



DOE Approved National Laboratory, TAKE Supply Chain, and Pragma Systems: The Science of Creating a Truly Secure Wireless Computing Solution

The Client: A Department of Energy Approved National Laboratory

Our client is a premier U.S. national security research institution, delivering scientific and engineering solutions for the nation's most crucial and complex problems. Their primary responsibility is ensuring the safety, security and reliability of the U.S. nuclear deterrent. In addition to supporting its core national security mission, the Lab's work advances bioscience, chemistry, computer science, earth and environmental sciences, materials science, and physics disciplines.

Further, the Lab's personnel play leading roles worldwide in basic and applied scientific research and technology. Whether it's conducting crucial experiments in space or developing breakthroughs in nanotechnology that help determine how best to prevent the spread of HIV and avian flu, this national laboratory leads the way. Their research and development also helps curb a wide variety of threats to U.S. interests — whether it's the proliferation of nuclear weapons, the spread of deadly diseases, inadequate supplies of energy, or the effects of climate change.

The Solutions Partner and Reseller: TAKE Supply Chain

TAKE Supply Chain, a division of TAKE Solutions, Inc., offers proven software solutions for supplier collaboration, returns management, mobile data collection and barcode/RFID printing. TAKE's solutions work in conjunction with a company's existing applications to expand rather than duplicate functionality, thus eliminating inefficiencies in the supply chain.

By using single data-model architecture, TAKE delivers on the promise of enterprise resource planning (ERP) systems with fully integrated supply chain execution and collaboration solutions that address functionality issues inherent in most ERP system implementations, enabling customers to meet their unique business requirements.

The Challenge: Deploy a Wireless Solution that Doesn't Breach National Security

Since 2005, the national lab has worked with TAKE Supply Chain in a variety of capacities, most recently in their efforts to deploy a wireless solution for handling payment transactions with suppliers — a project made all the more challenging by the security environment the Lab operates within. The Lab is run by the Department of Energy (DoE) within a network-restricted environment. “The DoE asked TAKE to develop a secured, state-of-the-art, wireless transaction solution that was compatible with the Lab’s existing computing platform,” said David Thorpe, Project Manager, TAKE Supply Chain. “That’s when we turned to Pragma.”

The Effective – and Cost-Effective – Solution: Pragma Systems’ Pocket VT

Pragma and TAKE collaborated to put together an integrated Telnet/SSH wireless transaction solution based on Pragma’s Pocket VT handheld client technology that was able to meet both the Lab’s technical computing requirements as well as its lockdown security standards. It was critical that the solution also complied with existing Federal Information Processing Standards, or FIPS, requirements.

“We were required to leverage the Lab’s existing security infrastructure, which limited the protocols we could use to access,” explained Thorpe. “Pragma stepped in and helped us put together a solution that was exactly what the DoE ordered.” Pragma’s Sultan Ahmed, lead developer for Pragma’s mobile solutions, said the company customized its PocketVT product to create an optimal remote computing solution for use by the Lab’s team and vendors with a Windows®-driven Intermec device.

Andrew Tull, vice-president of sales and marketing for Pragma Systems, confirms that the solution developed for the Lab’s solution by Pragma, which is known for its secured wireless computing approaches, underscores Pragma’s effectiveness at working hand-in-glove with each client’s existing infrastructure.

“Partnering with TAKE to achieve an optimal remote computing approach for a client as prestigious as this national laboratory proved to be a terrific validation of our operating philosophy,” said Tull. “At Pragma, we are single-minded in our commitment to helping the client put in place a secure solution that works in whatever environment they already have in place.”

Pragma Delivers!

The national laboratory and TAKE Supply Chain are just two of more than 4,000 organizations that rely on Pragma's outstanding performance, superior customer service and across-the-board reliability. Call Pragma today and learn how we can help your company by providing:

- Best-in-class choice of Telnet or SSH to build your solutions
- **Reliable, proven enterprise-grade secure connectivity software** for all Windows environments:
 - Highly-secure – offers a protocol for secure remote login and other secure network services over an insecure network;
 - Facilitates **data and system management**;
 - Allows **secure file transfers**; and
 - Provides consistent, **reliable application delivery**
- Gives you and your company a **powerful, convenient** approach to protecting your network
- Superior and **responsive customer service** – both throughout the sales process and during lifetime of usage
- Offers **peace of mind**

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