



PHS Washrooms Case Study

Imperial College London

Consistently rated amongst the world's best universities, Imperial College London is a science-based institution with a reputation for excellence in teaching and research. As part of a washroom refurbishment plan which will be rolled out to all College buildings over the next few years, Imperial College is replacing all existing hand drying provisions with Airforce™ low energy dryers.

The buildings on the south side of the South Kensington Campus have been reviewed initially.

The first site in question had a mixture of hand drying products across the washrooms, including roller towels, paper towels and a variety of electrical hand dryers. The roller towels were, however, potentially unhygienic and expensive to maintain, the paper towels quite often caused blockages if flushed down the toilets and the hand dryers were old and did not utilise modern energy saving technology.

After extensive research into hand drying provision, the College has chosen to install Airforce throughout to realise financial, energy and sustainability benefits. By installing Airforce Imperial College envisage great benefits and financial savings as well as being able to adhere to their energy and environmental policies.

Airforce is an innovative hand dryer that uses approximately 67% less energy than traditional hand dryers, and has a power energy output of just 1.1kWh. Drying hands in under 15 seconds, Airforce is designed by World Dryer, the world leaders in hand dryers, and is available from PHS Washrooms. Hygiene levels are also maintained as the dryer features an automatic operation and incorporates SteriTouch® antibacterial surface protection, which drastically reduces the spread of germs such as MRSA, E.coli and Salmonella.



Before installing Airforce:

- High maintenance costs
- Mixed hand drying provision
- High energy costs due to inefficient hand dryers
- High quantities of paper waste
- Toilet blockages caused by paper hand towels

After installing Airforce:

- High-speed, low energy hand dryers
- Unity of hand drying provision
- £18,974 per annum saving on paper and roller towels
- Potential energy saving of £60 per annum and Co2 saving of 0.1 tonne per annum
- Incorporating SteriTouch antibacterial surface protection which dramatically improves hygiene