efficiently. In the meantime, the company has chosen Intel® vPro™ processor technology to be the underlying model for its information security needs.

**For more information on Intel vPro technology, visit:**

[www.intel.com/vpro](http://www.intel.com/vpro)



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<sup>1</sup>PCs with Intel® vPro™ technology include Intel® Active Management Technology (Intel® AMT). Intel AMT requires the computer to have an Intel AMT-enabled chipset, network hardware and software, connection with a power source, and a network connection.

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