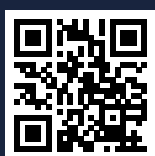


# Cleaning

N°45

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# MAGIC<sup>LINE</sup>

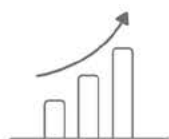
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## Pockety

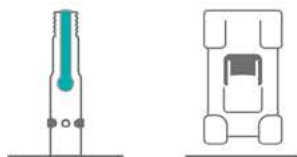
**INTERCLEAN**  
AMSTERDAM  
10/11/12/13  
MAY 2022

STAND **01.431**



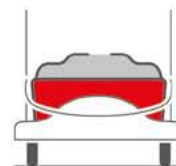
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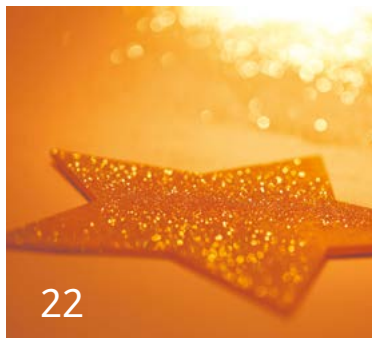
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# Just a thought

**Chiara Merlini**

Writing a page for the editorial is like creating a little connection with the readers of the magazine. Nothing special, just a means to make us feel closer to those who receive the product of our work.

I love looking for information, something that can reveal itself as a starting point to arouse some curiosity. The latter is, for me, the basis of our physical and mental survival.

Staring at the blank screen of my laptop, only a quote came to mind. As Gandhi said: "Live as if you were to die tomorrow. Learn as if you were to live forever".

In the past two years, we had to deal with loneliness, fear, pain and then hope, with the idea of being at the end of the tunnel, to return to a new everyday life and still being able to shake hands, smile and meet.

In the midst of this, the unpredictability of a war with tanks, bombs, invasion and deaths has forcefully entered. Real deaths. At first, it all seemed like a nightmare stretching out of a documentary from the past.

While experiencing this new sense of precariousness, I remembered Gandhi's quote.

Living our days enjoying the morning sun (which we can still see) and everything that a new day of this week, this month, brings us ...

And going and finding and grasping everything that - for work and for pleasure - can make us grow, whatever the external events cannot take away from us, the hope of understanding



everything that is still half clear for now ...

In this way, the increasingly complex world of work offers us many ideas to think about: different ways (sustainability) and new technologies (artificial intelligence) to deal with problems that may not be new but are definitely urgent and in need to be faced and solved. If we really want to learn, the world awaits us and opens up to us.

And if we cannot act in the "big" world, our small world awaits any small or large contribution of commitment and enthusiasm that we can give. I am sure that those who wait for the situation to be favorable, for things to change, those who are afraid of losing, have already lost their battle.

### THE BRITISH CLEANING COUNCIL'S 2022 REPORT

Established in 1982, the British Cleaning Council (BCC) is the authoritative voice of UK cleaning, hygiene and waste industry. The BCC releases a research report packed with interesting and revealing facts and figures about the sector every year. Some interesting insights on the cleaning, hygiene & waste sector are revealed by the British Cleaning Council's 2022 research report, published 6th April.

The number of sector businesses grew to 69,005 in 2021 and the number of employees working in the sector remained static at 1.47 million. The number of people employed in the cleaning, hygiene & waste sector in 2021 was approximately 5% of the UK workforce:



the industry remains one of the top 10 biggest industries in the UK. According to the latest information available, the industry contributed £58.9 billion to the UK economy in 2019, up from the previous year, showing that it went into the pandemic in robust health. All subsectors, bar landscape service activities, saw a year-on-year growth in turnover up to 2021. This year's report says that the number of sector businesses grew from nearly

66,420 in 2020 but included a number of opportunistic firms which started up during the pandemic offering cleaning services. The report said that the cleaning & hygiene industry directly employed over 941,000 people in 2021, 2% less than the previous year. The much higher figure quoted above includes cleaning across other industries such as public services and hospitality. Many BCC member organisations have also reported a greater interest in firms joining. A BCC survey of the sector during the first year of the pandemic demonstrated how variable the impact of Covid-19 had been on the industry, with some sectors and businesses seeing work drying up and staff going into furlough, while others saw a boom in demand. The new research also found that the cleaning & hygiene industry was quite competitive and nearly nine in 10 firms were micro businesses, employing fewer than 10 individuals. It also identified some challenges for the sector, including a record number of job vacancies. Employers in the cleaning sector need to adapt to a rapidly changing workforce if they are to win the 'frantic' battle for workers, it says. With 27% of the workforce aged over 55 years, the industry needs to do more to attract younger staff, the report says. In terms of training, it also highlights the 'good headway' made with the proposal for a Cleaning Hygiene Operative apprenticeship. A repeated request across all areas of the industry is the need for basic, entry level qualifications, the report notes.

*"Clearly, we do not yet have the more recent figures which will show the full impact of the pandemic immediately and in the longer term - BCC chairman Jim Melvin said - It also is possible that the decline in numbers directly employed by the industry in 2021 is the first sign of the current severe staffing problems, and next year's report will give a clearer picture".*

Source:

BCC - [britishcleaningcouncil.org/](https://britishcleaningcouncil.org/)



## THE DIVERSITY OF PARASITES OF BLACK FLIES

Flies in the order Simuliidae ("black flies") such as this fly in the genus *Simulium*, can carry blood parasites that cause the malaria-like bird disease leucocytozoonosis. While the parasites can't survive the human immune system to cause disease, bites from black flies can still be painful and cause unpleasant reactions in humans, such as fever, headache, nausea, and swollen lymph nodes. Black flies use their jagged mandibles to tear into flesh and then slurp up the pooled blood. And sometimes they leave a parasite behind. In a study published in the *Journal of Medical Entomology* researchers at

Mississippi State University looked for the presence and diversity of parasites from the order Haemosporidia in black flies and collected in their state. Their results were positive for haemosporidian DNA, and a closer look at the DNA sequences revealed that some of the parasites recovered in the study, species in the genus *Leucocytozoon*, diverge from those already in the database. *Leucocytozoon* blood parasites cause the malaria-like bird disease leucocytozoonosis and rely on flies from the order Simuliidae, known as "black flies," to transmit them from one host to another. It's a problem for both domestic and wild birds, who may show no signs of disease or experience mild to severe symptoms or even large die-offs. While the parasites can't survive the



human immune system to cause disease, bites from black flies can still be painful and cause unpleasant reactions in humans, such as fever, headache, nausea, and swollen lymph nodes. Beginning in 2008, more and more reports of human bites and backyard poultry deaths began to trickle into the Mississippi Department of Health and the Mississippi State University Extension Service. Experts noted black fly outbreaks in the years 2011, 2012, and 2018. End this is also a serious economic problem.

Source: *Entomology*

## SOFIDEL'S FINANCIAL RESULTS CONFIRM THE GROUP'S GROWTH



In 2021, Sofidel's financial results return to pre-pandemic crisis levels and confirm the Group's steady growth. In fact, the second half of the year especially saw the consolidation of sales in Europe and – thanks to the new production capacity installed, at full capacity for the entire period – a significant strengthening in the United States. Essentially, after the extraordinary year of 2020 Sofidel resumed its path of steady growth even if – due to the strong impact of rising raw material prices and the

impossibility of reversing the impact on product sales prices – margins and economic results were partly affected. The Group has confirmed a consolidated turnover of over two billion euros (net sales of 2,095 million euros) and an EBITDA margin of 10.42% in a difficult context. Among raw material prices, the first half of the year was particularly affected by the price of cellulose, while in the second half the very sharp increase in energy prices (more in Europe, less in the United States) weighed on the cost structure. Sofidel Group CEO Luigi Lazzareschi confirmed that even in a difficult economic moment with a serious increase in the cost of raw materials, Sofidel strengthens its position and is competitive also thanks to its sustainability strategies. Edilio Stefani, Sofidel Group Chairman, added that the figures in the Sofidel 2021 financial statements are important prerequisites for continuing the path of innovation and transition to a low-carbon economy.

### GREEN CHOICES

The Group has launched a new phase in its procurement policy that sees the Group committed to the purchase and self-production of electricity from renewable sources produced by newly built plants. Sofidel in Italy agreements signed with RWE Renewables for the supply of wind energy and, in Sweden at the Kisa production site, with Meva Energy for the construction of a renewable gas production plant. On the subject of environmental sustainability, Sofidel joined the platform, "Forests Forward" launched internationally by the WWF. In the U.S. Sofidel America Sofidel has established a partnership with Ocean Conservancy. Among recent achievements is the addition of Sofidel on the CDP 2021 A List for combating climate change and the Platinum recognition received from EcoVadis for the approach to sustainability.

Source: *Papnews*



### COVID-19, THE IMPACT ON YOUTH EMPLOYMENT

Young people have been more strongly impacted by the COVID-19 pandemic than older people. The employment rate in EU young people (aged 15-29) in the third quarter of 2020 was -2.8 percentage points (pp) compared with the pre-pandemic third quarter of 2019. However, the third quarter of 2021 saw a recovery, as the employment rate was -0.1 pp compared with the third quarter of 2019. Comparing the third quarter of 2020 with the third quarter of 2019, all countries recorded a drop in their employment rate of young people. The largest decreases in the share of employed people aged 15-29 even exceeded 5 pp in Lithuania, Portugal, Ireland and Spain. On the other hand, Hungary, Finland, France, Austria and Romania reported decreases smaller than 2 p.p. In the third quarter of 2021, a majority of the EU Member States (16 out of 27) did not show full recovery yet, as the employment rate for young people was still below



the rate recorded in the third quarter of 2019. The largest decreases were recorded in Portugal, Bulgaria, Latvia, Czechia and Poland (all at least -3 pp in Q3 2021 compared with Q3 2019). In contrast, the largest increases in the share of employed people aged 15-29 in the third quarter of 2021 compared with the pre-COVID situation were made in Ireland, France and Slovenia (all at least +2 pp in Q3 2021 compared with Q3 2019). This data is being highlighted on the occasion of 2022 being the European Year of Youth (following the announcement made by President von der Leyen in her 2021 State of the Union address Commission has adopted its formal proposal to make 2022 the European Year of Youth).

Source: Eurostat



### COVID-19: WERE COMPUTER MODELS IMPORTANT FOR VACCINE DOSING?

For vaccine dosage decisions, past experience and best guesses have been very important in fighting the virus and modelling tools might have made a difference.

When Moderna joined the hunt for a coronavirus vaccine in early 2020, the company had only limited clinical experience with its technology. Scientists tested the company's messenger RNA (mRNA) vaccines against certain viruses, such as avian flu and Zika, in humans. Higher dosages often triggered unwanted side effects, while lower doses did not always elicit a sufficient immune response. There seemed to be a middle ground: in a two-dose vaccine for another respiratory virus. So, it made intuitive sense for Moderna, based in Cambridge, Massachusetts, and its collaborators at the US National Institute of Allergy and Infectious Diseases (NIAID) in Bethesda, Maryland, to try something similar to tackle SARS-CoV-2. The problem in vaccine development was being fast, so being able to find useful dosages in a short time. Other efforts to develop Covid-19 vaccines followed a similar

playbook. The University of Oxford, UK, in partnership with AstraZeneca in Cambridge, UK, started testing its vaccine - made from an engineered adenovirus - at a dose of 50 billion viral particles. It chose the dose in large part because that amount was used in previous trials of the same vaccine platform for other pathogens, including the coronavirus responsible for Middle East respiratory syndrome. This approach to dose selection produced several safe and effective Covid-19 vaccines in record - which has helped to save millions of lives around the world - but it did not necessarily take full advantage of the vaccines' pandemic-altering potential, scientists say. A growing number of scientists think that the industry can do better. With an eye towards optimizing immune responses, they have been developing mathematical and computational models over the past several years to inform dose decision-making for vaccine trials. Not everyone is convinced the models are ready for prime time; many aren't even aware that the platforms exist. But those who embrace the technology say that, if companies had simply capitalized on all the tools at their disposal, Covid-19 vaccines might be doing an even better job at containing viral spread and limiting collateral damage. Pharmaceutical companies have long used computational modelling strategies to fine-tune drug dosing, but such techniques have rarely been applied to vaccine development.

Source: The Lancet

## EU-OSHA: GOOD PRACTICE AWARDS



Good Practice Awards showcase strong commitment to preventing and managing musculoskeletal disorders.

As part of its 15th Healthy Workplaces EU-OSHA: Good Practice Awards competition, the European Agency for Safety and Health at Work (EU-OSHA) recognises 8 winning and 8 commended examples that successfully tackle musculoskeletal disorders (MSDs). Companies and organisations from all over Europe are demonstrating the many benefits of a safer and healthier workplace when everyone gets involved.

Active participation is where the workers who do the jobs are involved in both identifying the MSD risk factors and proposing preventive measures. William Cockburn, EU-OSHA Interim Director. One of the main highlights of EU-OSHA's Europe-wide Healthy Workplaces Lighten the Load campaign, the awards acknowledge small and large companies and organisations from various industries in Europe that actively prevent and manage MSDs through effective occupational safety and health (OSH) management approaches.

EU-OSHA Interim Director William Cockburn commented on the need to involve workers in MSD risk assessment and prevention: 'Active participation is where the workers who do the jobs are involved in both identifying the MSD risk factors and proposing preventive measures. Workers have detailed knowledge of and experience in how the job is done and how it affects them. They should be involved in all stages of MSD risk prevention.'

