



## Case Study Perth College

### Services

Whole property monitor and sub-metering of specific zones covering approximately 70% of building where behavioural change could be achieved.

### Sector

Office Property (Public Sector)

### Scale

Main building 12,000m<sup>2</sup> with approximately 5,500 staff and students

### Ewgeco system installed

16 monitors in total. A combination of one, two and three channel systems monitoring electricity (B100 E, B200 EE and B300 EEE).

### What was Perth College looking for?

Perth College, part of the University of Highlands and Islands (UHI), had committed to reducing its electricity consumption by 20% over 5 years to 2015. The college was seeking to engage all users and drill down the data in each area of the main campus building. Users of the facilities had no accountability for their actions and the client was seeking to empower students and staff.

### How did we help?

Thanks to the adaptability of the systems, we were able to provide whole-building monitoring as well as sub-metering by using the property's distribution board. This enabled us to pinpoint specific areas for improvement such as air-conditioning, lighting and all appliances separately. We discovered that computers and electrical appliances were being left on standby overnight and during vacations.

To raise awareness and engage building users, tamper-proof Ewgeco displays were placed in key areas, next to information boards showing what each system was monitoring.

Involving students and staff, we helped establish an ideal baseline and identify sources of wastage with a 'Building Shutdown'. This initiative took a collaborative approach to kick-starting the project, encouraging behaviour change across all departments. Student champions, trained by Ewgeco, were engaged to monitor the usage in their area.

### The results...

Ewgeco has been key in achieving cultural change, with its live and easy to interpret information. Incorporated into the college's environmental course curriculum, students have become responsible for driving change by partnering with each department and the monitoring process has become integrated across the campus.

In just a few months Perth College UHI are already well on their way to reaching the reduction target of 4% for this financial year.

### CarbonCare and Ewgeco

CarbonCare is a full range of integrated energy services from MITIE, designed to help you manage your organisation's energy use, reduce running costs and lower your carbon footprint. MITIE is using Ewgeco know-how and technology to tackle the carbon reduction challenge on its contracts.