

# Case Study:

## Ashford Borough Council



ASHFORD  
BOROUGH COUNCIL



*“Since the beginning of the year, we have managed to reduce our overall energy use thanks to the information made available by MeasureMyEnergy. We have achieved this by addressing individual items such as out-of-hours energy by departments, including building services equipment like air handling and air-con in each area.”*

*Peter Brooker, Ashford Borough Council.*

Ashford Borough Council is a local authority which provides services to residents in Ashford, Tenterden and a large network of surrounding villages. Ashford Borough Council holds a commitment to reduce carbon emissions from their estate by 30% by 2015, in adherence to their own Carbon Management Plan (adopted in 2011).

Ashford Borough Council approached energy consultancy GCI Ltd to assist them in reducing the energy consumption at their Civic Centre. This journey in the long term would include the installation of LED Lighting, Solar PV, and other sustainable or renewable technologies. Before any of this work could be considered, there was a need to fully understand exactly how the energy was currently being used, and if any waste could be eradicated. GCI Ltd created a tailored solution, including the MeasureMyEnergy Global Energy Management (GEM) service.

### Ashford Borough Council Civic Centre



### Evidenced Reductions



MeasureMyEnergy supplied two Power Distribution Monitors (PDM) to monitor 42 individual circuits that supply electrical power to the various departments or areas within the Civic Centre; for example, the server room air conditioning, power to the printing facilities, or lighting on the 2<sup>nd</sup> floor of the east wing.

The PDMs collect this data and send it to the MeasureMyEnergy Cloud Platform, where it is processed and then displayed within the GEM Portal. Working hours of the Civic Centre were then integrated into the GEM Portal, allowing Ashford Borough Council to quickly and easily establish patterns of use, and determine where behavioural change may potentially prevent wasted energy consumption.

Since this project began, the collective Out-Of-Hours consumption of the Civic Centre's East and West Wings has reduced by around 37%. This has been achieved by addressing several small items that together have made this big difference, such as the shift patterns of cleaning staff or deployment of inexpensive timer switches on printers and other standby items. Ashford Borough Council have also used the MeasureMyEnergy GEM Portal to prove and track their recent LED Lighting investment, and are monitoring their Solar Generation to evidence "even further reductions in costs & carbon". "We have used the system to map our energy throughout our organisation, allowing us to pinpoint areas we can make further saving in the future and giving us details on usage to prove the possible savings before moving forward."