### THE FOLLOWING EIGHT ORGANISATIONS WERE AWARDED:

- **Universitätsklinikum AKH Wien**, the largest hospital in **Austria**, successfully involved workers in developing measures to prevent MSDs;
- **Swissport Cyprus Ltd** tested, further developed and purchased a state-of-the-art suit (wearable exoskeleton) to better manage manual handling at Larnaka and Paphos International Airports;

- **German** multinational software corporation **SAP SE** developed a comprehensive knowledge database to promote ergonomics and prevent MSDs;
- **F&F Ltd**, a family-run sweets factory in **Hungary**, planned and designed technical modifications for its production line based on ergonomic principles to improve OSH conditions and to reduce MSDs;
- **Servigi Italia Spa**, a provider of laundry and sterilisation services to the healthcare sector, introduced innovative operating methods and instrumental changes in its plants to prevent MSDs while improving awareness of and knowledge about ergonomic risks;
- **the Latvian** metalworking company **SIA Silkeborg Spaantagning Baltic** created a safe and ergonomic workplace with the help of employees by using practical solutions to handling and lifting heavy loads;
- **UAB Vonin Lithuania** is a professional fishing equipment manufacturer that minimised operators' shoulder sprain during their shifts after carrying out company-wide ergonomics training;
- **the Slovenian** insurance company **Zavarovalnica Triglav, d. d.** developed a strategic approach to OSH so that employees have the best physical and mental health possible.

A further eight organisations were commended: the building materials company **Rohrdorfer Transportbeton GmbH** from Austria; **GZA Ziekenhuizen** hospitals from Belgium; **Suomen Nestlé Oy**, a Finnish children's food factory; **Siun sote-Municipal** authority social and health services for North Karelia from Finland; the Italian yarn company **Zegna Baruffa Lane Borgosesia SpA**; the Dutch cleaning services company **Hago Next**; **Verdonk Broccoli**, a vegetable growing company from the Netherlands; and the Spanish meat company **Elaborados Julián Mairal sl**. Trophies for the awarded organisations and certificates for the commended organisations will be given out in a special ceremony at the Healthy Workplaces Summit in Bilbao, Spain, in November 2022. All examples will be published as case studies and in a booklet in the coming months.

## A DIFFERENT APPROACH TO MALARIA DATA

Malaria is an acute febrile illness caused by *Plasmodium* parasites, which are spread to people through the bites of infected female *Anopheles* mosquitoes. There are 5 parasite species that cause malaria in humans, and 2 of these species - *P. falciparum* and *P. vivax* - pose the greatest threat. *P. falciparum* is the deadliest malaria parasite and the most prevalent on the African continent. *P. vivax* is the dominant malaria parasite in most countries outside of sub-Saharan Africa.

A recent article in *The Lancet* presents a different landscape of WHO data on malaria. The WHO Global Malaria Programme has provided clear and compelling narrative based on the best available data and methods.

However, in accordance with best practices, the estimates change each year across the time series. In sub-Saharan Africa, where 98% of global malaria mortality occurs, the WHO Maternal Child Epidemiology Estimation group quantifies a cause of death. In 2021, WHO published new estimates of cause of death using a different approach.

The comparison of changes in the malaria deaths of 2000 versus 2019, between the old and new methods, are 45% versus 38%. If the global malaria incidence and mortality rate in 2000 were applied to populations at risk annually to 2020, the investments made over the past 20 years would have contributed to an estimated 11 million lives saved and 1.7 billion cases averted since 2000.

### DIFFERENT ESTIMATES

In sub-Saharan Africa alone, there could have been an estimated 360 million cases in 2020,



instead of the current estimated 219 million cases. Simply comparing the 241 million cases estimated at baseline in 2000 and 2020, the first year of the Covid-19 pandemic, misses these important perspectives.

Since 2015, however, progress has stalled, and the reasons are complex. In sub-Saharan Africa, more people live in areas of risk of malaria, where funding has plateaued, coverage of vector control interventions has flattened or declined, and access to quality care is inadequate. Available tools are compromised by biological threats.

What should be done? Investing now, efficiently, and equitably in malaria and health systems can lead to a great return and will guard against future threats.

[www.thelancet.com/journals/lancet/article/PIIS0140-6736\(22\)00732-2/fulltext](http://www.thelancet.com/journals/lancet/article/PIIS0140-6736(22)00732-2/fulltext)

<https://www.who.int/teams/global-malaria-programme>



### GREEN IN HOUSEKEEPING

Housekeeping is at the frontline of any hotel business. Their contact with guests and their presentation of rooms for guest appreciation is of utmost importance. It is often overlooked that housekeeping plays a critical role in creating sustainability in the hotel. Tatjana Ahmed, Director of Housekeeping at Grand Hyatt Dubai and Chairwoman of the UAE Housekeepers Association, talks about the importance of green choices and gives some suggestions.

It is necessary to train the teams to learn company values when it comes to cleaning green: having eco-friendly products and processes in place is of no value if staff aren't making use of them. Each employee has individual beliefs in regards to environmentally friendly practices, therefore it is important for hotels to offer training for their staff. This way it will assist hotels to conserve water that might otherwise be wasted when leaving taps open while cleaning and by unnecessary flushing of toilets. Hotels can focus on a number of areas when it comes to training their staff, this includes water management, energy efficiency, waste segregation and recycling. Use products with less packaging: anyone who has stayed in a hotel will



be familiar with the packing material of tiny guest amenities. Often neatly boxed, once the box is open, the item is still packed in a plastic sleeve: will just be thrown away, ending up in a garbage dump or landfill. Hotels should choose supplier companies that use environmentally friendly packaging. Reducing your water consumption is also important: you don't need to change sheets and towels every day. Therefore, many hotels have adopted a sustainability policy in which the guest has the option to opt-out of the daily change of linens. and then, of course, use eco-friendly products which come as concentrates - including disinfectants, glass and window cleaners, liquid soaps, degreasers, laundry detergents and many more.

Source: Cleanmiddleeast



### ANTIBIOTICS AND COVID-19

Antibiotics are not effective treatment for viral infections, including COVID-19. However, in a recently released JAMA (*Journal of American Medical Association*) research letter, *Antibiotic prescriptions associated with COVID-19 outpatient visits among Medicare beneficiaries, April 2020–April 2021*, CDC authors found that during the first year of the COVID-19 pandemic (April 2020–April 2021), 30% of outpatient

visits for COVID-19 among Medicare beneficiaries were associated with an antibiotic prescription. Azithromycin was the most frequently prescribed antibiotic (50.7%), followed by doxycycline (13.0%), amoxicillin (9.4%), and levofloxacin (6.7%). Prescribing rates were highest for emergency department (33.9%) and telehealth encounters (28.4%). Non-Hispanic, White beneficiaries were prescribed antibiotics at a higher rate than African-American or Black beneficiaries.

Antibiotics, including azithromycin, are not effective treatment for COVID-19 and should not be prescribed to most outpatients with viral infections. Anytime antibiotics are prescribed, they can lead to adverse drug events and contribute to antibiotic resistance, an urgent public health threat. Findings from this study reinforce the importance of improving appropriate antibiotic prescribing in outpatient settings and avoiding unnecessary antibiotic use for viral infections, including COVID-19, in older adult populations.

For more information on improving antibiotic prescribing and use, visit [www.cdc.gov/antibiotic-use](https://www.cdc.gov/antibiotic-use).

## ISC SIGNS STRATEGIC PARTNERSHIP WITH SOFTBANK ROBOTICS EMEA

**ISC Italy adds Whiz, the autonomous vacuum sweeper, to its product portfolio to deliver innovation for FM and cleaning clients**  
**Whiz drives performance and efficiency in cleaning teams to improve service delivery and free up janitorial staff to focus on high value tasks**

SoftBank Robotics EMEA has signed a strategic partnership with ISC, the leading services provider in Italy. Under the agreement, ISC will now offer Whiz, Europe's first industrial cobotic vacuum sweeper, to its facility management (FM) and cleaning contractor clients. By implementing Whiz into their cleaning operations, ISC can help its clients to significantly improve cleaning performance and drive efficiencies. Importantly, ISC can demonstrate innovation and deliver the new approaches contractors need in the ongoing fight against COVID-19 and the safe return to the workplace for employees.

**Stefano Grosso, CEO at ISC**, said: "Whiz is an extremely exciting product that we know will make a big difference for the industry. Both practical for janitors who struggle with high loads and stress, but also financially to increase the already pressed margins. With Whiz we can extend our offer of cobots for cleaning, because it represents a novelty for the Italian market. This is the future!"

Whiz is a simple to use and reliable self-driving cleaning solution designed for vacuuming. It works alongside commercial cleaning teams, taking over repetitive, heavy-duty vacuuming of large areas of flooring, and freeing up workers to focus on high value tasks which make a real difference to service delivery and client satisfaction. For example, the sanitisation of hard surfaces, such as door handles and lift buttons, which is critical in preventing the transmission of COVID-19. Whiz can clean up to 500 m<sup>2</sup> per hour and covers 1,500 m<sup>2</sup> on a single charge. It delivers greater efficiency and consistency in cleaning performance than traditional approaches, where cleaning teams

deploy a 'spot cleaning' method to clean large areas of flooring. This is the latest in a series of new partnerships that Softbank Robotics EMEA has signed this year, across Europe and the Middle East, as demand for Whiz continues to grow. Already, Whiz is the world's number one professional autonomous cleaning robot, based on sales, with more than 16,000 units now in operation globally.



**Jesper Christensen, VP Sales & Product at SoftBank Robotics EMEA**, said: "We always look to work with forward-thinking cleaning solutions providers that are committed to delivering innovation and business value to their clients - and to helping them navigate these extremely challenging times. ISC Italy is exactly that and we're excited to be working with their talented and experienced team"

"We're seeing a real surge in demand for Whiz amongst FM providers and cleaning contractors across the whole region as the pandemic continues to disrupt economies and businesses. Contractors are facing huge pressure to deliver improved cleaning performance and consistency, to ensure buildings are safe and hygienic, and to encourage people back to work, as and when lockdown restrictions are eased. Whiz has a big part to play in this, freeing up cleaning staff to focus on high-traffic, high-touch areas, and picking up the slack when team members are absent."

Whiz is available in Italy, through ISC, a strategic partner to SoftBank Robotics EMEA. The new partnership brings together ISC's market-leading experience, knowledge and understanding of the Italian industry, with SoftBank Robotics' heritage and intelligence within technology and innovation.



# About Interclean Amsterdam 2022

THE EVENT THAT IS MORE THAN AN EXHIBITION

Interclean Amsterdam is much more than just an exhibition. Industry experts will take the stage to share their knowledge and best practices on a broad variety of Cleaning & Hygiene topics. With an Innovation Lab, Robot Arena, Zero Waste Dome and many more, the show will offer the latest innovative solutions, trends and developments.

## INNOVATION LAB & INNOVATION AWARDS

The Innovation Lab is the place to be for everything and anything relating to innovation. This exciting onsite activity platform will feature products, solutions, technologies, an impressive line-up of speakers and the most remarkable innovations at the show.

Key component of the Innovation Lab revolves around the nominations for the Amsterdam Innovation Award, showcasing all the nominated products. A special display provides



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Europaplein  
1078 GZ Amsterdam  
The Netherlands  
10/13 May**

the nominated and winning products offering you more background information on the innovation and the company that created it.

### ***Innovation Lab Stage***

important part of InterClean is exchanging knowledge and networking. The Innovation Lab Stage offers visitors networking opportunities and also easy access to free educational sessions, including the Daily Talk Shows on sustainability, digitalisation and the cleaning workforce.

### **HEALTHCARE CLEANING LAB**

The Healthcare Cleaning Lab in hall 12 is where you will find cleaning products and practices specifically for the healthcare industry. Live demonstrations are held in hospital setting that teach you about specialised cleaning methods, guidelines, dress codes, hand hygiene and much more. The demonstrations will be presented by a professional from SVS: an educational institute for the facility and cleaning industry. In addition to the demonstration area at the Healthcare Cleaning Lab you will find the Healthcare Cleaning Lab Theatre. Daily presentations are given



# Office hygiene is now more critical than ever. Is your facility up to date?

A woman with long dark hair, wearing a white shirt and a dark blazer, stands in an office setting. To her left is a black Tork hand sanitizer dispenser. A blue circular callout is positioned over her chest.

Join us  
at InterClean,  
10-13 May 2022,  
Tork stand  
10.101!

## **Tork helps you elevate your business with sustainable hygiene management**

Improving cleaning quality and providing a hygienic and healthy work environment has become a priority for facility managers in office buildings. So please join us in person at InterClean 2022 to understand how sustainable hygiene management can elevate your business.

Learn more at Tork stand 10.101 or [tork.co.uk/InterClean](https://tork.co.uk/InterClean)

Tork, an Essity brand



**Think ahead.**



on a wide range of topics involving cleaning and infection prevention. Pressing themes are discussed in three Debates, where experts exchange their views on the merits and benefits of new technologies and solutions such as non-wovens, UVC and air quality.

Debate 1:

**Tuesday, 10 May**

The pros and cons of single and reusable wipes and protective clothing in healthcare.

Debate 2:

**Wednesday, 11 May**

Automated Room disinfection: the pros and cons of UVC.

Debate 3:

**Thursday, 12 May**

'It's all up in the Air': on the importance of clean air and what we can do to improve it.

