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CI-IT THIS MONTH...



ODOUR

Bad smells are never a good thing, but they are far more prevalent in summer than they are in winter. Heat and humidity are a breeding ground for bacteria, allowing the associated smells to travel further and faster. CHT looks at the best ways to keep things smelling fragrant as we enter the summer months.

SUMMER CLEAN

Parents, films, books, television and society in general all tell us that spring is the best time for a full, proper clean. For centuries the practise of scrubbing the whole house from top to bottom when winter ends has been ingrained in Western culture. But more and more experts are suggesting that if you only go to great lengths to keep your home or workspace clean then summer might be the time to do so

INTERNET OF THINGS

It's been next to impossible for a couple of vears now to attend an industry conference. seminar or event without hearing something about the Internet of Things (IoT). Everyone has heard how it is set to revolutionize everything from household management to urban planning. In 2015 George Osborne allocated £40m toward researching how to integrate the IoT in British life, but has the cleaning sector spent enough time thinking how it will be impacted?

WASHROOMS

While cleanliness is important in all areas, it crucial in the washroom environment. The standard of cleaning and hygiene in washrooms serves the dual purpose of ensuring surface cleanliness and infection prevention and control. In this article CHT takes a look at how best to keep your washrooms spotless whilst staying environmentally friendly.



If you have any news related to the cleaning industry, please contact our assistant editor Sarah O'Beirne...

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NEWS

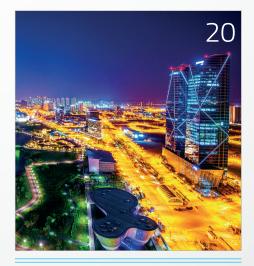
All the latest news, round ups and information from across the cleaning sector.

OPINION

Bob Vincent Executive Chairman of LCC Support Services Ltd reminisces on 25 years practice and asks why doesn't the Government promote cleaning careers?.

OPINION

Barbour explains personal protective equipment in the workplace.



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SERVEST RETAINS HOUSES OF PARLIAMENT CLEANING CONTRACT

The Houses of Parliament has renewed its cleaning contract with facilities management provider, Servest Group, following a successful three-year working relationship.

The new five-year deal which commences September 2016, will see Servest provide a team of more than 180 employees to deliver cleaning services to 13 core buildings across



the Parliamentary Estate, including the Grade I listed Palace of Westminster.

Commenting on the new contract award, Rob Legge, Servest's CEO UK and Europe, said: "We are delighted to be extending our working relationship with the Houses of Parliament for the next five years and continue to deliver a mutually beneficial partnership with them."

GAME, SET AND MATCH FOR RUTHERFOORD

ulius Rutherfoord has secured a contract with The Queen's Club in



West Kensington, London, to deliver a range of cleaning services at multiple buildings across the sports complex.

Established in 1886, the Queen's Club is one of the world's oldest multipurpose sports complexes with an array of rackets sports available. Today the venue plays host to the world famous Aegon Championships, the World Rackets Championships, leading Real Tennis events, including the British Open and from 2009 The ATCO Super Series Squash Finals.

Along with first class sporting facilities the Club also offers a number of entertaining and dining facilities.

CSSA TALKS PROGRESS AT SUMMER BOARD MEETING



The Cleaning & Support Services
Association (CSSA) recently held its
summer board meeting at the offices
of Principle Cleaning Services to hear
and discuss a number of important and
encouraging developments.

It was the second meeting since the relaunch of the Association back in February 2016.
Chairman, Doug Cooke, confirmed that the CSSA was now the official UK board member of the World Federation of Building Service Contractors (WFBSC).

DEVON NORSE'S CLEANING DIVISION GROWS EDUCATION PORTFOLIO

evon Norse has secured the cleaning contracts at two education establishments. Following a period with a competitor company, Dawlish Community College has returned to Devon Norse with a three-year deal.

Westcliff Primary School has also recently returned to Devon Norse for its services.

EUROPEAN CLEANING & HYGIENE AWARDS 2016 FINALISTS ANNOUNCED



The inaugural European Cleaning & Hygiene Awards 2016 has revealed its shortlist of finalists. Close to 100 entries were submitted by service providers, manufacturers and distributors, which have now been whittled down by the judges across 10 categories.

Launched by ECJ (European Cleaning Journal), the winners will be announced at a gala dinner at the five-star Majestic Hotel in Barcelona on 29 September. There will be awards handed out in the following categories:

▶ BEST USE OF TECHNOLOGY BY CONTRACTORS IN

THEIR CLEANING PROGRAMME

- ► COMMITMENT TO AND INVESTMENT IN TRAINING
- ► EXCELLENCE IN CLIENT/CONTRACTOR
- ► DISTRIBUTORS EXCELLENCE IN ADDED VALUE INITIATIVES
- SUSTAINABILITY BEST PRACTICE IN IMPLEMENTING PRINCIPLES THROUGHOUT THE BUSINESS WORKFORCE – EXCELLENCE IN EMPLOYEE RELATIONSHIPS, TRAINING, DIVERSITY & INCLUSION, REWARDS PROGRAMMES ETC.
- ► BEST INITIATIVE RAISING THE PROFILE AND PERCEPTION OF THE PROFESSIONAL CLEANING SECTOR LOCALLY OR ON A WIDER LEVEL
- GROUNDBREAKING TECHNOLOGICAL INNOVATION OF THE YEAR
- ▶ INSPIRATIONAL LEADER OF THE YEAR
- GREATEST INDIVIDUAL CONTRIBUTION TO DRIVING UP STANDARDS WITHIN A CLEANING OPERATION
- ► LIFETIME ACHIEVEMENT AWARD

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NEWS 🝪



BUY-OUT PUTS CLEANEVENT BACK IN THE GAME

he future of the CleanEvent Group of companies has been saved the future of the clean Event Group of Sompanies by nationwide insolvency practitioners SFP and secured the jobs of c.700 employees.

The CleanEvent Group, which includes CleanEvent (UK) Limited, CE Facilities Services Limited, CE Risk, Safety and Security Services Limited, and Clean Domain Limited, all providers of cleaning services, was bought by CleanEvent Services Limited (formerly known as CE Revo Services Limited).

Despite being an established Group with a previous year's turnover of c.£10



million, the CleanEvent Group suffered from reduced margins and increased competition, causing cash-flow troubles and unmanageable liabilities. One of the entities within the group had also been presented with a winding up petition.

CHURCHILL HAS CLEANING CONTRACT EXTENSIONS IN THE BAG

hurchill has been awarded a number of cleaning contract extensions in Essex, Hertfordshire and East Anglia.

Following a successful three-year partnership with Shenfield High School in Essex, Churchill has had its contracted extended for an additional two years. Excellent relationships between the school and Churchill management, as well as an improved service delivery and the commitment from Churchill's dedicated on site team were said to be key factors in awarding the extension.

Also in Essex, Harlow Council has stated its intention to extend its contract with Churchill for a further two years and demonstrated its commitment to the workforce by continuing to support the Living Wage Foundation pay rates across the cleaning contract portfolio.

In Hertfordshire, Churchill's contract has been

extended at Bishop's Stortford High School. The partnership which commenced in 2011, will continue for a further two years providing a "best value" approach to the schools needs.

