ABS ADVANCED BACTERIAL SCIENCES

Case Study: International airport

How an international airport eliminated urinal blockages and odour complaints

Overview

This bustling international airport facilitates travel for over 1.9 million passengers each year, connecting them to 30 destinations across the United Kingdom and Europe.

With a dedicated team of more than 1,200 employees, the airport strives to ensure smooth operations and a pleasant experience for travellers.

The Challenge

As a result of the airport's high daily footfall, the men's washrooms faced a persistent issue of urinal blockages, leading to numerous complaints about foul odours. This was caused by a build-up of uric acid.

Addressing these blockages proved to be a costly and time-consuming process, involving additional labour, reliance on third-party maintenance services, infrastructure replacements, operational closures, and the use of harsh chemicals.

The airport sought an environmentally friendly solution that would alleviate the cost and resource burden associated with urinal blockages while ensuring a pleasant experience for visitors.

We were about to spend £8,000 in replacing pipework due to the blockages.

URIZAP has removed this expense, and it has been that effective at removing legacy build-up and preventing new blockages we no longer need to break through walls and change our pipework!"

Facilities Manager at the airport.

Industry

Aviation

Location

South East England

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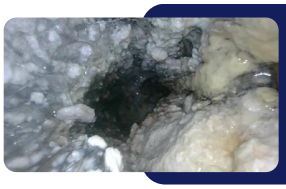
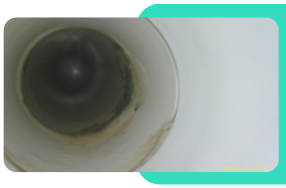
Solution

After just four weeks of using URIZAP, the airport experienced remarkable results. The product effectively eliminated the existing uric acid build-up in the urinals and completely eradicated the unpleasant odours.

Impressed with the positive outcome, the international airport decided to procure URIZAP supplies for both airside and main concourse washrooms, thereby cancelling the previously planned infrastructure refit.



Before:
Clogged urinals that prevented flow and caused pungent odours



After:
Clear and odour free, no manual work required

The benefits:

By incorporating URIZAP into 12 urinals, the airport can achieve significant benefits over a three year period, including:

Cost Savings
URIZAP removed the requirement to proceed with £8,000 worth of infrastructure replacement. They could save c.£140,000 by eliminating the need for frequent maintenance and infrastructure replacements.

Water Savings
The airport is projected to save an impressive 7,046,325 litres of water.

Energy Efficiency
The use of URIZAP is estimated to result in a reduction of 7,540 kWh of energy consumption.

Carbon Footprint Reduction
By preventing urinal blockages and implementing URIZAP, they can reduce CO2 emissions by approximately 1,455 kg.

Chemical Reduction
URIZAP's effectiveness in preventing blockages eliminates the need for harsh chemicals, thereby saving thousands of litres of these substances.

Plastic Waste Reduction
The use of URIZAP reduces the reliance on urinal mats and effectively reduces single-use plastic consumption.

About ABS

ABS is a fast-growing, science-led biotech organisation creating innovative microbial solutions for human and planetary benefit. We use nature's solution to consume waste, blockages, spills or pollutants.

Our products set new standards in sustainability criteria, helping companies to save costs, eliminate inconvenient operational closures, avoid regulatory infringement, and reduce health risks and carbon emissions.

Solutions by nature, for nature

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