### **HEALTHCARE CLEANING FORUM - ENVIRONMENTAL HYGIENE: LOOKING TO THE FUTURE**

Interclean's Healthcare Cleaning Forum is taking place for the second time in RAI Amsterdam on 12 May 2022. The programme has been put together in close cooperation with Clean Hospitals®. The focus of this one-day international conference is on cleaning and hygiene as part of infection prevention in hospitals and long-term care institutions. Visitors to this year's conference can



look forward to interesting keynote speeches and breakout sessions relating to themes such as the impact of COVID, cleaning and disinfection, (international) guidelines, sustainability, the importance of evidence-based interventions and new, innovative technology. Hackathon: Boosting digitalisation and attracting new (young) talent While digitalisation is set to transform the industry, its rapid growth has highlighted a key issue, namely the digital skills gap in the professional cleaning industry and other industries. To draw attention to this theme 10 teams with 5 members each from all over the world will be attending InterClean to

demonstrate their problem-solving skills on 11 May 2022. The challenge that the teams will take revolves around the development of an application concept for cleaning personnel, based on a real daily issue. As a visitor you will be able to walk around the workstations, talk to the teams, follow their progress and share your thoughts on their concepts.

## ROBOT ARENA - ROBOTS AND COBOTS

The robotic revolution in the cleaning industry is continuing thanks to the ever-increasing use of automated and autonomous cleaning machines within the industry. The latest trend is cobots, with robots and humans working together

to get the job done in the most efficient way possible. Visitors can experience first hand the benefits of using robots and cobots to create a more efficient cleaning strategy in the Robot Arena.

## ZERO WASTE DOME

Cleaners play a crucial role in (zero) waste management. Maximum recycling requires pure 'raw material' flows. Since cleaners are active company-wide, they are able to view waste separation in a perfectly analytical way and can contribute to optimisation and expansion by supervising sustainable solutions, data management and logistics. A variety of solutions are going to be presented for separating, collecting,



AMSTERDAM  
10 | 11 | 12 | 13  
MAY 2022  
HALL 2  
BOOTH 114



# KlinMak®

keep clean



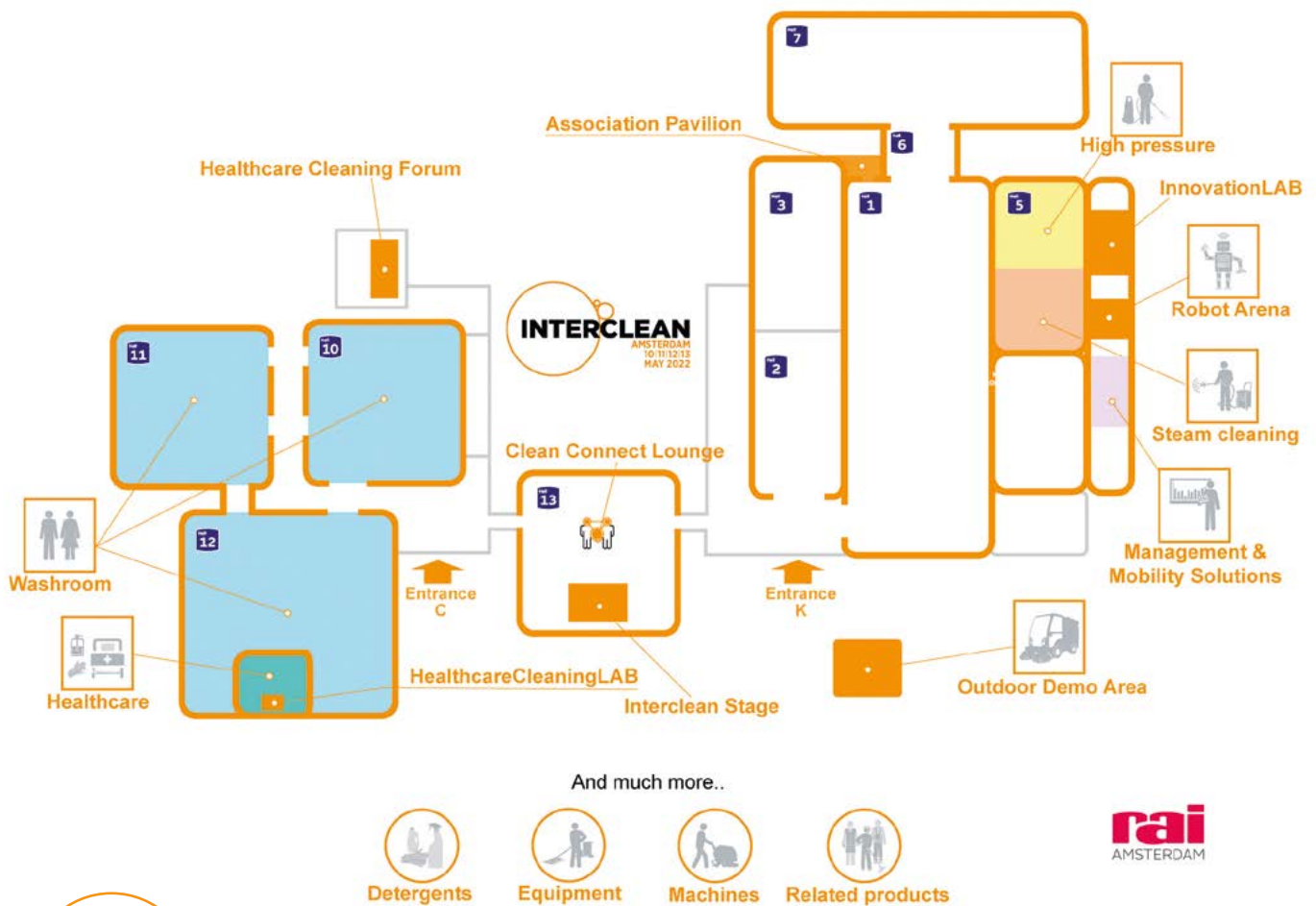
## MINI<sup>12</sup><sub>40</sub>

12 liters – 2x8" = 406 mm

Proud to help you  
in a successful  
cleaning experience.



Welcome to the new Era of the  
compact scrubber dryers.



grinding, pressing and composting materials, as well as examples of circularity and closing the loop by repurposing 'waste'. Daily presentations by experts in the field of waste separation, environmental equipment and sustainability in the supply chain will give insights into current and future trends. The programme in the Zero Waste Dome has been developed in collaboration with the Zero Waste Foundation.

## FACILITY INSPIRATION EVENT

The Facility Inspiration Event (FIE) is intended to provide guidance to and update Facility Managers with regard

to current challenges which are relevant for the development of cleaning and facility strategies and procurement. The event is intended to help managers find the right solutions for specific challenges and is inspired by relevant innovations. The FIE offers one-hour inspirational sessions followed by themed innovation tours and a Connect & Exchange lunch. During the inspirational sessions experts will provide an insight into 3 key themes, namely:

- Sustainability and supply chain cooperation: not a USP but a must.
- Workforce & ergonomics.
- Data-driven performance management.

A specific tour of selected exhibitors has been created for each theme based on specific developments, innovations and solutions. Visitors can choose to join a guided tour on the Interclean trade show floor, or they can follow the 'do-it-yourself' tour via the Clean Connect online platform and app. The participants will be invited to attend a lunch after the inspiration sessions which will give an opportunity to ask the experts questions, exchange ideas and experiences with fellow Facility Managers and gain extra inspiration to help them get started on these themes.

# ITALIAN EXHIBITORS LIST

Aggiornato al 14 aprile 2022



<b>A</b>	<b>Stand</b>				
ACleanPro	03.116	Gisowatt	05.328	Packing 90	12.808
A.C.E.M. Srl	07.205	Golden Filter Srl	02.307	Paperdi Srl a Socio Unico	11.109
Adiatek Srl	02.113	<b>H</b>	<b>Stand</b>	Poli Cleaning Machines	05.203
Afidamp	03.506	HAWK Leuco Spa	05.257	Polti Spa	05.504
Ajsia		HG HYPER GRINDER Srl	07.419	Power Wash Italiana Srl	05.436
Alberti International Srl	05.242	Hoover professional	03.303	Profijet High Pressure Cleaners	05.147
AL-KO Vehicle Technology Electronics Srl (Nordelettronica)	03.104	Hygan GmbH Srl	05.305	PTC Srl	05.155
Allegrini Spa	07.104	Hygenia Srl	12.605	Pulitecno Srl	05.256
Amer Spa	03.109	<b>I</b>	<b>Stand</b>	<b>Q</b>	<b>Stand</b>
Ametek Italia Srl	05.505	I.c.a. Tissue	11.207	QTS Itali Srl	10.305
Annapapi	07.201	IBIX Srl	05.361	<b>R</b>	<b>Stand</b>
Annoui Reverberi Spa	05.243	Idrobase Group Srl	05.354	Ramex Srl	05.359
AR-CO Chimica Srl	01.533	Idromatic Srl	05.352	Ravel Srl	05.243
AUTOMATE	01.333	IDROPAVESE Sas	05.347	RCM Spa	01.333
<b>B</b>	<b>Stand</b>	IGEAX	Srl	Reflexx Spa	11.312
Bertolini Idromeccanica	05.403	IMALTEC Group Srl	05.345	Royal Srl	11.102
Biemmedue	01.131	IMET Sas	12.809	Rubino Chem Srl	03.219
Bram International Srl	01.233	Industrie Celtex Spa	10.207	<b>S</b>	<b>Stand</b>
<b>C</b>	<b>Stand</b>	Ing. O. Fiorentini Srl	02.117, 02.217	S.E.D. Special Electronic Design Srl	07.412
C.C.A.G. Crotti Srl	03.309	Injecta Srl	05.327	S.P.E.	01.117
Cartiere Carrara	10.303	Interpumo Group	01.105	Sanifica Srl	12.821
Cartindustria Eurocarta Srl	12.601	ISSA - The Worlwide Cleaning Industry Association	06.206	Sanitec-Italchimica Srl	01.539
Centralcarta	10.304	ISSA Pulire Network Srl	06.206	Santa Gemma T.C.O. Srl	10.106
<b>Cleaning Community</b>	<b>01.138</b>	<b>K</b>	<b>Stand</b>	Santoemma Srl	05.111
Cleaning Component	05.441	Kemika Spa	07.424	Seko Spa	01.315
Comac Spa	01.503	Ketek Srl	02.208, 02.209	Sibilia Srl	05.332, DEMO.01
Comet Spa	01.503	Klindex	05.115	Simm Engineering Srl	05.448
Coraggi Fibre Srl	05.445	KlinMak	02.114	Sofidel Spa	10.201
Coyncio	05.330	KROLL Srl	11.105	Spival Spa	01.637
<b>D</b>	<b>Stand</b>	Künzle % Tasin Srl	07.317	Steam Italy Srl	05.135
DAGU	07.313	<b>L</b>	<b>Stand</b>	Sterigam Srl	12.106
DAINA Srl	11.217	Lavor	02.203	STI Srl - Steam Industry	05.204
Decor Srl	11.207	Liber Srl	07.102	Stil Casa Di Marcheselli A. & C Snc	12.309
Delfin Srl	05.206	Lindhaus	03.304	Sutter Professional	01.230
Depureco Industrial Vacuums Srl	05.121	Lombarda H Srl	11.415	Synclean Srl	03.112
Dulevo International	02.207	Lucart Group	12.301, 12.401	<b>T</b>	<b>Stand</b>
Duplex International Srl	01.219	<b>M</b>	<b>Stand</b>	TCE Group Srl	07.219
DU-PUY	07.217	Maer Idropulitrici Srl	05.253	Tecno.mec	05.349
<b>E</b>	<b>Stand</b>	Mar Plast Spa	11.103	Tecnouap Srl	03.117
Ecochem Srl	03.203	Master Climate Solutions	05.608	Tenax International Spa	DEMO.01
Elsea Srl	01.115	Maxima Srl	01.215	TMB Srl	01.307
EMILTEC Srl	05.345	Mazgoni Srl	05.350	TPA Impex Spa	05.145
Epoca Spa	03.119	Mecline by Tecomec	05.251	Tre Colli Spa	01.305
ERREBI PAPER Srl	12.120	Medial International - Metalnova	12.105	TSM - technology Systems by Moro Srl	03.110
Eudorex Srl	05.510	MENIKINI - General Vapeur	01.311	TTS Cleaning Srl	01.431
<b>F</b>	<b>Stand</b>	Merlett Tecnoplastic Spa	07.200	TWT Srl	01.133
Faber Tile & Stone Care	07.407	MTM Hydro Srl	05.153	<b>U</b>	<b>Stand</b>
Falpi Srl	01.407	<b>N</b>	<b>Stand</b>	Udor Spa	05.252
Fa-Ma Jersey Spa	05.133	Nettuno	11.409	Univac Srl	05.432
Fibratesco Srl	01.231	Nicolini & C. Srl	01.432	<b>V</b>	<b>Stand</b>
Filmop International Srl	01.211	Novaltec Group Srl	07.306	Vama Elettrotermo Meccanica Srl	10.105
Fimap Spa	01.421B	Nuova Brescia Accumulatori Srl	03.206	VDM srl	01.339
Floorwash Srl	05.341	<b>O</b>	<b>Stand</b>	<b>W</b>	<b>Stand</b>
<b>G</b>	<b>Stand</b>	OMM Scrubbers & Sweepers	01.335	We Italia Srl	11.303
GERMO Spa	01.142	ORMA Air Control	11.300	WM System Srl	03.317
Ghibli & Wirbel Spa	01.507	<b>P</b>	<b>Stand</b>	<b>Z</b>	<b>Stand</b>
		PA Spa	05.141	Zeca Spa	05.244

# Nominees Interclean's Amsterdam innovation Award 2022

From cloths made from plastic bottles collected from coasts, beaches, seas and rivers to eco-friendly cleaning robots or a spray bottle that turns tap water into aqueous ozone, which is a powerful, natural sanitizer. An independent jury selected the 12 nominees for Interclean's Amsterdam Innovation Award from 78 submissions in 4 categories. You can vote for the Visitors' Choice on the Interclean Amsterdam website from the beginning of April onwards. The category winners and the overall winner of the

Amsterdam Innovation Award are to be announced on 10 May, which is the first day of the Interclean Amsterdam exhibition.

