

SAVORTEX®



smart hand-hygiene

SMART HYGIENE SOLUTIONS

Creating the safest,
smartest and most energy-
saving workspaces

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33% of people are concerned if their co-workers are sanitising or not [1]. With 1 in 5 people not cleansing hands properly[2], and without any individual usage data, there is no way of knowing who is sanitising and who is not. This endangers everyone in the building.

The World Health Organization has identified up to 10 diseases that have to potential to develop into the next pandemic. Most have no vaccine available.

So how can you stop the spread of infection in the workplace and protect your business against service disruption and financial loss?



THE PROBLEM

The risk to the global workforce from harmful infections is severe. The World Health Organization has identified up to 10 viruses with the potential to develop into a global pandemic such as Covid-19. Therefore, it is vital for businesses to reimagine their infection control and hygiene strategy and implement health and safety measures, to provide safe access to the workplace and give staff peace of mind that it is safe to do so.

Building managers are asking workers returning to the office to adopt new hygiene standards. There is currently no way of tracking if those standards are being met, to prevent the spread of potentially harmful bacteria and viruses and meet the Health and Safety Work Act 1974 which is to encourage, regulate and enforce workplace health & safety and welfare.

HOW DO YOU KNOW WHO HAS SANITISED?

80% of infections spread through hand contact[3]. In fact, it just takes ONE person to enter an area or building with some kind of bacteria or virus on their hands to infect 60% of the workplace in just 2 hours [4], which means good hand hygiene is one of the most important methods of infection control.

Not knowing who is or isn't sanitising means building managers cannot assess or mitigate this risk in the workplace.



One of the most contaminated surfaces in the workplace are communal hand sanitisers, as everyone is touching the same surface creating a high risk of cross-contamination.

Not to mention the inability to equally dispense the correct amount of gel required to kill viruses as set by the European Standard.

THE FINANCIAL IMPLICATION

As WHO has stated, there are up to 10 other diseases with the potential to develop into the next pandemic. This is due to our effect on the climate, encroachment on wildlife habitats and global travel, helping to circulate animal-borne diseases. Combined with urbanisation, overpopulation and global trade - the next pandemic is on the horizon.

- The cost of the pandemic to businesses is staggering. Prior to the pandemic illnesses were already costing businesses \$225.8bn annually due to absence and loss of productivity [5].
- The financial implications of service disruption due to the pandemic is potentially \$480bn in lost in commercial activity due to covid-19 [6].

The solution is a Smart Hand-Hygiene Management System

"Health and safety is paramount with the ongoing global pandemic, so Arm, partnering with SAVORTEX has been a great opportunity to transform the hygiene industry. "

Vincent Korstanje, VP and GM, Connectivity at Arm®
Pelion

INTRODUCING

THE SAVORTEX® SMART (IOT CONNECTED) HAND SANITISER

The first intelligent and reliable hand sanitiser dispenser to use smart data to prevent the spread of infection.

The system uses RFID technology to discreetly inform managers of a hygiene risk should users fail to sanitise and instantly informs users if they forget. If required, it can also link to building systems and deny access.



Real-time infection control management:

Provides vital health and safety data to keep infection rates low and ensure staff safety.



Touch-free application:

Eliminates cross-contamination from manual dispensers and automatically dispenses exactly the right amount of sanitiser gel required to kill the virus according to EN Standards. This gives co-workers peace of mind that colleagues are on top of their hand-hygiene.



Intelligent dispensing:

The large internal dispenser and automatic refill alerts reduce service disruption and improve operational efficiency.



Compelling messaging:

The full-motion sanitiser features a 5.7in screen that delivers engaging messaging to raise awareness, promote better hand hygiene & wellbeing.

