

SAVORTEX®



A Smart Energy Saving Revolution

Portfolio Case Study

Wates / Gatwick Airport Choose the
EcoCurve 550D Smart Hand Dryer

YOUR LONDON AIRPORT
Gatwick

The Client

Wates Smart Space provides Facilities Management services to Gatwick Airport, London. Gatwick is the second-busiest airport in the UK by passenger traffic by volume of annual passengers of around 45m, making London Gatwick the biggest single runway Airport in the World.

The airport owners, Global Infrastructure Partners (GIP) have a desire to meet their sustainability targets, to reduce the energy consumption of their estate and introduce operational efficiencies throughout the estate.

Their Problem

The estates washrooms use a mixed range of high speed hand dryers, with power ratings ranging between 1600 and 2300 watts.

These dryers are energy hungry costing the estate £0.0044 to £0.00192 per dry, and the units have a high motor failure rate. Further, the estate manager has no way of remotely monitoring washroom hand dryer usage for responsive cleaning against sudden and peak usage surges.

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Our Solution

SAVORTEX deployed its EcoCurve 550D Smart hand dryer on a trial basis in the male washrooms in the South Terminal where there is high footfall. The EcoCurve Smart uses an advanced digital brush-less motor technology, which consumes power of just 550W and offers 10x more operational life than traditional dryers.

The EcoCurve smart dryer uses its patented in-built sensors wirelessly reporting energy usage per dry to the SAVORTEX web portal, allowing estates managers remote access to manage washroom facilities.

Over the trial period the estates manager was able to monitor hand dryer usage and washroom footfall of 14,100 pairs of hands being dried, resulting in a consumption of 14.90 KG of CO2, and run responsive cleaning schedules based on footfall, introducing new operational efficiencies throughout the estate.



Savings vs. Existing Solution

- 58.75% energy reduction per dry
- 44.76kg of CO2 savings
- Remote washroom management and trend analysis
- Operational savings and efficiencies from responsive washroom cleaning
- ROI expected 18 months

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The demonstrated savings and operational efficiencies expected resulted in the client specifying the dryer into Gatwick Airport and a planned roll-out throughout both the North and South Terminals. In summary, the trial at Gatwick Airport was an overwhelming success for the SAVORTEX team.

"The SAVORTEX EcoCurve 550D smart hand dryer supported our client, Gatwick Airport's sustainability strategy. SAVORTEX has developed a revolutionary, ultra-low energy and data reporting hand drying technology, that allows our clients to reduce their carbon, waste and costs while improving washroom cleaning and introducing new operational efficiencies, and importantly improves our service to them. We look forward to continued support of this innovative technology business helping our clients buildings enhance washroom sustainability in terms of cost, hygiene and operations."

Dr. Zainab Dangana, Wates Smart Space.