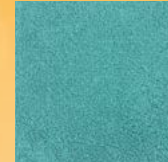
The first edition of the Amsterdam Innovation Award (AIA), which includes new, thematic categories, attracted 78 submissions. The majority were for the Sustainability & Environment and Workforce & Ergonomics categories.

THE FOLLOWING HAVE BEEN NOMINATED FOR THE AMSTERDAM INNOVATION AWARD 2022:

## CATEGORY

SUSTAINABILITY

& ENVIRONMENT



- **Maya Professional Tools, EVERSEA Multipurpose Cloth:** made with 30% SEAQUAL® YARN by processing PET from plastic bottles collected from coasts, beaches, seas and rivers.



- **Tork, an Essity Brand, Tork Biobased Heavy-Duty Cleaning Cloth:** helps to lower the consumption of fossil-based materials, while improving cleaning efficiency.



- **Spectro, Ecodos Dosage Bottle:** a dosage bottle of which 100% is made using the world's first closed recycling cycle of plastic packaging in the cleaning industry.

## CATEGORY

### SMART TECHNOLOGIES & DIGITALISATION



- **Vileda Professional, Sweep EviSense:** an advanced cleaning system which allows faster, more sustainable cleaning and, at the same time, indicates when the job has been done.



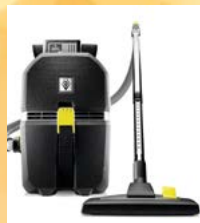
- **Lionsbot International, CubScrub:** a cleaner's personal robot assistant which anyone can use anywhere.



- **Gaussian Robotics, Gaussian Scrubber 50 Pro:** an AI-integrated commercial cleaning robot that supports automatic scrubbing, sweeping, mopping and sanitizing.

## CATEGORY

### WORKFORCE & ERGONOMICS



- **Kärcher, BVL 5/1 Bp:** the new BVL 5/1 Bp battery-operated ergonomic backpack vacuum cleaner made of innovative and ultralight EPP material.



- **RCM, Nexbot:** an autonomous scrubber made to clean large spaces quickly with minimum environmental impact and increase cleaning profitability.



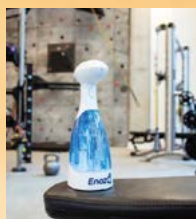
- **Arcora International, Arcora Pu-Pad Light:** a floor cleaning pad for all water-resistant surfaces with an area coverage of 80,000 m<sup>2</sup>.

## CATEGORY

### HEALTH & HYGIENE



- **Alani Higiene Profesional, Coreless Centre Pull Paper Towel in Tad:** a paper towel on a roll with consumption control and waste reduction.



- **Consensus Group, EnozoPRO:** a spray bottle that turns tap water directly into aqueous ozone. It is non-toxic, sustainable, eco-friendly and contains no fragrances or dyes.



- **AR-CO Chimica, Aladin GT5:** the Aladin system is an automatic distributor of super concentrated products, providing ready-to-use solutions in the right quantities.

From April to 3 May fellow professionals and industry partners voted for their favourite innovation. The nominee with the most public votes will win the Visitors' Choice certificate. The announcement of the category winners and the Visitors' Choice and the awarding of the Innovation Award to the overall winner are scheduled to take place on Tuesday 10 May during the Interclean Amsterdam exhibition in RAI Amsterdam.

# ARCO CHIMICA and Aladin GT5 to the Amsterdam Innovation Award 2022

ARCO CHIMICA WAS NOMINATED FOR THE AMSTERDAM INNOVATION AWARD 2022 WITH THE ALADIN GT5, PROFESSIONAL DETERGENT WITH AUTOMATIC DILUTION SYSTEM



**A**ladin GT5 is an automatic detergent dispenser of super concentrated product to obtain the ready to use solution. Is the only system that allows to obtain a certain cost of detergents, because the dilutions of the products are managed by a software previously programmed according to the customer's needs.

Ideal solution for hospitals, offices, gyms, schools and universities and commercial activities in general.

The goal is to bring customer attention to super concentrated product because is possible to benefit the reduction of warehouse, logistic costs, and by totally reducing packaging.

#### **THE IMPACT THE SYSTEM IN CATEGORY HEALTH & HYGIENE**

Never before has it been

essential to control and monitor the flow of consumption and related costs within structures that have always been exposed to waste of chemical products. The system guarantees that employees do not come into contact with concentrated chemicals.

Aladin allows a certain cost of cleaning, compared to the traditional way.

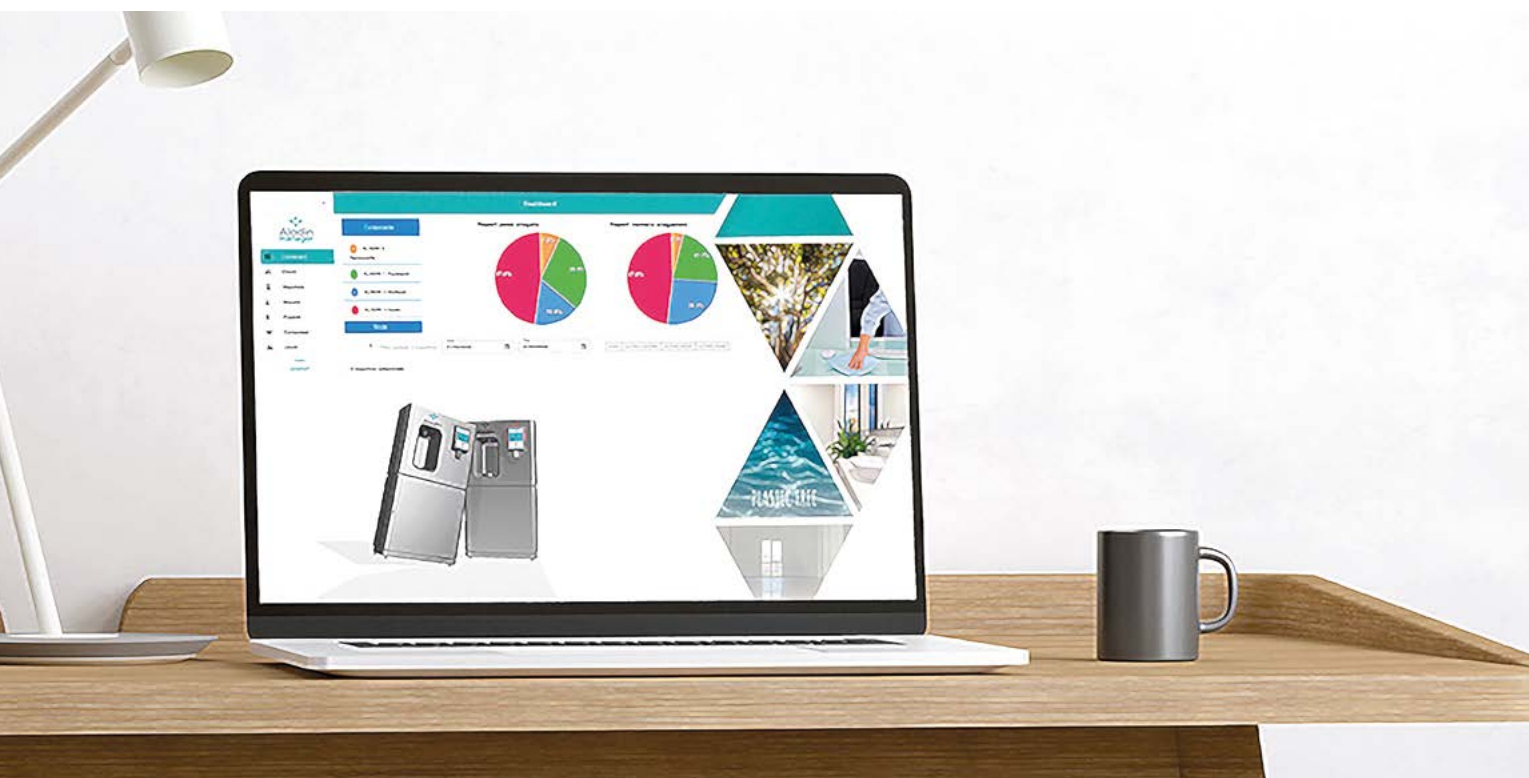
ARCO CHIMICA believes that the Aladin GT5 has a strong impact in terms of safety

The product range offers the opportunity to develop a 360 ° green cleaning plan thanks to Ecolabel certified and zero impact products.

What is the innovation?

Aladin represents a more singular challenge in the context of a market characterized by risks for the operator and uncontrolled consumption.





It was created with the aim of providing a highly technological and safe solution in the cleaning sector.

It is a safe and automated cleaning system for the operator since the correct dilution of the product, guaranteed by the system, allows an improvement or elimination of the danger symbol from super concentrated detergent to ready-to-use product. Aladin system aims to optimize the dilution and use of detergents.

#### ABOUT ALADIN GT5

Aladin is an automatic detergent dispenser that aims to optimize and control the dilution and use of detergents. It allows, in fact, a targeted assessment of consumption according to all the cleaning operations planned on construction sites, for each operator and for each

product. Aladin is the only system that allows you to obtain a Certain Cost of cleaning.

#### Advantages

- Consumption control
- Monthly cleaning fee
- Reduction of chemical product costs
- Zero chemical risk for operators
- Staff training
- Reduction of chemicals stock
- Remote reporting and traceability of the consumed Environmental Improvement Report
- Emergency assistance
- Complete product range Food - Ecolabel - Hotel

The best solution for: Hospitals, Schools and universities, Nursing homes, Gyms, Business, Office, Medical practices.

#### SYSTEM SERVICES JUST A CLICK AWAY

##### Pre analysis:

it allows the preventive calculation of the monthly fee of the detergent and the assignment of the monthly quantity of product per operator.

##### Configuration:

the Aladin dispensing system is equipped with a USB port where it is possible to upload configuration files with the setting data of the disbursements to be made. The dosages are guaranteed with the help of an electronic scale. Remote control in real time.

##### Web Platform:

Aladin's web platform allows remote control of the consumption of the products dispensed. Thanks to this system, the company has the possibility to remotely verify the status of the site's consummate.



## SITE SIMULATION WITH ALADIN DETERGENT SYSTEM



### WHY THE ALADIN SYSTEM IS SAFE?

It is a safe cleaning system for the operator because of the correct dilution of the product, guaranteed by the system, allows an improvement or elimination of the danger symbolism from super concentrated detergent to ready-to-use product.

1. Highly concentrated product. Placed in the canister compartment with closure or inside the machine warehouse. Danger symbology present in sds.
2. Dilution of the highly concentrated product

thanks to charged the Aladin machine, according to the programmed dilution.

3. Ready-to-use product used by the operator. Improvement or elimination of the danger symbology present in sds.

*Ecolabel certified site cleaning service:*

the service company that uses the Aladin Ecolabel system and products is facilitated in undertaking the Ecolabel certification process of the cleaning service within a specific construction site.

### ALADIN PRODUCT RANGE

The dispensing takes place through an RFID badge supplied to the operator. The machine works only with products from our range, thanks to a label positioned on the super concentrated product tank, which allows Aladin to work.

### PLASTIC FREE IMPACT

Save 33.6 kg of plastic every year, equal to 210 jerry cans.  
-80% plastic not used

### ENVIRONMENTAL IMPROVEMENT GENERATED BY THE SITE

**Reduction of electricity consumption:**

-0,64 kW/h

**Reduction of CO2 into the air:**

-60,48 gr

**H2O not used:**

-106,85 lt

**Unused cardboard packaging:**

-12,1 kg

**Unused bottles and jerry cans:**

-33,6 kg

### SITE SIMULATION WITH ALADIN DETERGENT SYSTEM

TYPE OF INTERVENTION	FREQUENCY	Tank/month Aladin	Tank/month Aladin	Tank/month trad	Tank/year trad
Floors	5 of 7 day	1.45	18	8.7	108
Furnishings	5 of 7 day	1.31	16	7.86	96
Toilet	5 of 7 day	0.66	8	3.96	48
Others	5 of 7 day	0.65	8	0.65	8

#### ALADIN GT%

Weight	49 kg
Height	128 cm
Width	67 cm
Depth	30 cm
Capacity	4 Taniche
Bottle filling time	30"

#### Tanks / year Aladin

50

#### Tanks / year Aladin Trad.

260

#### Site type

Office building

#### Square meters

5000 mq

**INTERCLEAN**  
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MAY 2022

JOIN US AT  
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**STAND 05.204**



**JOIN  
THE STEAM  
REVOLUTION**

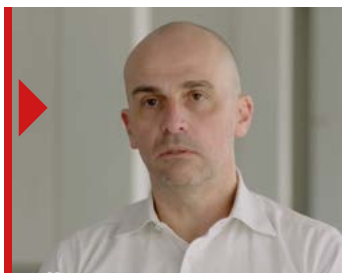
[stindustry.it](http://stindustry.it)

**Check out our full range of  
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# RCM and NEXBOT to the Amsterdam Innovation Award 2022

RCM WAS NOMINATED FOR THE AMSTERDAM INNOVATION AWARD 2022 WITH THE NEXBOT PROJECT, THE COBOT. THIS AUTONOMOUS SCRUBBER MADE IN ITALY HAS BEEN INSERTED AMONG THE MOST INTERESTING INNOVATIONS OF 2022 FOR ITS EFFICIENCY AND REMARKABLE HOURLY PERFORMANCE.