Whilst Churchill's East Anglia team has extended its partnership with Bungay High School, Suffolk for a further three years. The new contract will deliver enhanced productivity levels and continued high standards with total focus on a "working in partnership approach" to service delivery.



ZENITH HYGIENE **ACQUIRES CCL PENTASOL**

K manufacturer, K manuractures, supplier and distributor of cleaning and hygiene products, Zenith Hygiene Group, has completed its



acquisition of UK-based supplier of chemicals for the Food, Dairy, Brewing, Beverage and Pharmaceutical industries, CCL Pentasol.

The acquisition will strengthen Zenith's position within the cleaning and hygiene sector, adding new growing markets to its portfolio such as Water Treatment, and industries such as Food, Dairy, Brewing, Beverage and Pharmaceutical.

The initial part of the integration process will see CCL Pentasol's Water treatment division rebranded as Zenith Water Engineering. This is a new market for Zenith Hygiene, and one which it expects to grow in importance for businesses in the future as water becomes a precious commodity, with global water demand expecting to surpass availability by 2050.

INVASION OF THE ANTS

est control expert Rentokil is advising Brits to take precautions to prevent ants spreading indoors this summer, following a 64 per cent increase in residential ant enquiries and a 26 per cent increase in commercial calls in Q2 2016, compared with the same period last year.

While cold winters can be a killer for ants, they tend to maintain the same nest for several years at a time. After the third warmest winter in Britain past 100 years, and the warm start to spring, conditions in the UK are right for ants to mate and thrive. This has resulted in an 83 per cent increase in enquires to Rentokil in the month of May.

The most common ant species in the UK is the Black Garden ant, which generally lives outside in nutrient-rich, moist environments. During the spring and summer, they are often found in the warm, damp area beneath paving slabs. They

frequently make their way indoors in search of food and additional places to nest. Should they find a food source, the ants will lay down a chemical trail to give other ants a signal to follow, causing a potential problem to quickly escalate in your home or business.



COMMENT

CLEANING - A CAREER FOR LIFE



Bob Vincent Executive Chairman of LCC Support Services Ltd reminisces on 25 years practice and asks why doesn't the Government promote cleaning careers?

started my business for daily office cleaning it was a job nobody really wanted to do and no client really wanted to pay decent money for it. Like today it was a competitive marketplace but at that time the cleaner was considered by many to be an inferior species. Work had to be carried out at night because the office staff didn't want to see or acknowledge cleaners. Communications between client and cleaner were by messages left with the security man or a written note. Today, fortunately, nothing is further from this scenario.

Cleaning is a profession with professional standards and levels of service; professional training face to face or by distance learning; professional awards for top quality work (Golden Service Awards which we have won several times); professional training organisations like BICSc and RoSPA; and professional clients who are up to speed on most of these aspects of the industry.

My career started like most 15 or 16 year olds who left school and went to work wherever they could – usually retail or building sites. University was for the privileged. Those with an eye to the future took up apprenticeships and other forms of 'on the job' learning but there was nothing available for cleaners. It's strange how it has taken two decades to go through the whole university thing and revert to good old fashioned learning at work with day release or distance learning. You don't need a degree for cleaning and FM services – you need a customer friendly, understanding and a 'can do' attitude; plus the desire to succeed and deliver above expectations.

Our profession has got to grips with other changes like the increased immigrant workforce and it is in a position to employ anyone with the right to work here and has the right attitude and willingness to

learn. Chemical companies prepare instructions and data sheets in a range of languages so there is no excuse for incorrect dilution or usage. The opportunities in the UK for enthusiastic FM and cleaning personnel are tremendous and the sky is the limit.

Cleaning is now a profession where people can succeed, usually to quite high levels within an organisation as management and board directors are understanding the effects that quality cleaning and FM has on its business, staff and customers.

The industry welcomes all school leavers and anyone else interested who is not afraid of hard work and has an enquiring mind; people that have the 'service attitude' and willingness to learn. It is a pity that the Government does not promote this sector of business because in recent years, as our demand for higher hygiene standards increase, the number of cleaners and FM staff required has grown. Today the UK cleaning profession alone employs over a million people – add to that those in the many other FM sector husinesses!

Each year my Company, one of the UK's largest independent cleaning and support services businesses, continuously searches for enthusiastic young people to join the profession. Nobody has to sign up for a lifetime as a cleaner. Once you can clean to a specified standard it is time to ask for more training to reach the next level. You can soon become a team leader, a floor manager, a site controller and in a few years maybe an area manager responsible for multiple sites and site managers.

The opportunities are there waiting to be grabbed. An Area Manager's role with a company car and mobile phone cannot be bad for a 26 year old and it's not based on a minimum wage. At LCC we give a 'living wage' and more the higher you reach.

INCENTIVISED STAFF DELIVER THE GOODS

Everybody welcomes a pat on the back and occasional 'thank you'. We all like incentives and rewards for a job well done, or in our business a national 'Employee of the Month/ Year' Programme, regional awards and specialist task awards. We like to promote safety at work and get involved in the RoSPA Awards because they highlight the importance of health and safety which is everyone's responsibility. Safety includes safe driving to, from and for work. That is a win/win situation for employer. client and employee. Clients love to have a winning team on their site and often they top up the prize with a gift. Cleaners are often invited to client celebrations as part of their teams. This is the way forward that makes staff feel welcome and don't change jobs.

Our Awards are usually retail or travel vouchers. Sometimes an Award winner is recommended for promotion or an upgrade too. We have found that there is nothing better than an incentive to motivate employees at all levels especially those who are lone workers at night (something we want to stop – Clients

please note!).

All service industries are based on delivering the promised level of work and a little bit more. Going the extra mile has a major impact on customers and that's why clients now WANT cleaners around during the day so they can communicate with them and to give clear one-to-one briefs. It provides the opportunity to get to know the person responsible for keeping their workplace clean. It ensures that when a problem arises - overflowing recycling bins, flooded washroom floor, litter in reception etc. – it can be dealt with quickly and efficiently and not delayed for the night shift cleaners to remedy.

There are a few people I know who have worked from cleaner level to senior management. Some of the MDs of cleaning companies have worked through the ranks. How can management understand the issues that affect cleaning tasks if they have no 'hands on' experience?

Cleaning is an excellent career and contractors are always looking for the right calibre of personnel. After trying other more glamourous professions both my son and daughter have joined the profession. Anyone can get into the industry at a very early age and with correct training, make it to the top. If I can do it so can anyone else! It's down to hard work and attitude and you either have these attributes or not.

The Facilities Management and cleaning industry is now the UK's largest employer – bigger than all government departments combined. So what's stopping you or your children joining such a great and growing profession with job satisfaction and opportunities for life?



