



Technology Evaluation Case Study

Intel® vPro™ Technology
Intel® Active Management Technology
Government
Technology Evaluation

Flying High with Intel® vPro™ Technology

The South West Civil Aviation Administration of China looks to soar through IT management issues with Intel® vPro™ Technology

Company	The South West Civil Aviation Administration of China (SWCAAC) oversees the administration and regulation of aviation matters in the Southwestern region of China.
Technology evaluated	Intel® vPro™ technology ¹ . Intel® Active Management Technology 2.
Challenge	SWCAAC is looking to enable accurate and highly effective remote management of its PC software and hardware assets.
Results	SWCAAC projects a 30 percent** decrease in manpower expenditure and a 40 percent** decrease in future system maintenance downtime.
Impact	Intel vPro technology significantly enhances the security of SWCAAC's IT infrastructure, boosts the efficiency of IT management and reduces overall PC management cost.
Next steps	SWCAAC has committed to adopting Intel vPro technology for their office desktop PC's and network management control stations.

“Chengdu Lande Industrial is very satisfied with the evaluation of Intel® vPro™ technology. It is turning out to be one of the best IT service tools we can offer to SWCAAC.”

Zhang Xiaomao
Chief Technology Officer
Chengdu Lande Industrial Co., Ltd

Challenge: Enable accurate and highly effective remote management of IT assets

The South West Civil Aviation Administration of China (SWCAAC) has always been an early adopter of technology.

In 1998, SWAAC was the first aviation administration in China to deploy a management solution for the civil aviation systems under its jurisdiction.

However, while the management solution was equipped with remote management features, it was still limited in functionality and portability, and SWCAAC was left seeking more efficient solutions to manage its IT resources and civil aviation systems.

Specifically SWCAAC faced three main challenges:

1. The legacy desktop management solution was obsolete and SWCAAC had no replacement solution.
2. SWCAAC was using antivirus software but had no way of ensuring the activation of the software on every desktop PC.
3. There was no software compliance enforcement solution to audit and prevent the use of unauthorized software on desktop PCs.

Technology Evaluation: Intel® vPro™ Technology

Turning to solutions provider Chengdu Lande Industrial Co., Ltd, which manages SWCAAC's IT infrastructure, SWCAAC began to evaluate PCs with Intel vPro technology with Out-Of-Band management features and expanded functions.

In addition to providing more secured protection for the stable operation of its IT infrastructure, Chengdu Lande Industrial needs to help SWCAAC cut IT maintenance costs, reduce losses caused by system downtime and enhance IT management efficiency across the board.

To do that, Chengdu Lande Industrial is looking to provide accurate and highly effective remote management of PC software and hardware assets for SWCAAC. This meant testing vigorously the Out-Of-Band remote management

of PC hardware, power management, logging-on BIOS configuration interface, and even the remote fault checking and recovery features of PCs with Intel® vPro™ technology.

Chengdu Lande Industrial evaluated the ability of PCs with Intel vPro technology to enable network flow monitoring of PCs as well as monitor agent operation for key businesses.

To improve PC security at SWCAAC, Chengdu Lande Industrial also evaluated the capabilities of PCs with Intel vPro technology to offer protection from malicious virus attacks by blocking the operation of software such as peer-to-peer file sharing and chatting applications.

Results: Significant reduction in manpower expenditure and system maintenance downtime

As chief information officer of Chengdu Lande Industrial Zhang Xiaomao explains, Intel vPro technology not only significantly enhances the security of SWCAAC's IT infrastructure, it also boosts IT management efficiency and reduces IT management cost across the board.

"Basically with Intel vPro technology, we can remotely handle situations where the operating system fails and cannot be booted up without desktide visits. This will boost our operational efficiency significantly," says Zhang. "As for hardware fault, we can also analyze which hardware the problem lies in, and then take the relevant hardware for replacement directly. With these capabilities, we have reduced necessary IT on-site visits and increased work efficiency."

This in turn translates to a projected a 30 percent** decrease in manpower expenditure and a 40 percent** decrease in future system downtimes.

In addition, PCs with Intel vPro technology offer hardware-based protection features against malicious virus attacks, actively blocking the affected PC's network connection and limiting its influence on the network.

Going one step further, PCs with Intel vPro technology also allowed SWCAAC to block the use of software which are deemed high-risk, proactively securing SWCAAC's mission-critical systems.

Impact: Intel® vPro™ Technology set to enhance SWCAAC's IT workflow

Both SWCAAC and Chengdu Lande Industrial could not be happier with the results of the evaluation.

The full deployment of Intel vPro technology stands to significantly enhance SWCAAC's capability to automatically manage PCs remotely and reduce necessary desktide visits in the event of hardware or software failure.

In addition, Intel vPro technology also significantly boosts the security of SWCAAC's IT infrastructure and enhances system stability with its protection features.

These capabilities are not only critical for smooth office operations; they are also invaluable to aviation infrastructure such as the flight inquiry system, departure control system, broadcasting system, security system and flight information display system. These systems emphasize heavily on system stability and protection from viruses. Intel vPro technology will form an integral part of an advanced IT management solution for office systems and for managed airports.

"We are very happy with Intel vPro technology. It is really fantastic and we are confident that Intel vPro technology will soon be indispensable to civil aviation systems in China," says Zhang.

Future: Intel® vPro™ Technology the future for remote IT management

With the successful evaluation of Intel vPro technology, SWCAAC looks set for a full deployment, with plans to utilize the technology in its new office space.

According to Zhang, SWCAAC also intends to promote Intel vPro technology in the office systems and business operation systems of more than 80 airports under its management in Sichuan Province, Chongqing City, Yunan Province, Guizhou Province, the Tibet Autonomous Region and other related airline companies. SWCAAC can definitely look to the sky as the limit in securing an advanced IT management solution for China's airport of the future.

Find a solution that is right for your program. Contact your Intel representative or visit the Intel Business/Government Web site at intel.com/go/government or visit the industry solutions-specific sites at intel.com/business/bss/industry

For more information on Intel® vPro™ technology, visit www.intel.com/vpro



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¹ 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.

*Other names and brands may be the property of their respective owners.

**Source: Chengdu Lande Industrial Co., Ltd.

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