*Riccardo Raimondi,  
direttore generale RCM*



**N**EXBOT is the autonomous scrubbing machine designed to efficiently clean large spaces, such as airports, shopping centers, hospitals and logistics, minimizing environmental impact. NEXBOT is a COBOT, a collaborative robot, designed to clean large areas together with a cleaning operator. It is completely designed and manufactured in Italy. It was born from the collaboration of important Italian companies

specialized in robotics and cleaning, among which RCM. NEXBOT has been nominated to the Amsterdam Innovation Award 2022, in the Workforce and Ergonomics category for efficiency and technology that allows long consecutive work shifts.

High performance, supported by high speed, nonstop cleaning for draining waste water and refill, running time over 6 h, double work shift possibility, AI designed cleaning routes, increase significantly the profitability of cleaning with autonomous machines.

#### **BENEFITS OF NEXBOT, THE COBOT**

##### **Professionals using NEXBOT get these benefits.**

- Cleaning is independent of the operator: the path is decided by the artificial intelligence system (patented)
- The operator interface is

easy to use. Cleaning task can be planned

- Best-in-class sensors, including Lidar, ultrasonic sensors and cameras, ensure safe work and precise obstacle avoidance even in crowded areas
- Real-time remote monitoring of machine work, condition and service, as well as reporting of clean areas.

#### **ECOLOGICAL CLEANING AND MAXIMUM AUTONOMY**

**Sustainability is a priority. NEXBOT has these earth-friendly features:**

- Thanks to its patented cleaning system it is able to clean non-stop over 6 hours with a single solution tank of 90 liters, reducing the use of clean water, detergent and waste water to 85% comparing to other scrubber driers.
- It also reduces to zero the stops for draining and refilling water

- Less clean water means also less detergent used and lower disposal cost for detergent packing
- AC motors and software design reduce energy consumption of 20%, allowing over 6 hours running time
- Quality components together with easy maintenance and serviceability, extends working life of the

and precise obstacle avoidance.

### **NEXBOT: DETAILS THAT PRACTICALLY MAKE THE DIFFERENCE**

**NEXBOT is designed to cleans large areas together with a cleaning operator who cleans furniture and areas difficult to reach like corners, along walls and around furniture:**

### **Profitability: when the cobot is convenient for companies and professionals?**

- High working speed ensure high sqm/h cleaned, similar to standard machines
- Patented AI system optimize cleaning route, independently from operator
- Non-stop cleaning (Patented system) for



NEXBOT,  
the COBOT  
of Automate  
(RCM group)



machine up to 10.000 hours, reducing the waste of components of 50% comparing to standard machines

- Components used in the machines are recyclable for the 75 % of the weight.

### **TECHNOLOGY AND ARTIFICIAL INTELLIGENCE**

NEXBOT uses latest SLAM technology to map, localize and navigate even in the most complex areas and Artificial Intelligence (patented) to find the quickest and more efficient path to clean completely an area. Best in class sensors, including Lidar, ultrasonic sensors and cameras, guarantee safe working

- Cleaning is independent from operator as route is decided by AI system (Patented)
- Operator interface is easy to use. Cleaning task can be planned by supervisor to make the use of machine extremely simple
- Best in class sensors guarantee safe working and precise obstacle avoidance even in busy areas
- Internet connection ensures real time remote monitoring and controlling of the work, the status and the service of the machine as well as report of the cleaned areas

over 6 h means higher profitability of cleaning, both for machine, reducing to zero the stops to drain waste water and refill clean water, and the operator who can continue to clean areas difficult to reach without interruption.

- Less clean water used means also reduce waste of energy and money
- 6 h running time cover the entire workshift without need of battery recharge or replacement or second machine
- 3 h fast charging gives the possibility of a second 6 h shift per day.

For more information about NEXBOT: [rcm.it](http://rcm.it)



# INDUPHARMA is born, but it already has a long history ...

THE COMPANY  
IS THE IDEAL  
INTERLOCUTOR  
TO RESPOND IN  
A TIMELY AND  
INNOVATIVE  
WAY TO EVERY  
REQUEST



*Giovanni Caggaro, CEO  
Indupharma S.r.l.*

**INDUPHARMA** S.r.l. comes from the merger of two leaders in their respective fields of competence: I.N.D.I.A. Industrie Chimiche, founded in Padua in 1932, reference brand for insecticides and rodenticides for civil and industrial use in terms of quality, competence and service, and by Industrialchimica, a company with more than 30 years of activity in the production for third parties of biocidal formulations and phytosanitary products, for companies present in the

professional pest control, Home & Garden and agriculture markets. Counting on the excellent production capacity of Industrialchimica and the commercial positioning achieved by I.N.D.I.A. in Italy and abroad, INDUPHARMA is the ideal interlocutor to respond in a timely and innovative way to every request from each reference market.

## **RESPONSIBILITY AND AWARENESS**

INDUPHARMA guarantees its commitment to the values of responsibility and awareness, in all research and formulation activities, in the manufacture and distribution of products and services, in the training of pest control professionals, in technical and regulatory assistance, as well as in the choices of continuous technological innovation. Every day, not only we formulate, produce and distribute pest control solutions, but also, we

set ourselves the goal of improving the quality of human life from a global point of view. This mindset brings us to put our skills, experience and technology at the service of the protection of public hygiene, through the use of effective products, which guarantee constant performance, in the widest respect for the environment.

## **OUR COMMITMENT IN INDUPHARMA**

In the production and marketing of products, INDUPHARMA has not limited itself to complying with the mandatory requirements, instead it has decided to make choices as close as possible to the guiding philosophy of the regulations. This is why our focus has always been the same: to seek the best relationship between a solution of maximum efficacy and a classification of reduced toxicity resulting from an in-depth research of active ingredients and



co-formulants. It has been and still is a demanding job, aimed at providing solutions for the present and for the future that do not compromise quality and the environment.

Our global vision makes us extremely reliable: not only we have a catalogue of products of the highest and recognized quality, but we also invest so that Italian and foreign partners are supported by our technical and applicative know-how, in the choice and use of more effective solutions. Great knowledge of the market and a solid sales coverage allow us to support customers with innovative and alternative products. In addition to being distributors of our extensive product portfolio abroad, we are also successful distributors for international suppliers who want to be present in the Italian market, thanks to a commercial department that counts on experienced managers and a widespread sales network. In

agreement with our partners, we develop exclusive projects, experiments and development plans, ensuring the inclusion, launch and development of products that we consider strategic and important for the future of our market.

#### **OUR WORK FOR A SUSTAINABLE FUTURE**

With passion and high awareness of our role, we aim at group increasingly at the service of a protected present and future. For this reason, we take the utmost care that science, technology and knowledge meet solid criteria of social responsibility and sustainability.

#### **A LITTLE INTERVIEW WITH DEBORA CAZZARO, GENERAL MANAGER**

***What is the fields that is most active for your company and which is the most requested product?***

*"Indupharma can count on a very diversified portfolio of*

*products, registrations and distribution's products, from insecticides and rodenticides to biocides, plant protection products and fertilizers, as well as disinfectants and detergents, serving both the professional, home- garden and agriculture markets. Currently the most requested products are certainly those belonging to the category of Biocides, insecticides and rodenticides for both professional and consumer use".*

#### ***Is your production oriented to the domestic market or is it significantly present abroad too?***

*"Indupharma has an expertise and know-how deriving from more than thirty years of development and presence as a leader both in the foreign market and in the national market. This competence and knowledge is not only achieved with the management of product supply, but also with an approach, that has always characterized its business, as a partner and developer of its customers' requests. For the foreign market, customers have always been supported both in the analysis part of the same at a commercial, marketing and above all regulatory level, which is essential to make the customer's wish to develop their market feasible and successful. For the national market, with permanent technical / commercial staff, we support both pre and post-sales training and assistance and consultancy, as well as being the preferred interlocutors with Municipalities and Institutions".*



[www.essecinque.net](http://www.essecinque.net)

## ESSECINQUE

### ANTIBACTERIAL CLOTH, MICROFIBER AGAINST BACTERIA

*In this particular moment in the public and hospitality areas it is extremely essential to implement maximum sanitation and the most accurate hygiene.*

*The Antibacterial Cloth is highly innovative because it is produced with fiber that has silver nanoparticles inside. The special composition of the microfiber ensures the removal of all bacteria on the surface, even without using additive chemical agents.*

*The cloth has been tested and studies have shown that after the use 99% of bacteria no longer appear within 24 hours. Its use is guaranteed for 500 washes.*

*Available colors: blue, red, yellow, green.*



[www.arcochimica.it](http://www.arcochimica.it)

## ARCO CHIMICA

### BLU RTU PLUS: NEW DISINFECTANT READY FOR USE WITH A MEDICAL AND SURGICAL DEVICE

*A new product has joined our product range, the Ready-to-use Disinfectant BLU RTU PLUS with Medical Surgical Device No. 20826 of the Ministry of Health.*

*BLU RTU PLUS is an odorless, ready-to-use disinfectant with a degreasing action for cleaning all surfaces. It is active against bacteria, viruses and fungi. It can be used in many situations and in the most varied fields:*

- Healthcare (eg: hospitals, nursing homes, doctors' offices, clinics, pharmacies)
- Community places (eg schools, sports facilities, gyms, condominiums, industrial structures, shops, wellness centers, schools).
- Means of transport for people or goods (eg cars, trucks, trains, planes, ships)
- Food industry (eg production workshops, butchers and sausage factories, confectionery industry, bakeries, meat, fish and vegetable processing industries)
- Small and large catering (restaurants, bars, hotels, canteens, delicatessens, ice cream parlors, sales counters);
- Ideal for H.A.C.C.P hobs and for the disinfection of air conditioners ventilation grilles and outlets.

*Sales format: 750ml with sprayer - 12 pcs x carton.*

# COMAC

## INNOVATION AND CERTIFICATION TO VALUE THE PROFESSIONAL CLEANING SECTOR

Comac, or Costruzione Macchine for short, was born from an idea of Giancarlo Ruffo in 1974 and since then the company has acquired the expertise and specialization necessary to develop innovative and performing floor cleaning and sanitizing machines. Thanks to the introduction of revolutionary technologies, Comac machines can optimize the use of resources by eliminating waste of water, energy and detergent, while reducing noise emissions and the time dedicated to cleaning operations.

In addition to innovative products, it is essential for Comac to meet the highest standards in order to act sustainably and offer superior value both to collaborators and customers. For this reason, the company has embarked on a certification path, this is an investment within the organization and an improvement of Comac's activities to give value to the company. The company has recently completed the voluntary process to get two important certifications: ISO 14067 and SA 8000.



The increasingly topical issue of climate change has led Comac to adopt the international standard ISO 14067, which defines the requirements for calculating the CFP - Carbon Footprint of Product, or CO2 emissions.

On the other hand, the SA 8000 standard represents an international standard, and with this certification, Comac wants to demonstrate, both nationally and internationally, the ethics of its production cycle that is mainly based on strengthening the rights of the people involved in it.

## Focus on

### VISPA EVO

*Compact and powerful, Vispa EVO is ideal for the maintenance cleaning of small and medium-sized areas and can tackle even the most stubborn dirt. The design is robust and reliable, yet without renouncing the compactness that makes Vispa EVO practical and easy to handle. Moreover, the ECO Mode technology reduces its noise level and consumption, so that it can be used in sensitive environments as well.*



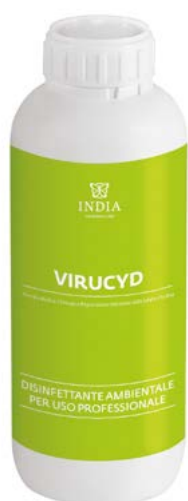


[www.comac.it](http://www.comac.it)

## COMAC

### INNOVA COMFORT, COMFORTABLE AND EASY TO USE MACHINES

*Innova Comfort is a range of ride-on scrubbing machines that is both extremely comfortable and easy to use. The capacity of the tanks and the technical features of the Innova Comfort make it an excellent partner for maintenance cleaning. It is fast and effective, and can guarantee the utmost discretion during cleaning operations, thanks to the devices for noise reduction. Using the Innova Comfort is extremely easy thanks to the working program selector which enables the selection of the type of activity to be carried out. The reclined position of the steering wheel and the super comfortable seat ensure maximum comfort for the operator. Thanks to the compact dimensions of the machine, the steering diameter is reduced, for maximum manoeuvrability even in narrow spaces.*



[www.indiacare.it](http://www.indiacare.it)

## INDIA

### VIRUCYD, CONCENTRATED DISINFECTANT

*VIRUCYD is a concentrated disinfectant for surfaces, based on Benzalkonium chloride, which eliminates bacteria (Gram + and Gram-), yeasts, all enveloped viruses (such as the SARS-CoV-2 coronavirus) and some without envelop (ex. Adenovirus, Murine norovirus). It can be used in private and public areas (homes, schools, wellness centres, gyms, beauty salon, nursing homes, medical offices and clinics, hospitals, etc.), in the food industry and for small and large catering (delicatessens, bars, hotels, restaurants, etc.). VIRUCYD is indicated for the disinfection of hard surfaces in domestic and professional environment, such as tables, chairs, worktops, shelves, bedside tables, washable bathroom and kitchen surfaces, flooring, appliances, stoves, steel sinks, plastic surfaces and stainless steel etc.*

*VIRUCYD releases a pleasant lemon scent.*

- Bactericidal in the presence of interfering substances according to EN 1276: 2019 and with surface tests according to EN 13697: 2019.
- Fungicide and Lieviticide in the presence of interfering substances according to EN 1650: 2019 and with surface tests according to EN 13697: 2019.
- Virucidal according to EN 14476: 2013-A2: 2019 and with surface test according to EN 16777: 2019.

