

## Case Study

### Kingston Maurward College

Thanks to Ensign Kingston Maurward College is now enjoying the benefits of the latest wi-fi technology.

## About

Kingston Maurward College is located in Dorset and comprises of a 300 hectare estate with 20 main buildings including a listed Georgian house at it's centre. The College provides academic and vocational training and has been a customer of Ensign Communications for 15 years. Ensign provides IT design, implementation and support services as their needs change and the college expands.

## The Brief

Ensign were asked to completely design and install a wired and wireless infrastructure throughout, delivering secure and reliable WiFi to both pupils and staff. The existing Infrastructure was expanded to accommodate the increase in communications across the campus. Ensign used its experience in deploying wired and wireless solutions to design a faster more manageable infrastructure capable of supporting the ever increasing student population.

## The Project

Ensign Communications have recently upgraded the fibre infrastructure between the 20 educational centres across the existing 5Km fibre campus network backbone to ensure that newer more demanding applications can be deployed without causing a bottleneck. This involved the replacement of existing 3Com switches running at 100Mbit/s to new Cisco switches running at speeds of up to 2Gbit/s, representing a 20 fold potential increase in bandwidth.

Ensign has also upgraded network equipment to the new state-of-the-art Learning Resource Centre (LRC) to ensure access to essential network resources is available to students and staff. The College were also keen to deploy new systems to allow students with disabilities flexible access to network resources. As part of this process Ensign has deployed a secure wireless LAN solution in the new Learning Resource Centre (LRC) and public access areas.

To minimise operating and support cost whilst providing a flexible solution capable of supporting new locations, applications and end users, a Wireless LAN controller based solution was deployed. This solution provides fast, reliable and mobile connections but maintains the security that the College requires.

### Summary

**Location:**  
Dorset  
**Sector:**  
Education

### Solutions

- Cisco Switches
- Secure Wireless LAN

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## Case Study

### Hardenhuish School

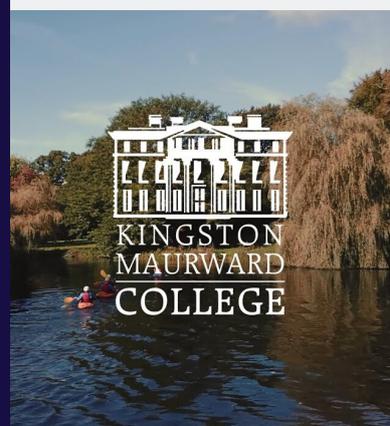
## The Conclusion

Ensign installed a fully secure, fast and reliable network, delivering wi-fi to pupils, staff and guests.

Ensign Communications provides tools and training to permit IT staff to manage and control infrastructure without the need to increase resources and continues to support the entire wired and wireless infrastructure with its team of dedicated support staff.

**Learn more about solutions relevant to this case study here:**

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