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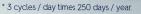
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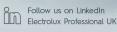
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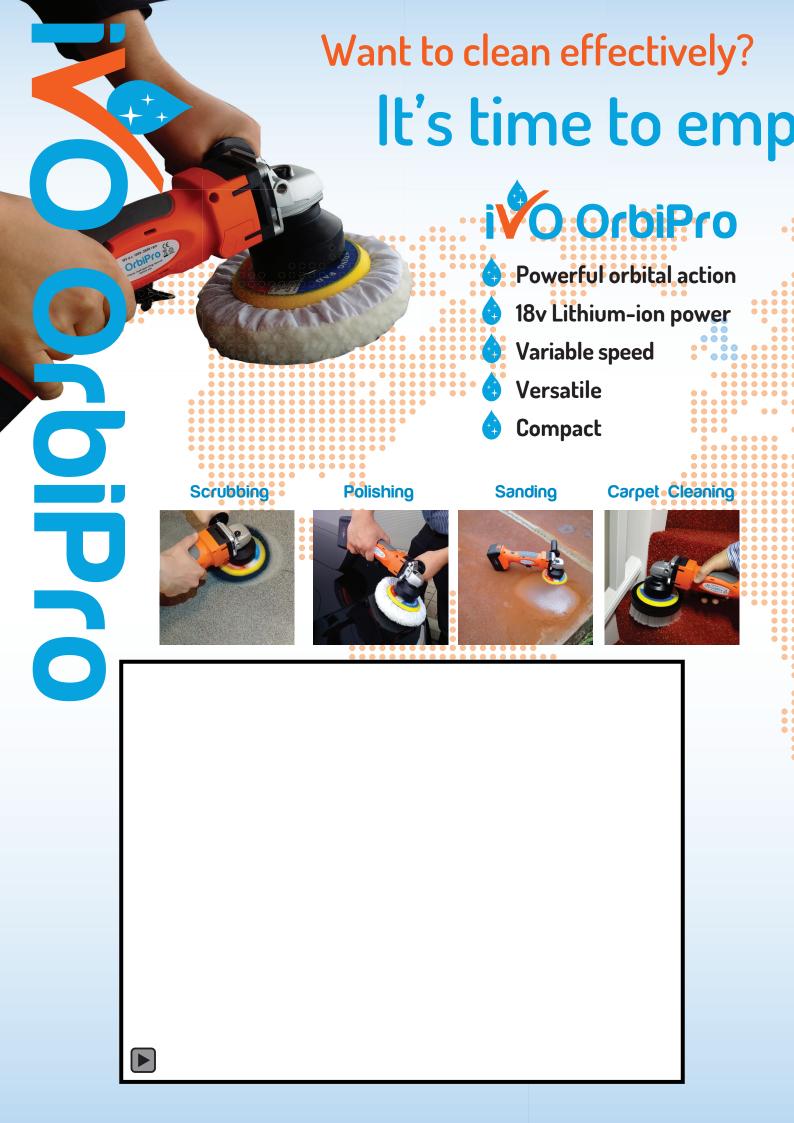












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Humid air in the summer traps bad smells and causes them to hang around longer than they normally would. But it isn't just that already present smells last longer and smell worse that causes problems during the summer months. Houses, restaurants and shops all throw their doors open and this means there are just more smells flooding the streets.

As a general rule "bad" smells will always overwhelm or overpower "good" ones, though no-one can quite seem to agree on

This is worse news for women than for men as studies have shown that women can actually smell better (and more discriminately) than men. Pregnant women are even better at smelling, the close link between smell and taste is why people suddenly like different foods or get cravings whilst pregnant.

Age also plays a big part, research shows that the sense of smell begins to deteriorate for lots of people as early as their twenties, with almost everyone falling off a cliff by the time they reach 70.

As everyone knows sense of smell, and how a person reacts to those smells, is unique to each individual person. The point at which a smell actually impacts someone's comfort depends upon the frequency, concentration and duration of an odour. Also, most interestingly, on past memories and experiences.

Indeed smell is the sense most closely linked to memory with smells often triggering recall of past events and even key to unlocking "lost" memories. Psychologists also say that it is far more closely linked to emotion than we realise. Most people know all about the role pheromones play in attraction, but it goes deeper in that with many scientists believing that kissing developed out of humans sniffing each other thousands and thousands of years ago.

Mental health experts also say that people without a sense of smell (anosmia) are far more likely to develop depression and cut themselves off from society because subconsciously it is much harder to judge things and people if you can't smell them.

the other hand they avoid th lnesses that odours apparently trigge including asthma, panic attacks and hypersensitivity. Maybe.

Whatever its history and impact smell plays a massive role in all human societies Perfumes and flowers are much sought after, people spend a fortune on air fresheners, scented candles and cleaning

Some even swear by aromatherapy where smells impact moods, raise spirits, boost self confidence and aid sleep. There isn't any scientific evidence to back up these claims however.

What is certain is that humans have evolved to smell things that are dangerous or harmful as "bad". Some scents might be considered pleasant in one culture but foul in another, this is purely down to culture and expectation. Others however are universally despised, rotting food, faeces, burnt flesh and compost being some of the most obvious. This is because they are undoubtedly dangerous to humans, no matter when or where they live.

This is why it is important, not just to



cover bad smells with nicer ones, but to eradicate the cause of the smell itself.

HOW TO GET RID OF BAD SMELLS

When you think about vision or taste it is easy to put what you see or eat into categories. What you see is a certain colour and everyone can name all the possibilities. What you taste is sweet or sour etc. But similar categories don't really exist for smells, but in 2013 a team of researchers from Bates College and the University of Pittsburgh attempted to come up with a conclusive list of "smell categories."

They claim that every odour falls under one of 10 labels:

- Fragrant (flowers, perfume etc)
- Fruity (All fruits except for citrus)
- Citrus (Citrus fruits)
- Woody (Wood and grass smells)
- Chemical (Cleaning fluids, bleach)
- Sweet (Caramel etc)
- ▶ Mint

- Nutty (Peanut butter, popcorn)
- Pungent (Cheesey odours)

Smell was the first

sense our ancestors

evolved"

Decaying (Spoiled food, rotting meat)

Assuming this list is conclusive (and it almost certainly isn't) then the only

one of the 10 you would say is

automatically dangerous

to humans would be the last. Pungent

falling somewhere in between. Perhaps

the next study needs to expand but it is a good starting point. But once scientists finally getting around to categorising smells

how do we banish the bad ones, and their underlying

causes?

There is a whole litany of websites, articles and lectures about precisely how to go about this. Of course it depends entirely on what exactly the smell is so invariably the first piece of advice is to find out what

is causing the sm

or general, every day smells the advice pretty generic. Hot, soapy water, antibacterial cleaners and/or detergents come up a lot, but for other, more persistent smells more extreme measure might be required.

Smoke for example. Anyone who has smoked, lived with a smoker or just overcooked some food knows how difficult it can be to get rid of the lingering smell of smoke. Most advice seems to consist of opening as many windows as possible, though several websites recommend sprinkling baking soda over carpets and furniture overnight before hovering it up the next morning.

Pests are another issue which comes up a lot. Wet dog or cat pee isn't an odour you want flooding your house. Quite disturbingly more than one source says that if you can't find the source of the smell (also known as "where your pet has been doing its business,") then they recommend using a black light (no, CHT doesn't know where you get a black light) and then just following the ultraviolet glow....



Anyway, once the smell has been identified a blend of water and white vinegar is apparently the most effective way to remove both the offending stain and odour. Though if any smells do linger the ever useful baking soda should be applied once more.

Kitchens can often be the smelliest part of the house (after the bathrooms anyway) but it isn't just because of the bins. Fridges, sinks and appliances can cough up stenches that invade the entire house or workspace.