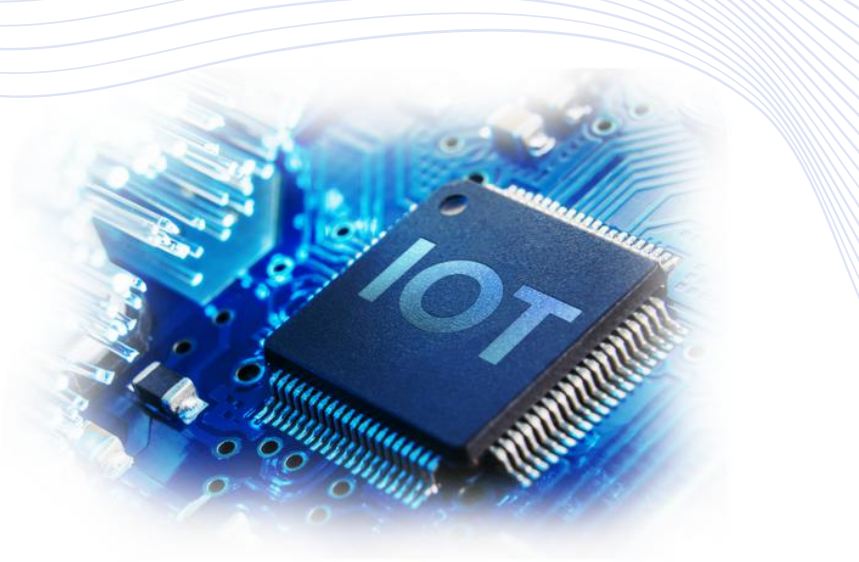


3 Year
Warranty



SLIMLINE DESIGN

THE SMART SANITISER TECHNOLOGY



THE POWER OF INTELLIGENT DATA SCIENCE

In partnership with ARM® Pelion, Savortex has developed a unique, Internet-connected (IoT), GDPR compliant hand sanitiser that uses RFID technology to track use in real-time.

The system encourages use and prevents the spread of potentially harmful diseases and viruses, creating safer, smarter, more hygienic and sustainable environments.

THE HAND HYGIENE MANAGEMENT SYSTEM

- Can determine in real-time, via RFID tags on employees' security passes, whether employees are sanitising as required or not.
- Can generate a discrete email or In-app notification which can be sent to the employee to go and sanitise, or to the building manager of a hygiene risk using GDPR compliant data.
- Can be linked to a building access system to allow access only to those who have sanitised, if required.
- Provides footfall usage data.
- Provides facilities management operator information regarding required refilling and alert if no liquid is dispensed in response to the unit being triggered.
- Can deliver short messaging to encourage optimum hand hygiene practice or other organisation policies and additionally can show adverts on screen while in use to provide a revenue stream.
- Internet connection can be delivered by onsite Wi-Fi connectivity or 4G/5G connectivity.

SAVORTEX® SMART SANITISER DATA PORTAL

The hygiene data reported by the SAVORTEX® Smart Hand Sanitiser can be used to create individual and organisational hand sanitisation scoring criteria. This encourages use to stop the spread of harmful bacteria and viruses.

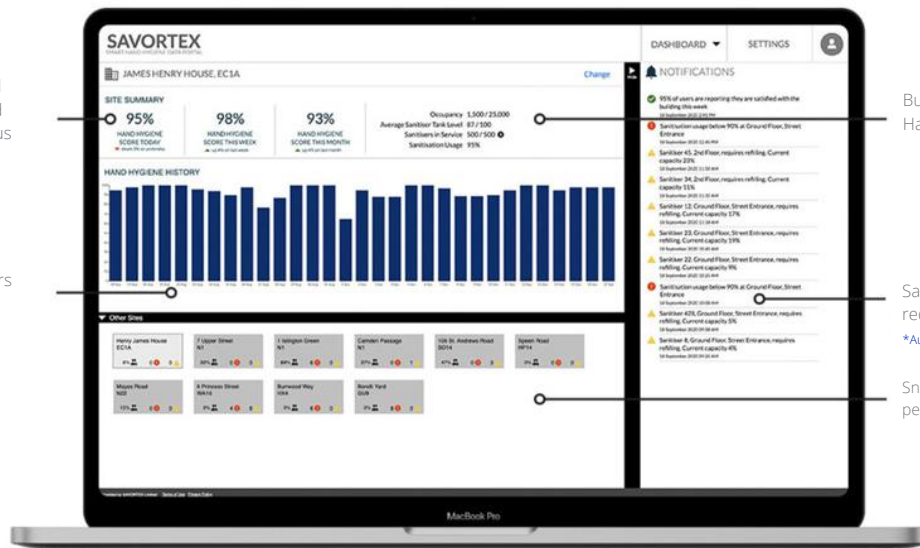
Building health, safety and hygiene performance (and comparison to the previous period)

Health and safety risk. Users who have not sanitised
*Auto notification sent

Building Occupancy Vs Hands Sanitised

Sanitiser dispensers that require liquid refills
*Automatic alert

Snapshot report of hygiene performance within the estate



BENEFITS OF THE HYGIENE DATA PORTAL



Each Smart Sanitiser informs your secure online hygiene portal when a user does not sanitise and sends a discrete auto notification encouraging use.



Your organisation will have real-time hygiene information of itself, and for each employee, visitor and customer as appropriate. This hand-hygiene performance can be used to prevent the spread of potentially harmful bacteria and viruses and meet The Health and Safety Work Act 1974 which is to encourage, regulate and enforce workplace health & safety and welfare.



Create safer, smarter, and more hygienic and energy-saving workplaces.





Introducing our Record-Breaking Smart Energy-Saving Hand Dryer Technologies

The first hand dryer manufacturer to achieve a Guinness World Record title for the world's most energy-efficient hand dryer. Helping companies achieve Net Zero and their overall commitment to sustainability.

