

## CASE STUDY: DSA

### HIGHLIGHTS:



**DSA IS** an executive agency of the Department for Transport. They have responsibility for improving road safety in Great Britain by setting standards for driving and motorcycling and for the education and training of drivers and riders. They also carry out theory and practical driving and riding tests.

### DSA INITIAL TEST:

DSA installed Tadpole devices at four test centres during the month of January 2012 to investigate the impact that they have on gas consumption. The four sites chosen cover a range of profiles from small low consuming test centres to larger high consuming sites. Each of the selected sites had gas AMR (automatic meter reader) installed and a reliable provision of half hourly gas consumption data. This data was used to ensure that the performance of the Tadpole devices could be accurately assessed.

### ANALYSIS TECHNIQUES:

The performance of the Tadpole devices at each site was analysed using the gas consumption data taken from the AMRs, 4 weeks pre-installation and 4 weeks post-installation. Weather correction techniques were there used to determine the actual effect of the Tadpole devices without the influence that colder and warmer days have on the heating temperature on the buildings.

### RESULTS:

The installation of the Tadpole devices at each of the nominated sites has shown an average reduction in gas consumption of 19% with figures ranging from 7% and the best at 30%.

### ROLL OUT:

The report produced influenced the decision for wider roll-out of the tadpole devices.

“DSA decided to deploy the tadpole device across the majority of the estate following the success of the trial at four sites. The trial showed an average of 19% reduction in gas consumption and provided a compelling business case for wider roll-out of the technology – the payback period for most of our sites, based on 19% reduction, will be 1-1.5 years. This is a much shorter payback than many other solutions, but the main driver for installing this technology was the significant carbon savings.”

Tyrone Bradford-Sustainable Development Manager at the Driving Standards Agency

DSA have to date installed 100 Tadpoles across 98 sites throughout the UK and are continuing the installation programme going forward.

**Total Savings 19%**

**TADPOLE  
Innovation  
At Its Best**