

Case Study

Diodes

»We've slashed the number of boxes in Oldham's central server room which means energy consumption has dropped and the air conditioning system is barely used at all. It has also enabled us to close our co-location facility and relocate those resources giving us a significant monthly saving«

Paul Baxendale, Group IT Manager, Diodes



The customer

Diodes is a leading global manufacturer and supplier of high-quality application-specific products within the broad discrete, logic, and analogue semiconductor markets. The company serves the consumer electronics, computing, communications, industrial, and automotive markets. Diodes' products include diodes, rectifiers, transistors, MOSFETs, protection devices, functional specific arrays, single gate logic, amplifiers and comparators among many others.

Its corporate headquarters, logistics centre and Americas' sales office are located in Plano, Texas. Design, marketing, and engineering centres are located in Plano; San Jose, California; Taipei, Taiwan; Manchester, England; and Neuhaus, Germany.

The customer

Country: United Kingdom
 Industry: Technology
 Founded: 1959
 Employees: 500 (Europe only)
 Website: www.diodes.com



The challenge

Diodes was facing a number of issues across its European sites. The server estate consisted of aging, discrete machines and its shared storage platform had become insufficient for its growing data needs. Moreover, from a physical perspective, the company could no longer fit in the required hardware within its server room. Diodes needed to find a fresh approach to this fundamental part of its IT infrastructure.

The challenge

Diodes wanted to upgrade and virtualise its aging server infrastructure while also expanding the capacity of its storage platform.

"We couldn't deliver maximal advantage to the business because we were being hampered by the constraints of the IT environment," explains Paul Baxendale, Group IT Manager, Diodes. "We wanted to refresh the storage, get rid of all the old servers and create a more agile platform that would be less burdensome on energy consumption and cooling."

The solution

Having partnered with Fujitsu previously on a laptop/desktop deployment, it invited the company to propose a solution. As a result, it installed numerous Fujitsu PRIMERGY servers across four European sites, combined with enhanced NetApp storage.

Diodes had already invested in NetApp for its storage needs and was happy with its performance but wanted to scale up the capacity. It was less happy with its incumbent server vendor and was keen to explore alternatives. The company had previously selected Fujitsu to equip almost 400 employees across Europe with laptops and desktop devices so naturally Diodes invited it to propose a solution.