

## University for the Creative Arts aMM&T Bureau - Case Study

### THE CLIENT

The University for the Creative Arts (UCA) operate 5 campuses across south-east England

### MANAGED SERVICE

Enica provided a fixed price quarterly energy management and monitoring and targeting bureau service aimed specifically at use within higher education.

### HERE'S HOW WE DID IT.....

#### 1. METERING SYSTEM COMMISSIONING

Enica performed initial commissioning checks of the existing energy and water metering system across the 5 campuses. All meters (main billing meters and sub-meters) were included. System and meter settings were checked and audited to ensure that the data being collected was true and correct.

#### 2. DEVELOP BUILDING SERVICES UNDERSTANDING

With a short series of site surveys, an understanding of the building services layout was collected. This included development of electrical and mechanical distribution knowledge, gaining an appreciation of energy consuming plant and processes within each metered area/building.

#### 3. eSIGHT SOFTWARE

Data from the UCA energy metering system automatically uploaded its data to Enica's eSight energy and water management software available online.

The client was provided with full access to the data and graphing systems with Enica configuring custom reports and alarms.

#### 4. DATA BUREAU

Using eSight, Enica performed quarterly energy and water monitoring and targeting bureau services for the university.

#### 5. WEATHER CORRECTION

Using relevant local Degree Day data, Enica were able to correct quarterly energy consumption values for heating energy, allowing year on year comparisons of building energy performance.

#### 6. BENCHMARKING & COST OVERSPEND

Using a combination of published sector energy benchmarks and customised historical data benchmarks, Enica developed quarterly cost overspend tables used to highlight poorly performing areas or buildings.

#### 7. CUSTOMISED REPORTING

The eSight software is used to validate the water saving improvements made and quantify the financial savings made.

#### 8. CARBON MANAGEMENT PLAN

UCA's Energy Manager used Enica's quarterly reports to integrate with the existing university Carbon Management Plan (CMP). Energy saving opportunities identified by the Enica bureau were cross-linked with the CMP and ratified by senior management for action.

### SAVINGS

The Enica managed monitoring and targeting service identified annual energy savings in excess of £160,000 per year.