



## Toshiba Research Europe Limited's Telecommunications Research Laboratory (TRL) Case Study

For 10 Years Toshiba Research Europe Limited's Telecommunications Research Laboratory (TRL) has been at the forefront of research into the next generation of wireless communications technology. This technology enables access to the ever more complex and richer content on increasingly sophisticated mobile devices and networks. Multi-antenna technology is boosting data-rates, and Toshiba's cognitive radio innovations mean that devices can continuously adapt to their environment to optimise the communications experience. Wireless technology is entering the home, with high data-rate multi-media streaming between home entertainment equipment and personal area networking for wireless communications on the desktop. Computing, communication and content are converging and Toshiba TRL is one of the pioneering centres behind it.

TRL is one of Toshiba's Corporations main wireless research facilities. The lab works closely with the company's Corporate Research and Development Centre in Japan's high tech city of Kawasaki. So why set up a research facility in Bristol of all places?

**The answer is relatively straightforward, according to Professor Joe McGeehan who heads up Toshiba's TRL facility. "Toshiba chose Bristol because of the wealth of talented individuals and technological expertise in the area. TRL also enjoys a productive relationship with Bristol University's Centre for Communications Research, one of the UK's most prestigious centres of learning."**

**But that's not all, explains the Professor, "Bristol also offers quality housing, lots of leisure opportunities and its location near the M4 and M5 makes it well-placed for the fast moving communications industry." Many other leading companies in telecoms, multimedia and computing are already making it an attractive base for a legion of the world's top technologists. It's no wonder the city continues to expand rapidly and TRL is celebrating its 10th anniversary in this city.**

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