

ORBIO ON-SITE GENERATION (OSG) TECHNOLOGY PASSES PILOT TEST BY OCS AND BUPA

ABOUT THE CUSTOMER

Bupa is a leading international healthcare group with facilities on three continents and more than seven million customers. It runs healthcare facilities and offers personal and company health insurance and related services. Bupa partnered with building services contractor OCS to conduct a trial of Orbio's os3 system at its Salford, UK facility.

CHALLENGE

OCS conducted a nine-week test evaluation at Bupa's Salford facility, studying how Orbio® MultiSurface Cleaner and MultiMicro™ 200 generated by the Orbio os3 system compared to its current conventional cleaning and disinfecting chemicals. The pilot site study at Bupa followed a methodology to define the impact of the os3 on:

- Cleaning quality
- Cost to clean
- Sustainability

In addition, the Bupa Salford pilot was intended to be used as an implementation model if OCS chooses to extend the use of the technology to other Bupa/OCS sites throughout the UK — eliminating the need for multiple trials.

During the trial, many factors were considered from observations and impressions, visual impact and operator comments to the ability to effectively clean hard surfaces by measuring organic soil load before and after cleaning, using an ATP meter.



ATP meters measure Adenosine Triphosphate (ATP) – the universal molecule found in all animal, plant, bacterial, mold and yeast cells.



OCS & Bupa Salford



“THE CARPETS ARE STAYING BRIGHTER FOR LONGER. ESPECIALLY IN OUR FACILITIES — THE CARPET WAS CLEANED SIX WEEKS AGO AND IT STILL LOOKS BLUE.”

Operations Team Member
OCS

CASE STUDY



SOLUTION

OCS and Bupa conducted the trial with an Orbio® os3 OSG system that is capable of producing both MultiSurface *Cleaner* and MultiMicro™ 200 disinfecting solution. The os3 device is small enough to fit into most cleaning cupboards and it generates the solutions right on site.

The OSG system requires only a water supply, drain and electrical outlet to generate solutions. Simple to use, the os3 generates cleaning solution at the device, which is then dispensed into spray bottles, buckets, carpet machines and scrubber-dryers typically used for cleaning at Bupa.

RESULTS

OCS and Bupa found that the MultiSurface *Cleaner* equaled or exceeded the cleaning efficacy of conventional packaged cleaning chemicals. Results were notable on carpet, where operators reported that carpets could be cleaned more quickly and stayed clean for a longer period of time. Consequently, carpets could be cleaned less frequently, freeing staff for other tasks.

How OSG Technology Worked

- Clearly visible improvements in cleaning
- Reduced chemical odour
- Time savings in training and paperwork
- Eliminated 35 boxes and 93 chemical bottles being transported and disposed of annually

How OSG Was Applied

- Enlisted Bupa's current cleaning processes and equipment
- Conducted trial with one Orbio® os3 generator
- Orbio MultiSurface *Cleaner* and MultiMicro™ 200 used in place of most conventional cleaning chemicals

How OSG Made Financial Sense

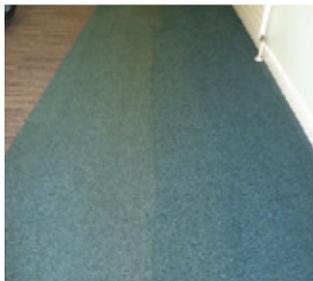
- Orbio solutions replaced three-quarters of conventional chemicals
- Potential for reduced spending on carpet cleaning
- Increased cleaning staff productivity

"THE WATER IS BLACK AFTER THE CARPET HAS BEEN CLEANED USING THE ORBIO SOLUTION."

Operations Team Member
OCS



Before Cleaning



After Cleaning

Excess residue left behind in the carpet when using traditional cleaning chemicals



CASE STUDY



Before Cleaning

After Cleaning



Operators also noted that hard surfaces such as stainless steel, glass and tile floors were easier to clean and maintain using MultiSurface Cleaner. Floors

cleaning all surfaces was another benefit mentioned by operators. Also, the operations team noted that cleaning with Orbio solutions will likely save time on training and paperwork.

The ATP tests showed that Orbio MultiSurface Cleaner removed an average of 17.28% more ATP compared to current methods. The test process required operators to clean surfaces first with MultiSurface Cleaner and then spray with MultiMicro™ 200 — allowing surfaces to remain wet for a contact time of five minutes. This followed the current practice of cleaning with hot soapy water followed by their current disinfectant.

were not sticky after being cleaned with the solution because, unlike conventional chemicals, MultiSurface Cleaner leaves no chemical residue behind on surfaces.

Significant Advantages

In addition, operator comments focused on personal benefits, including a preference for odourless MultiSurface Cleaner compared to the odours emitted by conventional chemicals that can cause headaches. The ease of only having to carry one spray bottle for

The trial at Bupa has made quite an impression on the company and OCS. The operations team noted that cleaning with Orbio solutions improved the look of the floors and made getting stains up easier. They have used the solutions to clean glass, stainless steel barriers, lifts and more — with equally positive results.

ATP TEST RESULTS			
Tested with Catering Contractor			
Raw Meat Stainless Steel Counter Cleaned Using Orbio Solutions			
	Swab 1	Swab 2	Swab 3
Before Clean	566	1353	300
After Clean	1	1	0
Food Preparation Stainless Steel Counter Cleaned Using Current Methods			
	Swab 1	Swab 2	Swab 3
Before Clean	429	299	130
After Clean	99	130	120

Cleaning with the Orbio solutions would allow Bupa to replace 11 of the 14 conventional chemicals used throughout its facility. Furthermore, the company anticipates it would eliminate the need to heat 100,000 litres of water/annum, which would massively help with its sustainability goals. Bupa also expects the switch from conventional chemicals to Orbio on-site generation will increase its operations staff productivity.

Learn more about Orbio® and other innovations in cleaning. Contact Orbio Today.



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