*Available in formats: 1 L bottle and 5 L tank*

# ESSECINQUE

## THE TEXTILE EXPERIENCE FOR THE CLEANING INDUSTRY

Essecinque is a company founded in 2005 thanks to the idea of transferring to the professional cleaning sector the experience gained in forty years of activity in the textile and clothing market.

The company produces the articles of cotton and other textile fibers and over the years has built established partnerships with manufacturers of related equipment, providing its customers with a wide and varied product catalog. In the catalog: Mops, flat mops (hook and loop fastening system, pockets or flaps), cloths, handles, trolleys, windows equipment.



**QUALITY:**  
constant attention to the product quality along the entire production chain

**INTERNATIONALIZATION:**  
synergic partnerships with key industry partners

**FLEXIBILITY:**  
a lean and market-oriented company

**CUSTOMIZATION:**  
possibility of studying all kinds of customized products and finding suitable solutions to specific needs

## Focus on

### **PROFESSIONAL NON WOVEN MOP, TWISTED THREAD – COLORED BAND**

*This product is perfect for cleaning every type of floor and environment, it is practical and effective. Non woven fabric has a high absorbent capacity. In the twisted thread version it is more resistant to wear and washing. The mop can be of various weights and it is possible its customization, thanks to the customer private label that it is sewn onto the product. The central band is available in different colors: in this way the product is classified according to the specific use. This is essential in order to guarantee the reduction of environments bacterial contamination.*



Essecinque srl, via Biancon 10/12  
35010 Villa Del Conte (PD) Italy



[www.stindustry.it](http://www.stindustry.it)



[www.klinmak.com](http://www.klinmak.com)

## STI

### WELCOME TO THE NEW 'QV7 PRO'

**QV7 PRO** is the brand-new steam generator designed by STI, ideal for **professional** use. **QV7 PRO** is a "comby" model, as it's equipped with a "suction" function.

This technology, called **DryMaster**, allows the operator to vacuum and dry-up perfectly the surface treated with steam. The boiler has a capacity of 1.5 liters, which develops 7 bar of power thanks to a pair of heating elements of 2,400W in total.

The boiler is equipped with the exclusive **Non- Stop System**, which facilitates the continuous supply of water.

Thanks to our exclusive **DoseMaster** technology (from 1 to 8 levels), the electronic management of the "steam / detergent" mixture allows you to mix the ideal quantity of solution with steam, thus avoiding any waste.

QV7 PRO is equipped with the exclusive **VAP Filter System**, a technology patented by us that duplicates the cleanliness of the intake air. In fact, in addition to the normal water filter, the machine is equipped with a steam filter that eliminates micro-dust, pollen and mites.

## KLINMAK

### MINI 1249, SCRUBBER DRYER EVEN MORE COMPACT

Based on the three-year experience of the Trion range, Mini1240 is born: the walk behind scrubber dryer even more compact, manageable and easy to transport on vehicles such as cars and station wagons.

With a solution capacity of 12 liters and a 406mm (2x8 ") double brush head, the Mini 1240 has the widest working path on the market in its segment.

As is known, the use of the double brush, almost impossible to find in this type of models, guarantees a higher quality of cleaning than the single brush.

The use of the lithium battery makes Mini 1240 usable in an almost continuous cycle, as the charging time is less than 2 hours; therefore, the unproductive charging time, around 12 hours, typical of scrubber driers with Gel / AGM batteries, is avoided.

A big step forward for the cleaning task.

# TTS

## THE SPECIALIST OF CLEANING

**TTS Cleaning** is an Italian company, established in 1987 and has become in this period **a point of reference for professional cleaning**, acting as a strategic asset for its partners. Reliability, quality, speed and care for the environment are the key words that guide the company's choices.

TTS catalogue has over **4,200 items**, including innovative solutions that ensure maximum ergonomics while optimising consumption, with both economic and environmental benefits. In addition to a wide range, TTS also offers a series of high-value services: **surveys on sites** to detect specific needs, **personalised consultations** to find the most suitable solution and **specialised after-sales support**. Moreover, TTS experts are at your disposal to provide **sales force and operators training** on the use of TTS products and the correct procedures for cleaning and sanitising environments.

TTS exports to more than **80 countries** worldwide, ensuring **fast and timely shipments** thanks to the specialised staff and a complete stock always available in the 42,000 sqm warehouse in Italy and in the 4 foreign branches located in strategic markets such as Germany, Spain, Brazil and England, allowing the reduction of the environmental impact related to transport. Commitment to environmental protection has



enabled the company to achieve important goals over time. It is one of the first companies in the world to have obtained the certification of the **Carbon Footprint Systematic Approach** implemented, Magic is the first **carbon neutral trolley line** and many products have been awarded prestigious labels such as Plastic Second Life and the **EU Ecolabel**. In addition, at the end of 2021 EcoVadis awarded TTS the **silver medal for environmental and ethical work policies**, placing it within the top 21% of companies assessed by the international rating agency. The quality that distinguishes TTS equipment derives first from direct experience gained in the field and from the analysis of the needs related to the different areas of use, aware that a clean, well-groomed environment with high standards of hygiene promotes the health and well-being of people.

## Focus on

### Extraordinary becomes ordinary

*One handle corresponds to one tool: this is the first paradigm of cleaning. **Lampo** takes you to the next level: **a single handle per trolley to which you can attach and detach all the tools you may need in an instant.***

*No more trolleys overcrowded with handles: **Lampo rearranges the trolley**, creating space to carry all your cleaning equipment every day.*





[www.ttsystem.com](http://www.ttsystem.com)



[www.tork.it/torkcampaigns/peakserve](http://www.tork.it/torkcampaigns/peakserve)

## TTS

### POCKETY MAKES A CLEAN JOB FOR YOU

TTS has designed a **system with completely touch-free release of mops**: thanks to **Pockety**, disposing of them without coming into contact with dirt, viruses and bacteria is now a reality.

This innovative system provides improved safety and ergonomics for the operator, who **no longer has to touch the mop frame to release the used mops or bend over to pick them up from the floor**, reducing potential musculoskeletal pain due to poor posture and repetitive stressful movements.

Pockety **improves operational efficiency saving time and facilitates laundry management**: the net bag in the bucket collects the used mops, speeding up emptying and making it even more hygienic.

## TORK

### TORK PEAKSERVE, THE FAMILY EXPANDS

The Tork PeakServe Continuous family of towel dispensers, specially designed to ensure a smooth flow of visitors, is growing with two new models: Tork PeakServe Mini and Tork PeakServe Recessed, making it possible to meet the diverse requirements of a facility, simplifying maintenance and ensuring constant availability.

Compared to a standard dispenser, Tork PeakServe can hold up to 250% more towels, which are dispensed quickly and without interruption. The compressed reams can be easily loaded at any time, transported and stored without difficulty so that staff can spend more time cleaning than refilling. Finally, the towels are now also available in a new, more attractive version: Tork PeakServe Advanced Hand Towel Refill, which is softer, 20% more absorbent and pleasantly decorated with the Tork Leaf.

# KLINMAK

The continuous search for energy saving has allowed KlinMak to be able to use only Lithium batteries on its entire range, putting the heavy traditional lead-acid batteries into retirement. Advantages: only 2 hours charging time and high charge cycles (over 1,000), reduction in weight (~50%) and in the overall dimensions of the machines.

The guide was sustainability and the reduction as much as possible of materials such as plastics, metals, pipes, cables, packaging, etc.

The use of the two brushes driven by a single motor (KlinMak patent) has made the difference compared to the now obsolete and inefficient single disc machines. Better cleaning results, reduced dimensions, as well as operating costs. To these two primary characteristics we have added 4 incomparable "accessories": the possibility of adjusting the % of detergent, the antibacterial plastics, metal parts in stainless steel and the possibility of discharging the contaminated air from the turbine through a Hepa H13 filter.

The Trion range was born according to 2 concepts: simplicity and modularity.

<b>TRION</b> Is a modular scrubberdryer.		
<b>3 Units</b>		TRION 1240   TRION 1240   TRION 2040
<b>3 Power Supply</b>	Cable   Small Li-Ion Battery 11,6 Ah   Big Li-Ion Battery 20,3 Ah	
<b>3 Equipments</b>	Basic   H (Detergent dosing system- Hepa Filter H13)   X (H + Stainless steel frame - Antibacterial Tanks)	
<b>3 Years Warranty</b>		
27 different models, same parts, easy to sell and to service!		

We have made 27 different models with the same components and therefore easy life for customers: machines simple to understand and to service.

The rule of 3 has accompanied us: 3 Base Models (40-50-70cm), 3 Power Supplies (cable and two types of lithium battery), 3 Equipments, and finally 3 Years Warranty.

In Amsterdam (10-13 May) we are waiting for you (Hall 2-114) to present the last masterpiece: Mini 1240 (12 liters - 40 cm).

## Focus on

### Trion X 2040 Cleanroom

KlinMak is proud to introduce the walk behind scrubber dryer TrionX2040 (20L-40cm) equipped with a HEPA filter H13, is able to reduce the level of contamination in the air generated during the cleaning task in a Cleanroom.

The test, carried out in a Cleanroom Class ISO7 (Particle reference value  $0.5\mu = 352000/m^3$ ) with Counter Beckman Coulter, shows after the cleaning task a value  $0,5\mu = 14.600,7/m^3$ !



**KlinMak®**  
keep clean



[//iscsrnl.com/](http://iscsrnl.com/)

## ISC

### WHIZ, THE COBOTIC VACUUM SWEEPER

*Whiz is the cobotic vacuum sweeper that works. It's all in the name; cobotics is the collaboration between humans and robots, leveraging the strengths of both. This means working together and using smart technology to build cleaner, more hygienic environments and better working experiences for all.*

*Six reasons to love Whiz:*

- *Whiz cleans 98% of the available floor space compared to 52% by a manual vacuum cleaner*
- *Manual vacuum cleaners will waste time re-vacuuming 46% of the available floorspace when they don't need to, Whiz will not!*
- *Whiz vacuums the same size space as a manual vacuum cleaner in almost half the amount of time*
- *Working alongside cleaner, Whiz can vacuum clean 100% of the available space more efficiently and consistently 100% of the time.*
- *Whiz frees up 2hrs 22 mins of manual cleaners time per 500m<sup>2</sup>*
- *Whiz is available through our distributors offering flexible commercial options, fast servicing and support, so you know Whiz always performs at its best.*



[www.ormatorino.com](http://www.ormatorino.com)

## ORMA

### CYPERFUME, A SMOKE GENERATOR

*Cyperfum is the latest product by ORMA: it is a smoke generator insecticide water activated to fight both flying and crawling insects. The product has been developed to satisfy the latest demands of the markets for a **quick, effective and safe solution**.*

**Quick:** *a single solution to fight both crawling and flying insects.*

**Effective:** *once activated, the smoke generator saturates the whole space, killing both crawling and flying insects. Smoke reaches also hidden spaces like crack and crevices leaving any untreated space. To increase the result of the treatment, a small sachet of water, with the right amount, has been included into the packaging, making Cyperfum very friendly-user.*

**Safe:** *the absence of any flames makes its use safe for indoors (e.g. hotel rooms), avoiding burning smells and allowing the reuse of treated spaces after a short time.*

# ARCO

AR-CO Chimica was born on 1st June 1993 in Carpi, in the province in Modena. Its founders were Luca Cocconi and Alessandra Ardizgoni. In its start-up phase the firm counted four employees that, cleverly driven, produced Eis, a multipurpose glass cleaner, on the market since 1994.

Since then, the productive and business rise, that brought AR-CO Chimica to play a role of protagonist on the stage of specialized hygiene, was constant.

In a few years the firm based in Medolla, in the province in Modena, acquired great prestige thanks to the creation of a complete range of detergents for industries, hospitals, hotels, public places and schools. Nowadays the staff formed by the employees and partners of this dynamic firm is countersigned for creativeness and enthusiasm. AR-CO occupies an overall surface of more than 15.000 mqs (7.500 of which covered), that includes a new wing in which it is based the first TAILOR Point in Italy. The productive lines allow to manufacture 4,5 million kilos of detergent per year, at the rhythm of 20.000 kg / day.

Green Cleaning it's a mission: the company is, and has been for a long time, one of the most to the state-of-the-art companies in Italy in professional cleaning, thanks to a technological evolution focused on environmental sustainability. AR-CO



Chimica was the first manufacturer in Italy to produce and put on the market a complete range of Ecolabel products for professional cleaning. The company has recently reached some important targets, such as the ISO 17025 certification for the products for Green Public Procurement and the compliance of its entire product range to the CLP European Regulation (dealing with the classification, labeling and packaging of all chemical substances and their mixtures).