Fridges are probably the simplest to sort out, throwing out the old food and giving everything a good scrubbing apparently does the trick more often than not. Dishwashers though are more of a problem. Most people assume that dishwashers clean themselves (it is sort of implied) but this isn't the case, food that isn't scrapped of the plates can get stuck in mechanisms and seals and start to smell. Every once in a while give your dishwasher a thorough clean and if there is a problem fill a couple of glasses with vinegar and start it on a full cycle.

The most obvious place, whether we're talking offices, houses or pretty much anywhere else, for bad smells to appear is toilets and bathrooms. This is one case where prevention is undoubtedly better than cure. If

(1) Indeed smell is the sense most closely linked to memory with smells often triggering recall of past events"

......

you want to stop your loos smelling then you have to clean them on a regular basis. Bleaching the toilets is essential and make sure you check the wax ring as well for any signs of decay.

ODOURS

- Although taste and smell are separate senses in land animals, sea creatures often combine them
- Apparently humans can remember and identify smells they haven't smelled in up to 60 years.
- The humans' sense of smell evolves over their lifetimes. Babiesactually like smell of feces because it is something they are familiar with. It is only as we get older that it starts to repel us.
- Mothers can actually identify their child almost immediately, purely by smell.
- Though smell can trigger memories they are most effective in triggering ones from your first ten years, sight become more useful the older you get.
- Smell was the first sense that our ancestors
- Age-related loss of smell is linked to race. Research has shown that blacks lose their sense of smell faster and earlier than whites.
- Humans have five to six million odor-detecting cells, dogs that have 220 million.
- ▶ Humans can remember smells with two thirds accuracy after a year, visual memories is down to about half after only three months.
- Some experts claim that peoples lingering smells could be the enxt big breakthrough in crime
- York's Viking museum has started to pump in recreated smells from the Viking era
- Your sense of smell is "turned off" whilst you sleep
- Parosmia is a condition where everything smells rotten or spoiled



The other major issue to consider is your flooring, especially if you have carpets. Smells can linger in the fibres and if you have pets, have spilled food or drink or simply if your carpet has gotten old then you could be letting yourself in for trouble. Regular vacuuming will help, as will keeping windows and doors open to let air into the room. If this doesn't help then you can always fall back on that ever reliable baking soda!

Pest Control: Director's Briefing



Why is pest control important?

Pests including rats, mice, insects, birds such as feral pigeons and seagulls, foxes, flies, insects, cockroaches and other unwanted animals can spread disease. They can also cause damage to property and stock and they can leave unsightly mess and detritus which has an effect on the impression given to others about your business.

What are the key risk areas associated with pests and pest control?

- Zoonoses
- · Leptospirosis/Weils disease
- · infected food and food stuff
- · effects on human health
- · working at height for pest control contractors
- chemical safety of pesticides.

How should the risks associated with pests and pest control be managed?

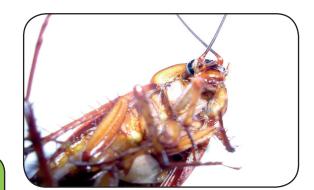
- · Determine the potential for pest infestation at the site
- investigate the use of physical controls such as anti-bird netting
- review integrity of the perimeter of the building, seal any holes which might provide access for larger pests
- ensure good housekeeping standards are maintained
- adopt high standards of sanitary hygiene
- implement a regime of regular property inspections
- · identify competent specialist pest control contractors
- consult specialist contractors to determine the most suitable pest control strategy for the site
- review the risk assessments for contractor activities, in particular:
 - working at height
 - COSHH assessment
 - personal protective equipment (PPE) for operatives
 - · operatives training and accreditation
 - · public liability insurance cover.

Case Study

In October 2010, the death of an Olympic gold medallist rower was confirmed as being caused by Weil's disease. This is the acute human form of a bacterial infection known as *Leptospirosis*, mild cases of which affect millions of people worldwide every year.

Legislation

- The Health and Safety at Work etc Act 1974, in particular the general duties of an employer to employees
- the Management of Health and Safety at Work Regulations 1999, in particular the requirement for suitable and sufficient risk assessments to be undertaken
- there are duties placed on employers through the Control of Substances Hazardous to Health Regulations 2002 (COSHH) which relate to the use of substances to control pests
- before a pesticide can be advertised, sold, supplied, stored or used, it has to be approved under the COPR (Amendment) Regulations 1997 (SI 1997/188).



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Parents, films, books, television and society in general all tell us that spring is the best time for a full, proper clean. For centuries the practise of scrubbing the whole house from top to bottom when winter ends has been ingrained in Western culture. But more and more experts are suggesting that if you only go to great lengths once a year to keep your home or workspace clean then summer might be the time to do so

he theory is that spring cleaning first originated with the ancient Hebrews who would go to great lengths to make sure that their homes were spotless before the annual Passover feast.

This habit was taken up by the Catholic Church which traditionally cleans the church altar and all related paraphernalia just before Good Friday every year. This tradition spread across the Christian world and families would clean their entire house from top to bottom during the first week of lent. Indeed in Greece, Russia and the other house is ceremonially burnet Orthodox nations the first

"Cleaning Monday." The reason the tradition became so ingrained in northern

day of Lent is still known as

Europe and later in the USA and Canada is probably due to the wetter climates in those areas. It is claimed that March was the best time of year for dusting because it was warm enough to open windows and doors but not warm enough for insects to be a problem. Still it was windy enough for the dust to be blown out of the house. But when you bear in mind that the first vacuum cleaner was invented in 1901 this doesn't really seem so relevant anymore.

It is also pointed out that people living in these countries would have had a fire on all through the winter and it was only when Spring rolled around that they were able to scrub the dirt and soot from their walls.

Still spring cleaning remains common around the world and some countries have developed some strange habits around the tradition. In Guatemala all the rubbish cleaned out of the house is ceremonially burnt to cleanse the home of the Devil. The Thais have a 48 hour water fight with pistols, balloons and more in order to

still celebrate the first day of spring with "Nowruz" literally the shaking of the house. This is done to get rid of evil spirits and the past. Traditionally this involves cleaning everything in the house, repainting and maybe even burning sandlewood or a herb called espand to produce a nice smell.

SUMMER CLEAN

In Guatemala all the

rubbish cleaned out of the

to cleanse the home of

the Devil"

With all of this in mind it seems almost a shame to move on from the tradition but all the reasons why spring was the ideal time to clean no longer apply. We do have vacuum cleaners, central heating and you'd be hard pushed to find many Britons who feel the need to exorcise their homes of demons. A quick look at comments from many cleaning

companies suggests that you might well be better off doing your big clean in summer. Allergies are on the rise, so are dirt, bugs and visitors. Viruses, germs and bacteria are all more likely to thrive in the warmer weather as well. They also point out that people are more likely to have time off work to clean their homes and that offices will likely have fewer staff present during the summer months.

Everyone who has used a washing machine in summer (so... everyone) will know that they are more likely to smell in the summer because of the increased humidity. Showers and baths are at a higher risk of developing mould and mildew for the same reason. Spring cleaning might be the perfect time to organise your kitchen summer is a better time to deal with the bins and appliances. That ever pesky humidity can wreak havoc with both.

The better weather also makes it easier to clean things outdoors, plus you have the added reward of actually being able to

Lots of experts and articles also point out that all of the hard work done during spring cleaning is likely to be undone very quickly once summer arrives. Also whether you have small children in the house or not, summer causes an extra layer of sweat and sticky fingerprints on every surface.

