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## **NOTICE: New Product Names**

**The contents of this asset do not reflect our recent product name changes. Here are the new Riverbed® names:**

<b>Old Names</b>	<b>New Names</b>
Steelhead	SteelHead™
RPM, OPNET, Cascade	SteelCentral™
Stingray	SteelApp™
Granite	SteelFusion™
Flyscript	SteelScript™
Whitewater	SteelStore™

## IN BRIEF

### Industry

- » Engineering

### Challenges

- » To increase bandwidth capacity, consolidate servers and improve employee productivity

### Solution

- » 80 Riverbed Steelhead appliances
- » Riverbed Central Management Console (CMC)
- » Steelhead Mobile for 2000 employees
- » Riverbed Services Platform (RSP)

### Benefits

- » 35 Exchange servers removed
- » 60% reduction in data traffic across the WAN
- » Avoided costly bandwidth upgrade
- » Improved application performance
- » Increased employee productivity




## Aurecon

### Riverbed Technology boosts application performance and reduces costs for engineering company

Aurecon provides engineering, management and specialist technical services for government and private sector clients globally. The group, with an office network extending across 23 countries,

**“We were so confident that the Riverbed solution would work that we decided not to test it.”**

has been involved in projects in more than 70 countries across Africa, Asia Pacific and the Middle East. Formed through the merger of three leading engineering consultancies, Africon, Connell Wagner and Ninham Shand, in March 2009, Aurecon employs over 6,000 professionals who offer in-depth local market

knowledge combined with international expertise across six key market sectors: Community Development & Infrastructure, Mining & Industrial, Transport, Property, Energy and Water.

### Challenge: To increase bandwidth capacity, consolidate servers and improve employee productivity

Aurecon had centralized a key financial application, BST Enterprise, to its data centers in South Africa and Australia, but employees in the rest of the world were struggling to access the application over the wide area network (WAN), because of limited bandwidth capacity.

**“The reaction from employees has been very positive.”**

“Aurecon wanted to further consolidate services by centralizing its large network of Exchange servers in order to benefit from the savings associated with reducing server management and licensing costs. However, we were concerned that consolidating additional IT services would have a negative impact on employee productivity,” explains Johann Putter, Aurecon’s operation manager Africa - Middle East. “In addition, bandwidth is very expensive in some of the countries that we operate, for example South Africa, so we decided to investigate an alternative solution.”

### Solution: Riverbed WAN optimization solution boosts application performance

After researching possible solutions to the bandwidth challenge, Aurecon decided that WAN optimization offered the most cost-effective solution. Two potential vendors were considered: Cisco and Riverbed Technology. “After extensive research, supported by conversations with existing Riverbed® customers, Aurecon was convinced that the Riverbed solution offered the best fit for its requirements. “We were so confident that the Riverbed solution would work that we decided not to test it; we just placed an order and installed the technology when it arrived – and we were correct to be confident. We saw an immediate improvement in the time taken to access the finance application,” recalls Putter.

### Benefits: Employees experience fast access to data while Aurecon completes its IT consolidation project

Aurecon has deployed 80 Riverbed Steelhead® appliances worldwide and the Riverbed Services Platform (RSP) at 35 offices across Africa and the Middle East, and the Steelhead Mobile client software to its 2000 mobile workers. “Total WAN data traffic has been reduced by almost 60%, easing network congestion and application performance is now much faster. The reaction from employees has been very positive,” notes Putter.

With Steelhead Mobile, the company's mobile workers can now access centralized files and applications quickly, enabling them to work more flexibly and effectively. Steelhead Mobile gives mobile workers LAN-like access to corporate files and applications no matter where they are, greatly improving productivity. "Around one third of our workforce is mobile, so it was important that we found a solution that could cater for our remote workers," comments Putter.

Deploying Riverbed has also enabled Aurecon to complete its Exchange server consolidation program, removing 35 local Exchange servers from its network. This has helped the company reduce costs even further, and reduce demand for IT management and maintenance. The use of the Riverbed Services Platform (RSP) has enabled branch offices to run Domain Controller, DNS and DHCP services without the need for additional IT infrastructure – another cost-saving initiative, as the RSP enables organizations to deploy edge services virtually to a number of its branch offices, without having to deploy and maintain full-blown servers to run the applications.

**"The suite of Riverbed solutions has transformed our business."**

Aurecon also installed the Central Management Console (CMC) at its data centers in South Africa and Australia. The CMC simplifies the process of deploying, configuring, monitoring, and managing Steelhead appliances distributed across a WAN through a single web-based interface.

"The suite of Riverbed solutions has transformed our business. Purchasing additional bandwidth would have been two thirds more expensive compared to the Riverbed support costs. We've also been able to reduce our costs through consolidation and we can now plan strategic deployments that will add business value to Aurecon," concludes Putter.

**Future plans**

After successfully centralizing its Exchange application, Aurecon is now planning to introduce a centralized document management solution. The company is also running a proof of concept on Riverbed Cascade®, a cost-effective, easy-to-deploy solution for network and application visibility.

**About Riverbed**

Riverbed delivers performance for the globally connected enterprise. With Riverbed, enterprises can successfully and intelligently implement strategic initiatives such as virtualization, consolidation, cloud computing, and disaster recovery without fear of compromising performance. By giving enterprises the platform they need to understand, optimize and consolidate their IT, Riverbed helps enterprises to build a fast, fluid and dynamic IT architecture that aligns with the business needs of the organization. Additional information about Riverbed (NASDAQ: RVBD) is available at [www.riverbed.com](http://www.riverbed.com).



2005, 2006, 2007, 2008, 2009, 2011



**SUMMARY**

Aurecon's employees rely on the company's WAN for file sharing and web-based applications. Bandwidth issues resulted in poor application performance and also prevented Aurecon from completing a program to centralize its Exchange servers. By deploying Riverbed, Aurecon experienced almost a 60% reduction, application performance improved, employee productivity increased, cost savings were made, and a major server consolidation program was completed.

**Riverbed Technology**  
199 Fremont Street  
San Francisco, CA 94105  
Tel: +1 415 247 8800  
Fax: +1 415 247 8801  
[www.riverbed.com](http://www.riverbed.com)

**Riverbed Technology Ltd.**  
One Thames Valley  
Wokingham Road, Level 2  
Bracknell RG42 1NG  
United Kingdom  
Tel: +44 1344 401900

**Riverbed Technology Pte. Ltd.**  
391A Orchard Road #22-06/10  
Ngee Ann City Tower A  
Singapore 238873  
Tel: +65 6508-7400

**Riverbed Technology South Africa (Proprietary) Limited**  
Ground Floor, Lakeview Building  
1277 Mike Crawford Avenue  
Centurion, 0157, South Africa  
Tel: +27 (0) 12 683 8700

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