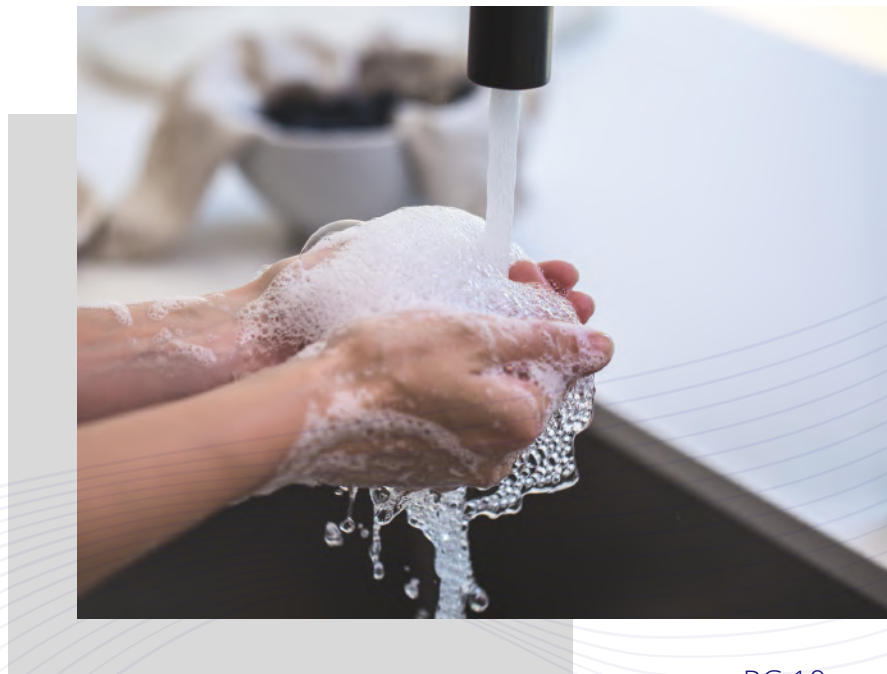


The Importance of Handwashing

The global pandemic has pushed hand washing and drying to the forefront of infection control

"Washing hands regularly is the single most important thing that an individual can do. Public safety remains our top priority."

Health and Social Care
Secretary Matt Hancock





THE PROBLEM

Messy, overflowing trash bins along with a bad hand drying experience are amongst the most common facility complaints. With managers not knowing when washrooms are dirty in real-time or if hand dryers are faulty, ensuring hand-sanitation and washroom hygiene are met is difficult to achieve despite playing a vital role in effective facilities management.

LOW TECH, ENERGY-HUNGRY, UNHYGIENIC AND WASTEFUL ALTERNATIVES

Lack of data negatively impacts cleaning resources. With managers not knowing when washrooms are dirty in real-time or if hand dryers are faulty, it makes washrooms difficult and costly to manage.

It is important as we return to 'normality' to maintain strict hygiene levels throughout all washrooms, which can heavily depend on footfall. Without the right data, this can only be based on a historical estimation.



One of the most standard methods of hand-drying - paper towels are significantly impactful to the environment in both manufacture and disposal. In the UK alone manufacturers sold approximately 205 thousand tonnes of paper towels[7] - most of which end up in a landfill.

The alternative is of course the conventional brushed-motor hand-dryers. These dryers are energy-hungry and have a short life-expectancy so are costly to run.

A study published in the Journal of Applied Microbiology found that other alternative dryers where the user places their hands inside, 60 times more germs than standard air dryers, and 1,300 times more than standard paper towels.

INTRODUCING

THE SAVORTEX® ECO-FRIENDLY SMART HAND DRYER RANGE

ECOCURVE 550A HAND DRYER

- ✓ Fast and hygienic drying in 11 seconds
- ✓ Energy-saving, only 550W power
(up to 88% less energy than other dryers)
- ✓ Built to last, 5-year parts warranty

ECOCURVE 550D HAND DRYER

Comes with washroom data portal
for remote management

- ✓ **Smart product and washroom management**
Stay on top of washroom cleaning and reduce dryer servicing costs. Internet enabled sensors report usage data for analytics and use footfall stats to alert washroom attendants to potential servicing needs.

ADDRYER™ 550A

Boost awareness and promote better hand hygiene.

- ✓ **Attention-grabbing messaging**
Available with an in-built HD video screen, display internal marketing messages or adverts, the latest Government advice, or hygiene reminders to users via the dryer's in-built video screen.