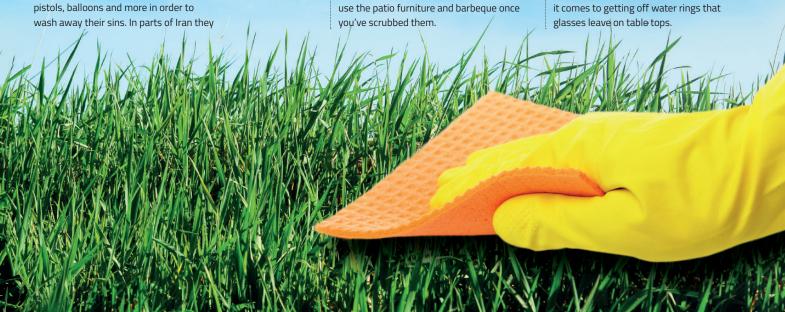
SUMMER TIPS

So if that is why people and businesses should consider moving their big cleans to the summer what are the tips for making the procedure as efficient and effective as possible?

For a whole host of reasons, from the increased heat and spending more time outdoors, showers both at home or at work will see much more action during the summer. But the increased risk of mould and mildew mean that everyone should keep a window open or the fan on to keep humidity down.

It is also the perfect time to give all your bins a scrub down. If you forget the smell is pretty likely to remind you. The next is fairly obvious, though not strictly part of a regulated "spring" clean, make certain that any and all crumbs are cleaned up immediately. Though you should always do this, the prevalence of bugs, pests and heat in summer make it especially urgent during these months.

Also remember that there is some truth to all those old wives' tales you heard as a child. The leftovers from those afternoon barbeques needn't go to waste. Lemons are often claimed to be "nature's disinfectant," and can be used to clean stainless steel fixtures. Tomato Ketchup can be used to shine copper and silverware. The inside of a banana peel can be used to buff leather. Most people know how effective vinegar can be when used to polish glass surfaces and apparently mayonnaise is mighty when it comes to getting off water rings that glasses leave on table tops.



Then there are washing machines which, as mentioned above are more likely to smell in the summer. To prevent this you are advised to run the machine without anything in it but hot water and plenty of detergent, then to leave the door open for a while after the cycle has finished.

> **and** Surveys and reports suggest that Iceland is the cleanest country in the world"

Once you've taken all of this into account then you can get back to your usual spring cleaning routine. If you want any help with that then a quick google search will reveal an endless list of advice articles and top tips lists. Literally endless.



FUN FACTS

- ▶ Between 70 and 80 per cent of dust particles in a home or office are made up of dead skin cells. The rest are outdoor particles like soil or pollen.
- Over six million people use domestic cleaning services in the UK and over two million of them admit to cleaning themselves before the cleaner comes.
- Surveys and reports suggest that Iceland is the cleanest country in
- They also found that just under half of couples regularly argue about cleaning and tidiness.
- An hour's worth of vigorous cleaning will burn around 100 calories.
- ▶ The average woman spends 12,896 hours in her lifetime cleaning. The average man spends around half that, clocking in at 6, 448 hours.
- ▶ Most ant-bacterial cleaners are designed to be left on surfaces for up to a minute so wiping them away immediately massively reduces their effectiveness.

- Almost 70 per cent of diseases are caused by people being unhygienic in the way they store and prepare food.
- Researchers have found that the air blown out from vacuums has the highest concentration of germs of anywhere in your house. It was followed by washing up sponges, cutting boards, toilets and remote controls.
- ▶ The average kitchen dishcloth can contain four billion living germs
- ▶ Salmonella can survive freezing and can survive on dry surfaces for at least 24 hours.
- ▶ Office telephones harbour around 25,000 germs per square inch.
- ▶ The number of bacteria on any surface will increase by almost a third every day if not disinfected.
- ▶ 98 per cent of people who work in an office will catch a contagious disease from their workspace.



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INTERNET OF THINGS

It's been next to impossible for a couple of years now to attend an industry conference, seminar or event without hearing something about the Internet of Things (IoT). Everyone has heard how it is set to revolutionise everything from household management to urban planning. In 2015 George Osborne allocated £40m toward researching how to integrate the IoT in British life, but has the cleaning sector spent enough time thinking how it will be impacted?



n the world of technology things often seem to be out of date before anyone outside of Silicon Valley has actually figured out how to use them. So by these standards the Internet of Things is positively old hat yet it hasn't yet been fully embraced by the cleaning industry. Using nothing more than their smartphone the average person can already control the temperature in their homes, open garage doors and turn appliances on and off. Once these technologies become ubiquitous then it won't take long for cleaners to start wondering where they don't have similar advantages in the workplace.

Of course many workers will panic just because they have seen the words technology and workplace in the same sentence. It's understandable, after all the Bank of England's chief economist predicted in November of last year that up to 15m UK jobs could be made obsolete as a result of technology marching on. But people predicted that during the industrial

revolution as well,

people found other jobs.

00 It can inform cleaners which items need replacing without them having to manually check"

Cleaners might feel even more at risk than people in most other industries due to the nature of the work they do and those self operating machines already available. Still they shouldn't fear the IoT. Indeed the more familiar they become with it the more they will see how much it could benefit them at work. It can inform cleaners which items need replacing or restocking without them having to manually check. Monitor footfall so that people know where to clean when and much more. In short it can make cleaners' work easier and less time consuming.

THE INTERNET OF THINGS

In layman's terms the Internet of Things is the network connecting physical things and connecting them with electronics, sensors and network connectivity. In effect, letting

them talk to each other. Experts estimate that by 2020 there will be up to 50

billion items connected to IoT covering an almost limitless number of areas and possible applications.

But how does this impact the cleaning and hygiene industries? Well, in a similarly limitless number of ways, though not all of them beneficial for everyone.

The most obvious example, already being rolled out by cleaning companies, is the smart vacuum cleaner. These are cleaning tools which can run pretty much on their own. They don't necessarily need to be connected to the Internet of Things but that is probably the way things are going.

Back in February CHT reported on Servest's "Brian" a robot named after TV's favourite confused.com-bot. Realising there was limited innovation in the industry Vince Treadgold, FM MD at Servest flew to Switzerland two years ago and investigated the latest technology being developed.

At the time Treadgold commented:

"The technology is there. Some of the things that would be revolutionary in the cleaning sector are just everyday in other spheres. I mean, microfibre cloths have been around for 10 years, but people still talk about them as if they're cutting edge.

"Brian is efficient without impacting on quality. We literally bought the first available model, straight off the production line. No one else was innovating this way so we felt it would set us apart."

Even in Servest's own corridors of power there was scepticism though. Thanks to the cheap cost of labour in the cleaning sector many people didn't grasp the benefits of products like Brian.

"You need the money to develop it." Treadgold admits. "But we are now gaining a huge amount of momentum. Brian was only



rolled out around nine months ago, but I think the staff would be devastated if we took him away now."

With this sort of technology being tied into the Internet of Things the possibilities are endless. Or if not entirely endless then certainly fun to speculate about.

