

# Case Study 10

## NDEE University Project

### Introduction

The university were successful in attaining the University Carbon Reduction Fund to support a large-scale Energy Efficiency project.

### What was the challenge to be addressed?

The aim of the project was to provide significant energy and carbon emissions savings across the university campus, with the challenge of a relatively short project programme.

### What were the key drivers?

To make energy, cost and carbon emissions savings in the built environment.

### What was achieved?

Taking a ‘whole building approach’ to energy efficiency, ECMs included combined heat and power (CHP) plant, chiller upgrades, high efficiency lighting upgrades, variable speed drive installations and controls optimisation across its estate. **Annual energy cost savings of ~£650,000** were guaranteed under the contract with anticipated **annual carbon savings of ~948 tCO<sub>2</sub>e**.

### Key lessons learned for sharing?

Wider project benefits have also been realised including significantly improved working environments, as well as learning opportunities for students around energy efficiency technologies and general construction related activities.

