

Siemens Indonesia



Siemens Indonesia Improves Manufacturing Productivity with Riverbed SteelHead and SteelFusion Solutions

Siemens is one of the largest and oldest European engineering companies in Indonesia, delivering cutting-edge solutions and technologies in the fields of energy, industry, healthcare, and infrastructure and cities. Established in 1909, PT Siemens Indonesia employs over 1,800 people.

Challenge: Limited bandwidth and large server footprint at manufacturing site

PT Siemens Indonesia operates across several cities in Indonesia, and its wide-area network (WAN) is the foundation of its globally connected enterprise, enabling collaboration, communication, business productivity, and risk mitigation.

“To support our daily operations, it is paramount for our offices and manufacturing sites to have a high-performance WAN as a foundation for seamless connectivity and productivity,” says Rifan Adi, Head of IT, PT Siemens Indonesia.

One of the company’s most important manufacturing sites is the Cilegon factory in Banten, Indonesia. It produces power plant components mostly for Siemens international projects worldwide. This plant has invested heavily in a server, storage and backup infrastructure to support over 200 users and a data volume of approximately 700 GB. It also depends on a 2Mbps leased WAN line to access centralized applications hosted in a datacenter located 100 kilometers away in Jakarta.

To simplify and reduce costs, PT Siemens Indonesia wanted to consolidate infrastructure in the datacenter. However, a previous attempt to centralize the file server caused a performance lag, especially with transfers of large packages of data during office hours. This negatively affected the productivity of teams in the manufacturing plant.

In Brief

Challenges

- Limited WAN bandwidth
- Distributed file servers at each remote area were too costly to operate
- Oversized server, storage, and backup footprint at remote site

Solution

- SteelHead EX with SteelFusion software
- Riverbed SteelFusion Core
- Riverbed Virtual Services Platform (VSP)

Benefits

- Significant improvement in network and application performance at remote site
- Cost-savings through reduction of physical servers
- Centralized data backup & recovery; and deployment of new services

Solution: SteelHead WAN optimization, SteelFusion, and VSP

PT Siemens Indonesia embarked on an IT consolidation project to reduce the number of physical servers, storage, and backup machines located at its Cilegon factory. It required a centralized method for the management of storage, backup and restoration of data, as well as the ease of deployment of new services at the factory. In addition, the company sought to upgrade and optimize its WAN performance to ensure smooth global communications at the factory.

PT Siemens Indonesia decided to work with Riverbed Technology because of its proven leadership in application performance infrastructure. For example, Riverbed® SteelHead™ has been named a leader in the Gartner Magic Quadrant for WAN optimization controllers for six consecutive years, with more than 50% market share.

PT Siemens Indonesia deployed Riverbed SteelHead EX featuring the Riverbed Virtual Services Platform (VSP) and SteelFusion in its Cilegon factory, eliminating the need for physical servers at remote sites and centralizing data, while still ensuring high performance for its local file server. The solution included SteelHead and Riverbed SteelFusion™ Core Standard Edition in its Jakarta datacenter.

Benefits: Cost savings better WAN performance, less IT support for remote site

With Riverbed WAN optimization and branch converged infrastructure solutions—SteelHead and SteelFusion, respectively—the networks run faster and are more efficient. The solution delivers consistent service levels while cutting the costs of IT infrastructure and services for PT Siemens Indonesia. SteelFusion Edge Standard Edition streams data back to PT Siemens Indonesia’s datacenter using the normally unused upstream bandwidth. This has freed up downstream bandwidth for use by other centralized applications and yields local performance for its consolidated file server.

The improved WAN performance not only enhances productivity, but reduces user complaints as well. As Adi explains, “With Riverbed SteelHead and SteelFusion, we have shown that our branch operations can have the same level of network and application performance as in our main offices.”

Through the IT consolidation enabled by Riverbed application performance solutions, PT Siemens Indonesia reduced five physical servers down to just one converged branch appliance at the Cilegon factory without compromising performance. Requirements for IT support and maintenance have been significantly lessened with the centralized management of data backup, fast recovery and the simplified deployment of new services.

Enjoying the benefits of location—independent computing (the ability to host applications and data in the most optimal locations while ensuring flawless delivery and best user experiences), users at the Cilegon factory can now access their data locally even in the event of a WAN outage. This has even enabled Siemens Indonesia to put in place a stronger business continuity IT plan.

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Rifan Adi
Head of IT
PT Siemens Indonesia

Summary

PT Siemens Indonesia, an electronics and electrical engineering company, has invested in Riverbed SteelHead and SteelFusion to solve the network and application performance issues that were impacting operations at its global turbine manufacturing plant in Indonesia.

The deployment has yielded cost—savings, reduced IT maintenance man—hours, and enhanced productivity and collaboration.

About Riverbed

Riverbed, at more than \$1 billion in annual revenue, is the leader in application performance infrastructure, delivering the most complete platform for the hybrid enterprise to ensure applications perform as expected, data is always available when needed, and performance issues can be proactively detected and resolved before impacting business performance. Riverbed enables hybrid enterprises to transform application performance into a competitive advantage by maximizing employee productivity and leveraging IT to create new forms of operational agility. Riverbed's 26,000+ customers include 97% of the *Fortune* 100 and 98% of the *Forbes* Global 100. Learn more at riverbed.com.