Other possible examples and benefits include lowering maintenance costs. Yes the IoT would actually allow machines to report when they are in need of maintenance, monitoring footfall in massive buildings to determine which areas need immediate attention and which can wait and, perhaps most importantly, offering managers information encompassing the entire business. It allows them to track thousands of data points encompassing every aspect of cleaning and hygiene, combining information from every object imaginable (soap dispensers, floor scrubber, soap dispensers etc). This would let companies make much better business decisions going

TOWNS AND CITIES

Of course many of these notions can be taken from the workplace and applied to entire towns, even cities. Many urban areas across the world have already hooked up their litter bins to the Internet of Things and said bins broadcast signals when they are getting full so that cleaning crews know when they need to be

emptied. Similar strategies are in place for things such as soap dispensers in public bathrooms.

Over the long term all the data collected from the IoT could help cities identify key trends and let them better manage their schedules, maintenance and cleaning programmes. It would let them understand the

help keep them clean and healthy. Of course there are some examples of the technology not necessarily benefiting

> everyone. Apparently there are washing machines and tumble driers in laundrettes and apartment blocks that monitor when peak occupancy is, and raise



a The IoT could help

OTHER WAYS THE INTERNET OF THINGS WILL CHANGE YOUR LIFE

- ▶ There are already concerns that the IoT will make it easier for people to hack your personal information. In fact people lost their WiFi passwords recently because they were given away by their lightbulbs (seriously). The masterminds behind the technology say these issues will be sorted with technology that is designed for IoT rather than adapted later.
- American giants General Electric estimate that the Internet of Things will add up to \$15 trillion to the global economy by 2035.
- ▶ 3G and 4G whilst revolutionising many people's lives are also liable to "break". With the IoT taking over responsibility for things like self driving cars this can't be allowed to happen. 5G is being called the most advanced network ever, unbreakable and capable of a maximum speed of 800Gb/s.
- ▶ The number of objects connected to the Internet of things exceeded the number of humans on Planet Earth as far back as 2008.
- ▶ Google and Apple have already embraced the IoT. Google have spent billions of dollars on "Nest" which produces thermostats, fire alarms and smoke detectors connected to IoT and Apple have HomeKit SD compatible with its mobile devices.

- ▶ There will be over a quarter of a billion self driving cars by 2020. With the proportion of people living in cities set to hit two thirds by 2050, could the IoT see the end of traffic jams?
- Apparently even your clothes will one day be connected to the Internet of Things. This could range from heart rate monitors being built into sports bras to skin tight gym clothes that change colour around the muscles you are currently using.
- Of course none of this would be possible if the technology wasn't affordable. IoT is arguably the cheapest technology boom to get on board with for a century. Online you can buy Bluetooth dongles for less than 50p, all because of the Internet of Things.
- ▶ Some people consider cash machines the first objects connected to IoT, they went online over 40 years ago.
- ▶ Elon Musk's Tesla S electric car can go from naught to 60 in under four seconds and travel over 250 miles on one charge. Impressive enough, but thanks to IoT it can also parallel park itself, stick to the speed limit and control itself in traffic jams.
- There are also applications for IoT when it comes to caring for the ill and the elderly. In Canada sensors are being trialled which will inform people which medications to take and when. The box the meds come in can also inform healthcare professionals if the required dose has been taken.

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While cleanliness is important in all areas, it crucial in the washroom environment. The standard of cleaning and hygiene in washrooms serves the dual purpose of ensuring surface cleanliness and infection prevention and control. In this article CHT takes a look at how best to keep your washrooms spotless whilst staying environmentally friendly



erms such as MRSA, E-Coli and more Gean be spread incredibly quickly and reach harmful, even lethal levels before you've even realised there is a problem. Constant, and effective cleaning is essential if we wish to prevent these germs harming people in their homes and their offices.

In many, if not most, washrooms people are constantly using bleach, disinfectants and anti-bacterial cleansers to keep infections at bay in their washrooms. But these products can actually do more harm than good...

Conventional cleaning products are complex mixtures of chemical ingredients and those ingredients are not always harmless. Many of these ingredients are known to be associated with asthma and other respiratory disorders. Some are even associated with dermatitis, neurological disorders and cancer.

In addition to these terrible consequences for humans, there is mounting evidence that some cleaning product ingredients harm the environment, harming ecosystems in the air and in the water. Also if and when you pour two chemicals down the same drain then you are at risk of creating an even more dangerous compound.

These dangers apply both to cleaning staff and employees in the buildings being cleaned. The companies employing cleaning contractors and the contractors themselves have a responsibility to carry out risk assessments to determine what risks arise from the use of cleaning machines, techniques and materials.

Changes have been made to the way in which chemicals are classified, including newly designed hazard symbols, called 'pictograms', and new wording to help

those who need to know, to understand the hazards that are in the chemical they are using and how to use it safely. People with responsibility for assessing risks from cleaning chemicals should obviously read this information.

So how can we keep our washrooms clean whilst remaining environmentally friendly? Well, plenty of green cleaning products have been

developed over recent years. Products which can aid humans and the environment whilst remaining cost effective.

It is a lot more sensible to use, where possible, the latest cleaning systems that remove the risk of aggravating existing health problems or creating news ones, while achieving an extremely high standard of hygiene.

GREEN OPTIONS

Many people still think that natural or green cleaning products aren't as effective as chemicals. Yet there are several organisations which have researched and developed perfectly reliable, environmentally friendly cleaning products using plant-based enzymes, fatty acids, alcohols, esters, chelators and saponifiers derived from things like palm kernel, soy, peanut, corn, sunflower and canola. All of these are non-toxic, non-harmful,

> non-hazardous, readily biodegradable and extremely cost effective.

More research and investment is of course still needed. Sustainability means leaving the world for future generations in a state we would want to inherit it ourselves. The whole cleaning sector has a responsibility not to do anything that will damage the environment, or harm the people in it. All well and good

of cours, but how exactly do we do this? Well, let's take this one step at a time, starting with the most obvious example, the toilet. When cleaning a toilet most people's first instinct is to reach for their bleach. This might leave it clean and sparkling but no-one would claim that bleach is green. But there are homemade, environmentally friendly options available that are apparently just as effective. Half a cup of vinegar perhaps, mixed with a bit of baking soda, poured into the toilet bowl once a week before scrubbing is reportedly a eco-friendly and efficient solution.









Next we can turn out attention to the shower and the bath tub. There are plenty of all natural soaps out there, by mixing these with our ever trusty baking soda you can create a paste (at least according to innumerable websites and articles) which is the equal of any chemical cleaner or equivalent. Apparently you can use this to clean shower doors, water and rust stains and ceramic tiles.

To remove build up and mildew from the corners of your shower you should attack the effected areas with vinegar. Vinegar is one of those all-natural options which is claimed to be just as successful as chemical alternatives. Let the vinegar dry, then wipe it clean, repeating as many times as required. The acid contained within vinegar helps kill bacteria by splitting up the aprticles contained within it.

As with so many things, prevention is better than cure when it comes to showers so try and keep the area as clean as possible after each time you use it. Even a simple wipe of the curtain or doors is

better than nothing.

So far, so pleasant, relatively. But if you want to keep your washrooms healthy and clean then you can't afford to ignore the drains. Nobody wants to pull out clogged hair by hand but the fact remains that most drain cleaners are incredibly toxic, containing the sort of chemicals that are unpronounceable by clearly deadly.

So, instead of employing literal poison you can consider using a homemade solution containing (yes, you guessed it) baking soda and vinegar. Pouring a fair amount down your drains will break down gunk and help clear out your pipes.