## Focus on

*Aladin GT5 is an automatic detergent dispenser of super concentrated product to obtain the ready to use solution. Is the only system that allows to obtain a certain cost of detergents, because the dilutions of the products are managed by a software previously programmed according to the costumer's needs. Ideal solution for hospitals, offices, gyms, schools and universities and commercial activities in general. The goal is to bring costumer attention to super concentrated product because is possible to benefit the reduction of warehouse, logistic costs, and by totally reducing packaging.*



# STI

STI has long been one of the leading manufacturers of steam cleaning machines, in the two lines for domestic and professional/industrial use. STI's products are entirely designed and manufactured in the over 3,000 square metre factory in Fara Vicentino. Our steam system is a safe and fast way to clean and sanitise any type of surface. Our steam cleaners are the example of green cleaning, as they do not require the use of chemical solutions and detergents and minimise the use of water. Steam removes dirt, bacteria, viruses, mould and other contaminants from a variety of surfaces in seconds. The steam solution is also ideal for allergy sufferers.

The domestic line consists of the QV4, QV6 and QV7 models. Their uses are multiple as they can be used to clean and sanitise every room and surface in the house. The range of professional machines is in fact divided into two lines: COMBY (steam with vacuum machines) and GAISER (steam only machines). The areas of use are varied: from



the food industry to the mechanical industry, from healthcare (hospitals, doctors' surgeries, dentists' surgeries and veterinary surgeons' surgeries) to catering, from hotels to cleaning in public transport. Come and discover the full range of machines and accessories at InterClean! We look forward to seeing you at stand 05.204.

## Focus on

### New Accessory: Cleaning System Conveyor Belt

Our new "**CBCS**" (Conveyor Belt Cleaning System) cleans and sanitizes conveyor belts with the superior cleaning power of steam, coupled with the versatility and efficiency of a STI steam generator. This accessory maximizes production efficiency while minimizing cleaning costs, and it's specifically designed to sanitize conveyor belts while they are running.



#### *The benefits?*

- Zero production downtime, no pausing, zero time wasted.
- The system is the most ecological alternative to harsh chemicals, as it only needs a bit of tap water to degrease, disinfect, sanitize, as well as remove dirt and bacteria in no time.

# CLEANING INNOVATION FOR EVERYONE



Co-located with Healthcare Cleaning Forum,  
a global initiative for changing the view on  
hospital environmental hygiene.

**Healthcare** BY INTERCLEAN  
**Cleaning Forum**



## **International**

Connect with industry professionals  
from all over the world

## **Innovative**

Evidence based innovations, applicable technology  
and knowledge to optimise efficiency

## **Inclusive**

Open for everyone and easy access to  
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Interclean is a trade show created by and for  
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[intercleanshow.com](https://www.intercleanshow.com)

# FORUM ISSA PULIRE

[forum.issapulire.com](http://forum.issapulire.com)

**18-19**  
October  
**2022**

#### The themes:

- The value of Memory and the building of a civil conscience.
- Designing for occupational health and safety.
- Integrated services management under the "new normal".

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# TORK

## TORK, BRAND OF ESSITY

Tork is the leading global Essity's brand in workplace hygiene. From paper towels in hospital washrooms to napkin dispensers in restaurant dining rooms, Tork delivers a great experience for the user and a convenient experience for the buyer. Whenever you need to wipe, dry, clean or polish, we take care of it. Our range of dispensers, refills and services is designed to meet the specific needs of washrooms, industrial environments, kitchens, and dining areas. So you can get on with what really matters in your business.

And as part of Essity, we're dedicated to serving your needs in a sustainable way - saving you time, money, and effort, so you can focus on what matters most to your business. Essity is a leading global hygiene and health company that develops, produces and sells Personal Care (Baby Care, Feminine Care, Incontinence Products and Medical Solutions), Consumer Tissue and Professional Hygiene products and solutions. Our vision is dedicated to improving well-being through leading hygiene and health solutions.



*The Essity production plant in Altopascio*

Sales are conducted in approximately 150 countries under many strong brands, including the leading global brands TENA and Tork, and other brands, such as Leukoplast, Libero, Libresse, Lotus, Nosotras, Saba, Tempo, Vinda and Zewa. Essity has about 46,000 employees. Net sales in 2019 amounted to approximately SEK 129bn (EUR 1227bn). The company's headquarters is located in Stockholm, Sweden, and Essity is listed on Nasdaq Stockholm. Essity breaks barriers to well-being and contributes to a healthy, sustainable and circular society.

## Focus on

### Tork Vision Cleaning

*Tork Vision Cleaning, the data-driven cleaning revolution, harnesses the power of real-time data to identify when and where there are service needs in your facility. Our system combines sensor technology, software tools and services to transform cleaning operations into a fact-based science for more informed decisions, increased user satisfaction and budget savings.*



# ORMA

ORMA is an Italian company that has been operating in **air fresheners and pest control** fields since 35 years.

ORMA was born in 1983 with 2 products, the Air Control aerosol insecticide and the automatic dispenser with the same name. From that moment ORMA has always extended its offer, introducing more items and equipment in line with the newest markets demands without forgetting its cornerstones values: customers care and high-quality products.

The catalogue can be divided in two sections: pest control products and air fresheners.

In the pest control range we should mention the wide offer of concentrated, ready-to-use and aerosols insecticides without forgetting HACCP UV fly traps or bait stations and rodenticide production both for professionals and not professionals.

Regarding air control products, ORMA has a large selection of air fresheners of the lines Air Control and Air Control Plus with 15 different fragrances always available in stock.



ORMA has stood out for its excellent customer service: fast delivery, product customization and a prompt and fast assistance on technical or commercial problems have made ORMA a reliable partner to do business with.

Today ORMA is active in more than 45 countries all over the world and we are eager to reach more and more customers, aiming always to offer the best experience.

## Focus on

*Air Control S is for sure ORMA most appreciated solution, providing a safe and effective way to solve flying insect infestation in any indoor environment, like cafes, hotels and restaurants.*

*It is an aerosol insecticide based on a high content of Natural Pyrethrum to be used with automatic dispensers. The product shows immediate repellent and killing effect creating a barrier against flies and mosquitoes. 250 ml guarantees to cover 45 sqm up to 1 month.*



Ideiamo e sviluppiamo progetti web di qualità\*  
per aumentare la visibilità aziendale  
(con risultati monitorati)



4PUNTOZERO Srl

**Cleaning**  
COMMUNITY

[www.cleaningcommunity.net](http://www.cleaningcommunity.net)

**I LOVE PARQUET**

[www.iloveparquet.com](http://www.iloveparquet.com)

**PestControl**

[www.pest-news.com](http://www.pest-news.com)

\*siti internet, magazine digitali, social network, newsletter, email marketing

# A STROLL THROUGH AMSTERDAM



*Amsterdam is the Netherlands' capital, known for its artistic heritage, elaborate canal system and narrow houses with gabled facades, legacies of the city's 17th-century Golden Age. The flag of Amsterdam is based on the city's coat of arms. It features a red shield with a black band and three silver St. Andrew's crosses, with the motto of Amsterdam underneath (Heldhaftig, Vastberaden, Barmhartig, meaning "Valiant, Steadfast, Compassionate").*

*Who does not know Amsterdam - which since 2010 is a World Heritage List - raise his hand (and there are guides in quantities ready to satisfy every need for information).*

*For this reason, in these few pages, you will find only some useful info and some curiosities, from the website <https://www.iamsterdam.com/en>. Everyone will discover by himself, through canals, alleys, flowers, museums and attractions 'his Amsterdam'.*

## I AMSTERDAM CITY CARD

### I amsterdam. city card



The 'I amsterdam City Card' offers you a unique way to explore Amsterdam. You get access to all major highlights and more than 70 museums, city-wide public transport, a canal cruise and bicycle rent. Major benefits are that you can save money and get exclusive discounts at restaurants, attractions and concerts. The 'I amsterdam City Card' is the smartest and most affordable way to explore

Amsterdam. Just choose from a 24, 48, 72, 96 or 120 hours - the card and visit as many attractions as you like within that time - frame. Order your card online and pick up on arrival in Amsterdam.

After completing the online booking process, you will receive a confirmation email. Print this out and present it at one of the pick-up locations to receive the I amsterdam City Card (you are required to pick up your card in person).

You can collect your pre-purchased card at the following locations: Amsterdam Central Station and Amsterdam Airport Schiphol. With the City Card you get free entry to the best museums and



attractions, unlimited use of GVB public transport in Amsterdam, great discounts, free giveaways and special offers.

The card is valid until the end of the year. Once activated, each element remains valid for 24, 48, 72 or 96 hours, depending on your card.

## MUSEUMS



### RIJKSMUSEUM

Since it first opened its monumental doors over 200 years ago, the museum, located on Museumplein (Museum Square) has been

one of the country's centre points to learn and enjoy Dutch art and history from the Middle Ages and beyond. But it's not just Dutch collections on show: the Rijksmuseum also boasts an impressive collection of other European and Asian art.  
<https://www.rijksmuseum.nl/en>

### VAN GOGH MUSEUM

The Van Gogh Museum in Amsterdam is one of the most popular museums in the world, attracting visitors from every corner of the globe. Naturally, this is in large part due to it housing the largest collection of works by Vincent van Gogh – more than 200 paintings, 500 drawings and 700 of his

letters. Having originally opened on Museumplein in 1973, the Van Gogh Museum has been expanded and modernised over the years, ensuring it's a truly cutting-edge exhibition and visitor space  
<https://www.vangoghmuseum.nl/en>

### STEDELIJK MUSEUM - MUSEUM OF MODERN ART

Situated on Museumplein, where it first opened in 1895, Amsterdam's Stedelijk Museum is the largest Dutch museum dedicated to modern and contemporary art and design. The collection contains extraordinary pieces of art by world-renowned artists, including a great number of works by major twentieth-

century Dutch artists  
[www.stedelijk.nl/en](http://www.stedelijk.nl/en)

### COBRA MUSEUM OF MODERN ART

The museum in Amstelveen is home to a collection of key works by artists from the avant-garde Cobra art movement. The museum presents interesting exhibitions from this unique collection, as well as temporary exhibitions of modern and contemporary art. Location: Sandbergplein 1 – 1181 ZX AMSTELVEEN  
<https://cobra-museum.nl/en>

### ANNE FRANK HOUSE

Jewish Anne Frank hid in 1942 from the Nazis during the occupation of the Netherlands. Two years later she was discovered. In



1945 she died in the Bergen-Belsen concentration camp. The entrance to the Secret Annex was hidden behind a revolving cabinet specially made for this purpose. The office staff helped the people in hiding with food and brought 'news from outside'. On August 4, 1944, the hiding place was betrayed and the people in hiding were deported to various concentration camps. Only Otto Frank survived the war. Westermarkt 20 1016 DK Amsterdam  
<https://www.annefrank.org/en/>

## UNUSUAL MUSEUMS



Amsterdam has all sorts of unusual collections dedicated to cats, fluorescent art, ruined beach and microbes ... to name but a few. But there are so many to discover! Here are some of them

### MICROPIA

They're as everyday as anything can be, they're on and in you and you can't see them. We're talking microbes and Amsterdam has an entire interactive museum devoted to these

fascinating lifeforms. Step into Micropia to learn all about the hundred thousand billion of them sharing your body through engaging exhibitions and educational activities.

Artisplein, Plantage Kerklaan 38-40  
 Micropia  
[www.micropia.nl/en/](http://www.micropia.nl/en/)

### MUSEUM PERRON OOST

With a surface area of just 6 m2, Museum Perron Oost in the Eastern Docklands is perhaps the smallest museum in the world. In 1993, artist and designer Joep van Lieshout transformed the former cattle market area and railway tracks into a miniature park. Since 2013, the museum in the former

supervisor's house has told the stories of local residents in the form of theatre, film, dance, music and visual art. The building is so small you can even see the exhibition through the windows.  
 Museum Perron Oost | Cruquiusweg 11

### CAT CABINET

You might have heard about people being "barking mad", well you certainly won't find them at the Cat Cabinet (Kattenkabinet). This feline monument was founded in memory of a frisky tomcat, John Pierpont Morgan, who was the long-time companion of the museum's founder. The collection is dedicated entirely to the role of cats in art and culture throughout history. Even if

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ONE-SHOT



DISINFECTANT ACTION  
QUICK AND TESTED EFFICACY





you're not cat crazy, then a stroll through the impressive rooms of this beautiful canal house - also used in the film *Ocean's Twelve* - is an unexpected treat.  
**Kattenkabinet //**  
Herengracht 497  
<https://www.kattenkabinet.nl/>

### **NXT MUSEUM**

The recently opened Nxt Museum is the first exhibition space in the Netherlands dedicated entirely to New Media Art. If you're not sure exactly what that means, think immersive audio-visual projections in a colossal industrial space. The museum showcases experiential pieces that trigger thrilling emotions, abstract stories and

incredible sensory reactions, collaborating with creatives and visual artists from around the world working at the cutting edge of art and technology.  
**Asterweg 22**  
<https://nxtmuseum.com/>

### **EMBASSY OF THE FREE MIND**

The Embassy of the Free Mind is a museum library, where the European culture of free thinking imparts its knowledge to all those who walk through its doors. Housed in the grand 17th-century canal house of the 'House with the Heads' on the Keizersgracht, this is the place to learn about history, science, art and spirituality and how they're all connected. It's also a

platform for freethinkers to talk about life irrespective of religion, culture or age.  
**Embassy of the Free Mind //**  
Keizersgracht 123  
[embassyofthefreemind.com/en/](http://embassyofthefreemind.com/en/)

### **THE MOUSE MANSION**

This one's hard to classify; it's a shop, a museum and a studio that all have The Mouse Mansion series of books in common. In fact, it's here where this family affair creates all the sets for the books featuring squeaky characters Sam and Julia. Their crafty handiwork and magical environments will delight those who love all things small and wonderful, especially furry mice.  
<https://www.themousemansion.com/>

**The Mouse Mansion //**  
Eerste Tuindwarsstraat 1

### **AMSTERDAM TULIP MUSEUM**

Located in the Jordaan, the Amsterdam Tulip Museum pays tribute to the delicate flower that ignited great passion and envy over the centuries. The museum details the Netherlands' fascinating horticultural history, including a phenomenon known as "Tulipomania". During the 17th century, a craze for tulip bulbs took hold of the country and people even sold their houses to invest in bulbs at special stock exchanges. Although they're a little more sensible these days, the Dutch still love their tulips!