Mirrors might be more pleasant to clean but they certainly aren't easier. Anyone who has ever tried, in either a professional or domestic context to leave a mirror spotless knows it is next to impossible. In fact many chemical cleaners seem to leave it even worse than it was before. The most commonly sighted green option is a warm water-vinegar spray wiped away with a lint free cloth.

Then we can turn our attention to the floors. Both tiles and mats can get very dirty, very quickly. Never leave a wet mat laying on the floor; after every shower, hang it over the shower rod so it can dry out. With tiles there are (as always) a multitude of chemical cleaners available but if you want to go green then warm water mixed with lemon juice can be just as useful. All you need is a mop.

Last but not least, something you do not want to neglect is water. Even if you are using as many environmentally friendly products as possible but if you end up wasting water then all your good work will amount to nothing. With the world's population increasing constantly there are even news outlets predicting literal wars over water in the years to come.

Most people have no clue how much water we use, we just turn on the tap and take it for granted whenever we wash up, brush our teeth or take a shower. Something as simple as switching to lowflow fixtures can save colossal amounts

ACT NOW

Simply put It is time for those in the cleaning business to put on the pressure for alternative ways of cleaning that do

not use or disperse dangerous substances. Regular

reviews of the cleaning chemicals that are used in the washroom

setting are needed and checks whether safer and greener alternatives are available. Equally

obliged are those manufacturing cleaning equipment and materials to divert a major

part of their research and development budgets into achieving green techniques and equipment to make cleaning safer for everybody. Changes to reduce the harmful effects of cleaning must entail alternatives that provide effective infection prevention and control as well as being healthier, safe, and environmentally sound.

Not many procedures in any industry sector are the same today as they were decades ago, so why tackle cleaning the old way? Advancements in green cleaning mean that ecological methods can prevent infection and guarantee hygiene in the washroom while setting high standards of cleanliness.

FOCUS ON FLATS AS CROMWELL POLYTHENE RETURNS TO RWM SHOW STAND 5Q60, NEC BIRMINGHAM, 13-15 SEPTEMBER

A key focus of the Cromwell Polythene stand (5Q60) at this year's RWM show will be the company's multi-trip recycling bags, tailor-made for the convenient collection and storage of dry recyclables in flats and tenement

The woven polypropylene bags are 100 per cent recyclable and provide the perfect storage facility until they are decanted into communal recycling bins outside, making them extremely popular with those councils who have identified purpose-built flats or tenements as a way of boosting their recycling tonnage.

"Something like a quarter of the UK's 27.5 million dwellings are flats and tenements, according to the last census," says James Lee, Cromwell's managing director. "The percentage is higher in Scotland and some other regions and rises dramatically in cities such as London, where more than half of the population lives in flats.

"The multi-trip recycling bag is one of several solutions we have provided to those local council customers who see the potential arisings from flat dwellers, whether in council estates. mansion blocks or high-rise towers, as a way of improving their recycling performance."

★ www.cromwellpolythene.co.uk

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CARLISLE SUPPORT SERVICES LAUNCH ROBO 2 CLEANING MACHINE

Using its patented laser navigation system, the Robo 2 detects its surroundings and automatically cleans the entire floor. Following an installation survey to map the cleaning area, the machine scrubs and dries the floor, all with minimal human contact. An operator simply fills the machine with water. switches it on, and the Robo 2 cleans the rest.



Paul Evans, Managing

Director for Carlisle Support Services commented:

"It is innovative ideas like the Robo 2 which can really enhance our service offering to customers. Knowing that the Robo 2 is capable of thoroughly cleaning and drying all soft flooring in a safe way allows our teams to concentrate their efforts on alternative tasks."

Stephen Lee, Head of Customer Experience at First TransPennine

"The experience that our customers encounter is of the upmost importance to us and is central to the First TransPennine Express vision and values in taking the North further. It's therefore great to see Carlisle Support Services investing in new ideas like the Robo 2"

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BICSC LAUNCH SUCCESSFUL SERIES OF FDUCATIONAL **EVENTS FOR CLEANING PROFESSIONALS**

The British Institute of Cleaning Science (BICSc) has recently launched a series of educational Roadshows for cleaning professionals and businesses, which are touring the UK throughout 2016.

The inaugural Roadshow took place in May at Sealed Air Diversey Care in Northampton. This was followed in June by the second event of the series which took place in Canary Wharf, London at the impressive KPMG HQ.

Both events were a huge success and received an overwhelming amount of positive feedback.

David Hughes who attended the Northampton Roadshow said: "My colleague and I thoroughly enjoyed the day, especially the "Who's hitching a free ride?" presentation delivered by Ken Hallett. It was very relevant to our workplace and we have already put many of the learnings in to action."

The Roadshows were the perfect opportunity for industry professionals to

learn more about the cleaning industry from key speakers as well as share inspiration and learnings with peers over a networking lunch.

Joanna Begg, customer support manager at BICSc who organised the events said: "We wanted all of our attendees to feel inspired and to be able to take away some actionable insights that they could use to support their own business or career, and judging by the feedback we have received so

far we feel this was certainly achieved."

The next Roadshow will be taking place at Manchester Metropolitan University on the 24 August, where the BICSc team will be joined by their Chairman, Denise Hanson.

If you are interested in attending a BICSc Roadshow visit www.bics.org.uk/roadshows

The Roadshows are free to attend for all BICSc members, and £15 for non-members.

★ www.bics.org.uk/roadshows

01604 678710

ODOUR CONTROL INSIDE AND OUT FROM GREYLAND

With weekly local authority bin collections being deferred by alternating with recycling collection, many business premises are faced with stepping up odour control both inside and out.

Naturally Greyland, one of Britain's leading cleaning chemical manufacturers has a range of products to to tackle the problem.

Odour Neutraliser is more than a mask for bad smells – it proves fatal to most common forms of odour-causing bacteria. What's more, it can be used anywhere without fear of damage to surfaces, including polished furniture, glass and chrome, and soft materials.

Ideal for refuse storage areas, hotel guest rooms, nursing homes and any area where offensive odours are prevalent.

Cranberry and Cotton Fresh Air Fresheners are





growing in popularity over other scented products and are highly evocative of fresh days spent outdoors, either on sunny heathlands or in the garden with freshly laundered sheets billowing in

In non-aerosol 750ml trigger sprays, Greyland's Air Fresheners and Odour Neutraliser are ozonefriendly and contain no CFC's.

Lastly, for seriously industrial level odours, Cherry Deodorising Fluid is specific for use in and around rubbish bins, waste tips, chutes and even sewage farms. In bulk 5L containers, Cherry Deodorising Fluid is diluted 40 to 1 so a little goes a long way for the big cleaning jobs.

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0161 343 3830

AXIS CLEAN AUDIT SWEEP FOR GUENTHER BAKERIES

Axis Cleaning and Support Services, the nationwide supplier of commercial cleaning services, has played a vital role in helping Guenther Bakeries UK to attain its highest ever ratings in a series of recent industry audits.

Audits are essential for food product manufacturers to demonstrate compliance to industry regulations and show best practice in quality processes, health and safety, and hygiene to existing, new and potential clients.

Axis provides cleaning services to Guenther's Bury-based manufacturing facility, which supplies over 500,000,000 products annually through its two bread-bun and one English muffin lines. It has never failed an internal cleaning audit and has consistently maintained high monthly Key Performance Indicators (KPIs) scores, always exceeding 90/100.

External organisations including the American Institute of Bakers (AIB) and the British Retail Consortium (BRC) undertake random audits, with the latest AIB audit being scored 920/1000. Further audits are taken for clients that require specific standards, including an international quick service restaurant.

technical manager for Guenther Bakeries, says that cleaning is essential: "By maintaining the highest standards of cleanliness and hygiene we sustain our deserved reputation within the industry and support the reputations of our clients."

Axis Cleaning and Support Services is the first external

provider of cleaning at Guenther Bakeries UK, and has helped to control costs while increasing its input hours on service delivery at no cost.

Mark Ferguson, sector director at Axis Cleaning and Support Services, explains a skilled workforce cleans to fine details: "The audit scores prove our positive effect at Guenther's facility," he says, "and the Site Manager Norbert Cronshaw has

been instrumental in driving labour efficiencies to achieve the scores.

"We have developed strong links with Guenther, and hope to increase our service offering while we continue to improve on our already good service."

Guenther Bakeries UK is a company of American-based C. H. Guenther and Son and has two UK manufacturing facilities, Banbury and Bury.

www.axis-css.co.uk

020 8269 8480

MAKITA TARGETS CONTRACT CLEANING INDUSTRY WITH HIGH PERFORMANCE CORDLESS TECHNOLOGY

Makita, Britain's number one professional power tool manufacturer, is targeting the commercial cleaning industry with two new vacuum cleaning machines which join the extensive range of mains and cordless dust extraction units, cordless vacuum cleaners and air blowers suitable for a wide range of industries from construction to grounds care and property maintenance.

Makita's extensive knowledge of air flow and vacuum science, coupled with the proven Lithium-Ion battery platform, is integral in the new twin 18V Backpack vacuum cleaner and the new 18V Robotic Vacuum Cleaning machine. The technical merits of both cleaners will enhance the performance and productivity of contract cleaning operations in many commercial properties. Both machines are supplied in body only form for operators to use the batteries from their existing Makita tools. Distributors can supply 3Ah, 4Ah or 5Ah Makita batteries with respectively 22, 36 and 45minute rapid recharging time.

The new Makita DVC260Z backpack vacuum

cleaner uses two 18V Li-lon batteries directly housed on the machine to power the 36V DC Brushless motor which produces 45watts of suction power with a maximum airflow of 1.5m³/min and maximum sealed suction of 7.1kPa. The high/low power selection is positioned on the machine control unit and two 5.0Ah batteries give 60 minutes run time

in high mode, and 90minutes in low mode. The new Makita DVC260Z is being trialled by train operators and airlines to speed passenger turn round.

In spacious commercial premises, such as restaurants, exhibition centres and museums, a robotic vacuum that can go to work when pedestrian traffic has ceased, which reduces



for human activities, enabling labour to be more

effectively deployed in other more sensitive areas. The new Makita DRC200Z 18V Robotic vacuum will run for three hours and twenty minutes at a maximum speed of 0.3m/s, and cover up to 500m² in either a random pattern, or a fixed area marked out with boundary tape on the floor which effectively limits the vacuum's area of operation.

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REDUCE YOUR COSTS AND CREATE A GREENER **FUTURE WITH** MERTON ECODOSING ECODOSING GROUP UK ITD

Merton Group UK Ltd have been a trusted UK manufacturer of disposable paper products and distributor of quality cleaning and janitorial supplies for over 37 years.

We are proud to offer a selection of product innovations that are designed to provide a wide range of cleaning, janitorial, washroom and hygiene solutions. Our innovations are exceptional quality, professionally packaged and available at competitive prices. Created to deliver substantial cost-in-use savings.

SUPER CONCENTRATES HIGHLIGHT -

We would like to introduce our latest innovation which is already creating substantial savings for many of our customers. The aim was to offer the latest in accurately dosed cleaning chemical solutions, preventing overuse and unnecessary expenditure whilst maximising transportation and storage capabilities.

To save space, time and money whilst reducing your carbon footprint.

The solution comes in 2 formats, a liquid super concentrate Ecodosing and a powder sachet ontion Envodose.

ECODOSING CHECMICAL SUPER CONCENTRATES

Ecodosing is an exciting new concept to the market which uses a clever dispensing mechanism allowing accurate measured shots of the super concentrated liquid without the need for the cumbersome and costly dispenser units.

Quick and easy to use, the portable, lightweight bottles deliver a controlled dose of super concentrate directly into either a 750ml trigger spray bottle or bucket. Huge savings are created across the board when compared to typical 5 liter options as a single 1 litre bottle of Ecodosing would replace 15 five litre bottles of chemical! Ecodosing at a glance -

- Super concentrated
- Comprehensive range
- Accurate, controlled dosing
- 10ml per shot
- 100 Shots per 1ltr bottle

 For trigger sprays and buckets

- Full training provided
- Compact & much easier to store
- Portable
- Easy to handle and transport
- Easier to dose
- No costly equipment required
- Much less wastage produce
- Less products on site to manage and monitor
- Control costs and eliminate product waste

Ecodosing's range of controlled dose super concentrates gives you all the cost efficient, mobile, cleaning power you need, in one neat little package! Typically creating cost-in-use savings of 60 per cent!

Available in 1 litre and 250ml options including - Multipurpose, Washroom, Viral Plus, Food Area Safe, Glass & Stainless Steel, Disinfectant, and Floor Maintainer.

ENVODOSE CHEMICAL SUPER SACHETS

The Envodose range of tabs and caps has been specifically designed to provide incredible cleaning power from concentrated sachets. By reducing space and delivery costs, Envodose is a product range for all situations and cleaning environments. Floor care, washroom, medical



and catering areas can all be cleaned with Envodose. Envodose delivers a lot of the

CHEMICAL SUPER

CONCENTRATE

SAVE AN AVERAGE OF

same great environmental and cost reduction benefits as our Ecodosing

range, like -Reduced transport costs

ECODOSING 2

- Accurate dosing, reducing product waste
- An amazing range of effective products
- A reduced carbon footprint
- Rationalised product usage

Available in 150 sachet buckets and tubs of 20.

SUPAGREEN PAPER HIGHLIGHT -SUPAGREEN DISPOSABLE RECYCLED PAPERS

SupaGreen is our premium, high quality brand of recycled disposable paper which are both environmentally friendly and cost effective, offering the consumer superior paper products that meets their environmental needs without inflated costs. SupaGreen papers fit the majority of existing dispensers or can be supplied with their own dispenser options.

Our recycled papers have undergone a sophisticated de-inking and washing process. This process uses no bleach and therefore dramatically reduces the discharge of harmful dioxins. The energy source for drying and steaming is natural gas and the water system is filtered and recycled to give further energy savings. All waste solids are inert and virtually harmless and the process also has the benefit of giving the paper a higher tensile strength as a result of slower bonding of the fibres.

All materials are traceable throughout the supply chain and documented through our chain of custody practice. All of our products are developed with the aim of maximising biodegradability, the lowest toxicity and optimum skin tolerance.

Currently used by the NHS, ESPO, DOMINOS PIZZA GROUP and many more we are successfully providing more environmental products to more people every day, helping them reduce their environmental impact too.

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