### AN OASIS IN THE CENTRE OF THE CITY



#### HORTUS BOTANICUS AMSTERDAM (BOTANICAL GARDEN)

For nearly four centuries, Amsterdam's Hortus Botanicus has regaled visitors with its lush greenhouses and exotic plants. Originally founded in 1638 to serve as a herb garden for the city's doctors and pharmacists, it's one of the oldest botanical gardens in the world. The Hortus Botanicus offers a tranquil haven from

the hustle and bustle of the city surrounding it and contains over 6,000 different indigenous and non-native trees and plants. In addition to a gorgeous cafe, outdoor gardens, and a 'hothouse' that emulates three different tropical environments, hundreds of majestic butterflies can be found frolicking inside the Botanicus' Butterfly Greenhouse. Some of the more unique plants on display include Victoria, the garden's giant water lily. When in bloom, the 154-year-old lily opens its flower every night around dusk. Also keep an eye out for the Botanicus' centuries-old agave cactus that dates back to the Roman era. Plantage

Middenlaan 2A 1018 DD  
AMSTERDAM  
<https://www.dehortus.nl/en/>

### FOOD AND FLOWER MARKETS



#### ALBERT CUYPMARKT

Albert Cuypmarkt is the largest and most popular outdoor market in the Netherlands, with 260 stands selling everything from typical Dutch treats such as raw herring or freshly made stroopwafels. Situated in the heart of De Pijp, the surrounding cafes and terraces make Albert Cuyp a lively spot for a day

of shopping and people-watching. When: Monday-Saturday  
Albert Cuypstraat, 1073 BD  
Amsterdam

#### DAPPERMARKT

An institution in Amsterdam Oost, Dappermarkt boasts 200 stalls selling appliances and clothing, plants and fresh produce, including meat and fish. Traders from the Middle East, North Africa and Suriname offer specialty foods. Be sure to discover something new here and head to Oosterpark for a tasty picnic. When: Monday-Saturday  
Eerste Van Swindenstraat 383, 1093 GA Amsterdam

#### TEN KATEMARKT

Ten Katemarkt is a



deceptively small street market selling fruits and vegetables, freshly baked bread and more. Lined with cafes and interiors stores, and adjacent to Foodhallen and trendy culture centre De Hallen, you're sure to find something homegrown and delicious here. When: daily Ten Katemarkt 53 1053 CC AMSTERDAM

## BLOEMENMARKT

A permanent fixture in downtown Amsterdam, this floating flower market is not to be missed. Situated on a stretch of the Singel canal, Bloemenmarkt's glass houses are filled with vibrant colours and the smell of fresh flowers. When: daily Singel, 1012 DH Amsterdam

## VINTAGE AND FLEA MARKETS



## WATERLOOPLEIN

Amsterdam's largest daily flea market on Waterlooplein is the place to pick up a bargain among pre-loved and vintage clothing, bikes, antiques and general knick-knacks. It's right beside Amsterdam City Hall and surrounded by attractions such as the Rembrandt House Museum, Dutch National Opera & Ballet and the River Amstel. Waterlooplein 2, 1011 NZ Amsterdam

## EAT AND DRINK



## DUTCH FOOD RESTAURANTS

Restaurant Moeders Mom's home cooking is always best, but Amsterdam tourists don't always have the opportunity to share a meal at home with the locals. The next best thing is Moeders, a restaurant in the city centre that serves only the most traditional Dutch dishes. All the favourites are on the menu at this cosy restaurant, which has all the touches of home. Fill your belly with stampot

(mashed potatoes mixed with vegetables, served with meat and gravy) or sunderdees (a slowly braised beef stew). For dessert, treat yourself to poffertjes or a slice of homemade pie. If you're feeling a bit homesick, bring a photo of your own dear Ma to hang on the restaurant's wall - mothers are celebrated at Moeders! Moeders | Rozengracht 251, Centrum

## RIJKS

Where better to sample Dutch cuisine than right next to the hub of history and culture in Amsterdam? Rijks, the restaurant of the Rijksmuseum, offers a locally-sourced menu that complements a lengthy



stroll through the rooms of the museum. Its kitchen upholds the principles of Slow Food, an organisation that promotes regional cuisine, and the Ark of Taste, which encourages the use of local ingredients. Platters highlighting regional fish or meat - gurnard or pigeon, for example - are available, as are artisanal cheeses. Afterwards, head to one of Rijks' four espresso bars for a coffee with a dash of the Dutch liqueur advocaat. RIJKS | Museumstraat 1, Oud-Zuid

#### DE SILVEREN SPIEGEL

De Silveren Spiegel (The Silver Mirror) offers traditional Dutch food in the stunning surroundings of a historic building. The

building and restaurant's history stretches back to the 17th century, and De Silveren Spiegel's elegant rooms, which have been left in their original state where possible, are certainly befitting its fairytale-like name. But the restaurant does not rest on its historical laurels: the food is up to the high standards set by the interior. And in the summer, there is a sunny terrace to boot.

De Silveren Spiegel | Kattengat 4-6, Centrum

Everyone agrees that you have to go to Winkel 43 for the best apple pie in Amsterdam, with hundreds of slices served up every day from the charming little cafe in De Jordaan. Keep in mind

that it is always busy here (you'll understand why), but with any luck you will find a place inside or on the spacious terrace overlooking the bustling Noordermarkt. Winkel 43 | Noordermarkt 43, De Jordaan

#### FRIES IN AMSTERDAM



#### GRIZZL

Grizzl serves fries the way they are meant to be: fresh, in the skin and right off the land. Together with their sustainable suppliers Grizzl ensures everything is responsibly and respectfully

made and processed. As Grizzl calls it, eating with common sense and pleasure! This hotspot in Zuid is a feast on the lips, with delicious fries that are fresh and homemade. Claude Debussylaan 33 1082 MC Amsterdam <https://www.grizzl.nl/>

#### FRIETBOUTIQUE

Head to the Frietboutique in Amsterdam's Oud-Zuid neighbourhood for delicious freshly prepared fries (with the skin on, for extra vitamins!). Owners Sammy and Pebbles source their potatoes from local suppliers and even deliver their tasty taters to a long list of top Amsterdam restaurants, including Ron Gastrobar and the Hilton



Doubletree.  
Johannes Verhulststraat 107  
(Amsterdam-Zuid)  
<https://www.frietboutique.nl/>

### FABEL FRIET

Fabel Friet is the hot newcomer to the fries scene in Amsterdam. Swing by to try some perfect fries with cheddar and parmesan toppings and don't miss their amazing homemade mayos created with local produce straight from the Albert Cuypmarkt.

### BARS AND CAFÉS



### CAFÉ KUIJPER

Café Kuijper is a neighbourhood standard that locals can't get enough of. It's both a pleasant place for lunch in the afternoon and drinks in the evening. If you're searching for something to do on an otherwise subdued Tuesday evening, head over to Kuijper to join in with their lively pub quiz – if you win, they'll pick up your tab. This quaint old brown café in dates back more than 100 years. Sit down to a wonderfully simple lunch or dinner, beers

and nibbles, or tea and cake, with a stunning view over the Nieuwendammerhaven. The terrace is situated so that the sun hits it at every hour of the day, making it the perfect scenic pitstop during a cycling trip through Amsterdam Noord. Linnaeusstraat 79, 1093 EK Amsterdam

### CAFÉ 'T SMALLE

Café 't Smalle meaning 'narrow' is a lovely old pub with wood panelling, a mezzanine bar and wooden barrels over the bar. The famous Pieter Hoppe opened his liqueur distillery here in around 1780 and the premises has been serving jenever and beers here ever since. There is also a particularly beautiful

waterside terrace that's always packed when the weather is good. Café 't Smalle | Egelantiersgracht 12

### CAFÉ HOPPE

This Amsterdam institution, which started as a distillery, has been pouring our jenever for 348 years. Still popular, it features a standing-room-only space with sawdust floors and a sit-down area with dark wood panelling and a spacious terrace. Keep an eye on the agenda for the annual Herring Party in June, when the Dutch traditionally celebrate the first catch of the season or pop by on King's Night as crowds of revellers spill out into the streets. Café Hoppe | Spui 18-20



## STREET FOOD



### VISHANDEL MOP

At the Volendammer vishandel MOP you eat delicious, fatty and creamy fish, of course fresh from the knife and always of top quality. There is a lot to consider to create the perfect Hollandse Nieuwe, but with almost 100 years of experience you have come to the right place. While you're here: order a portion of kibbeling. Jan Evertsenstraat 116

### HARINGHANDEL FRENS

This family business has

been a local favourite for more than 30 years. Standing on the square between the Singel and the Bloemenmarkt, you can always go here for a tasty herring and a friendly chat. Singel 486

### VISHANDEL 'T CENTRUM

This small but lovely fishmonger's shop has been hidden in the Jordaan in Amsterdam for more than 50 years. Yes, the shop fills up quickly, but it's definitely worth the wait. Get a herring cleaned in front of you and eat it at the bar or stroll alongside Amsterdam's grand canals and cobbled streets. Haarlemmerdijk 4

### VISHANDEL ALBERT CUYP

First-time visitors of Amsterdam can often be seen walking past this stall with their nose closed. Too bad, as the fish of Vishandel Albert Cuyp is one of the freshest and most delicious in Amsterdam. This stall has been on the famous market for more than 65 years and for a good reason. So order your herring and walk around in the beautiful De Pijp neighbourhood. Albert Cuypstraat 155

### STUBBE'S HARING

Almost every Amsterdammer knows this fish stall on the Singel because many locals come here to get a herring after work. The herring is served on a sheet of wax, which is different from those

rectangular snack plates. The tastiest way to eat is directly in front of the cart! Singel, 1013 GA Amsterdam





### 10 ICONIC ARTWORKS TO SEE IN AND AROUND AMSTERDAM

There is more than one reason that *The Night Watch* get its own room in the **Rijksmuseum**: not only is the painting gigantic (3.63 by 4.37 metres, or nearly 12 by 14 feet), it's gigantically famous. At any given moment is the Night Watch Gallery, which was designed solely to showcase the painting, packed with dozens of eager viewers. Join the throng to admire all the details the iconic painting - and the room itself.

Not many works of art are so captivating that they get a book and a movie made about them - but *Girl With a Pearl Earring* is one of them. Created in the mid-17th century by Johannes Vermeer, this work of art - called a *tronie*, an old Dutch word for "face" - features the alluring gaze of a young girl in a headscarf and Eastern dress. The **Mauritshuis Museum** has had the painting for over 100 years, and it's unlikely to part with it - so don't miss out on seeing this masterpiece in person!

**Vincent van Gogh** is arguably the most famous of Dutch artists, and his series of sunflowers are among his most celebrated. In the **Van Gogh Museum**, you get the chance to see one of the five in the series - the rest

of these golden masterpieces are scattered across the globe.

The red, blue and yellow squares separated by thick black lines has become an iconic, easily recognisable work of art - it's all **Mondrian**. There are dozens of iterations on the theme, but this classic representation is one of the best. Visit this icon at the **Stedelijk Museum** in Amsterdam, which proudly displays modern and contemporary art. Alternatively, take a short trip to **The Hague** to see Mondrian's iconic *Victory Boogie Woogie*.

#### STEDELIIK MUSEUM, AMSTERDAM

Like Warhol, American artist Roy Lichtenstein brought pop art into fine art prominence. His piece *As I Opened Fire* is a great example of his unique style: derived from a comic book, this work features three panels, called a triptych, alongside exaggerated lettering, the use of primary colours and the narrative from the comic itself, albeit slightly altered.

#### STEDELIIK MUSEUM, AMSTERDAM

Rembrandt honed his craft by painting self-portraits - a fascinating opportunity for viewers to see artists through their own eyes. Some of Rembrandt's most famous self-portraits feature cartoonish expressions or, in this case, a deep fascination with chiaroscuro, in which the artist plays with light and shadows.



### INFORMATION ABOUT COVID-19

Amsterdam's public venues are currently open, with normal opening hours. A Covid entry pass is not mandatory to access public indoor spaces. Keeping 1.5 metre distance is not required, but recommended. Always check the website of the venue or event for the latest news before your visit. For updated information about the coronavirus measures at museums, cinemas, restaurants, bars and other attractions, check [government.nl](https://government.nl).

#### Health resources

If you have coronavirus symptoms:

- Remain inside. Do not leave your home or hotel room.
- Arrange to be tested for coronavirus. Call 0800-1202 to schedule an appointment.
- If you test positive for coronavirus, you and any travelling companions must self-isolate in your holiday accommodation for two weeks.

Comprehensive information is available on the National Institute for Public Health and the Environment (RIVM) website, including a guide to symptoms, when to visit a GP, Q&As, travel advice and updates from the World Health Organisation. A national information hotline has also been created to answer questions, which you can reach on 0800 1351 (an English message follows the Dutch one). For more information, you can stop by the I Amsterdam Visitor Centre at Amsterdam Central Station.



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