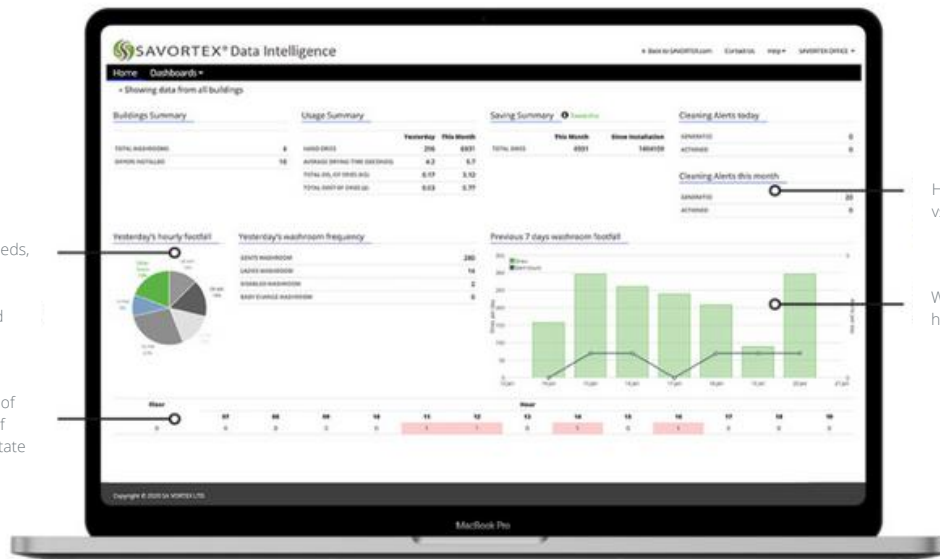


SAVORTEX® INTELLIGENT WASHROOM DATA PORTAL

Real-time hygiene information triggers responsive washroom cleaning and provides improved washroom hygiene and reduced mess.

Proactive hand dryer unit performance, servicing needs, environmental impact monitoring including the average dry time, cost and energy used

Location heat map report of washroom performance of other rooms within the estate



How many washrooms cleaned vs usage

Washroom hourly health and hygiene performance

CASE STUDIES



- 58.75% energy reduction per dry
- 44.76kg of CO2 savings
- Remote washroom management and trend analysis
- Operational savings and efficiencies from responsive washroom cleaning
- ROI expected 18 months

"The SAVORTEX EcoCurve 550D smart hand dryer supported our client, Gatwick Airport's sustainability strategy.

Dr. Zainab Dangana, Wates Smart Space.



- 94.5% cost saving
- £35,000 paper towel savings pa
- 14 tonnes of CO2 savings pa
- Operational savings and efficiencies from responsive washroom cleaning
- ROI 11 months

The trial was an overwhelming success and we are expanding this more widely. RBS recognises the two-way benefit that we can have by working with SMEs, like SAVORTEX, who are often a real hotbed for innovation and invention."

RBS, Head of Estates.

SAVORTEX® SYSTEM PROTECT

CONTINUING CARE

SAVORTEX® System Protect provides unrivalled support, so you can rest assured that your customer's hygiene management system is taken care of.

SAFETY FIRST

Our unique remote servicing means we can deliver outstanding IT service without the need to access the premises.



REMOTE ASSURANCE

As part of the SAVORTEX® System Protect remote servicing fee, we offer the following services:



Dedicated account manager



Remote software and content management fault resolution



Dedicated software account management



Remote RFID tags and reader fault resolution



24-hour access to your data dashboard



Custom designed advertising campaigns and compelling healthcare information

CUSTOMER PRICING

EcoCurve 550D Smart Dryer and Smart Hand Sanitiser:

- A. WIFI data connectivity- £24.99 per unit per annum
- B. GSM data connectivity- £49.99 per unit per annum

adDryer and Full Motion Sanitiser:

- A. WIFI data connectivity- £74.99 per unit per annum
- B. GSM data connectivity- £99.99 per unit per annum

WHAT OUR CLIENTS SAY

SAVORTEX® created its smart sanitiser products to enable organisations to not only adopt the highest protocol levels of hand hygiene in the workplace but additionally to remotely monitor compliance to ensure that measures have been implemented but they are being followed by all staff and visitors into a building.

Royal College of Psychiatrists is one institution to be already introducing the SAVORTEX® Smart Sanitiser System.



Kris Sadler, Head of Facilities at Royal College of Psychiatrists, said:

“We at the Royal College of Psychiatrists are looking at new ways to offer the highest level of hand hygiene standards to create safer working environments for our members of staff and visitors as we reopen our facilities after the pandemic. The SAVORTEX® Smart hand sanitiser is an innovative, data-led hygiene solution which meets our safer working environment strategy.”

SAVORTEX®
is trusted by

Standard
Chartered



Gatwick

BRITISH AIRWAYS



L'ORÉAL



RBS

Rolls-Royce

Rentokil
Initial



Bank of Ireland

British Gas

WHY IOT?

DATA SCIENCE HAS TRANSFORMED
HEALTHCARE

The Internet of Things (IoT) enabled devices have made remote monitoring in the healthcare sector possible, transforming the way we understand conditions and behaviours.

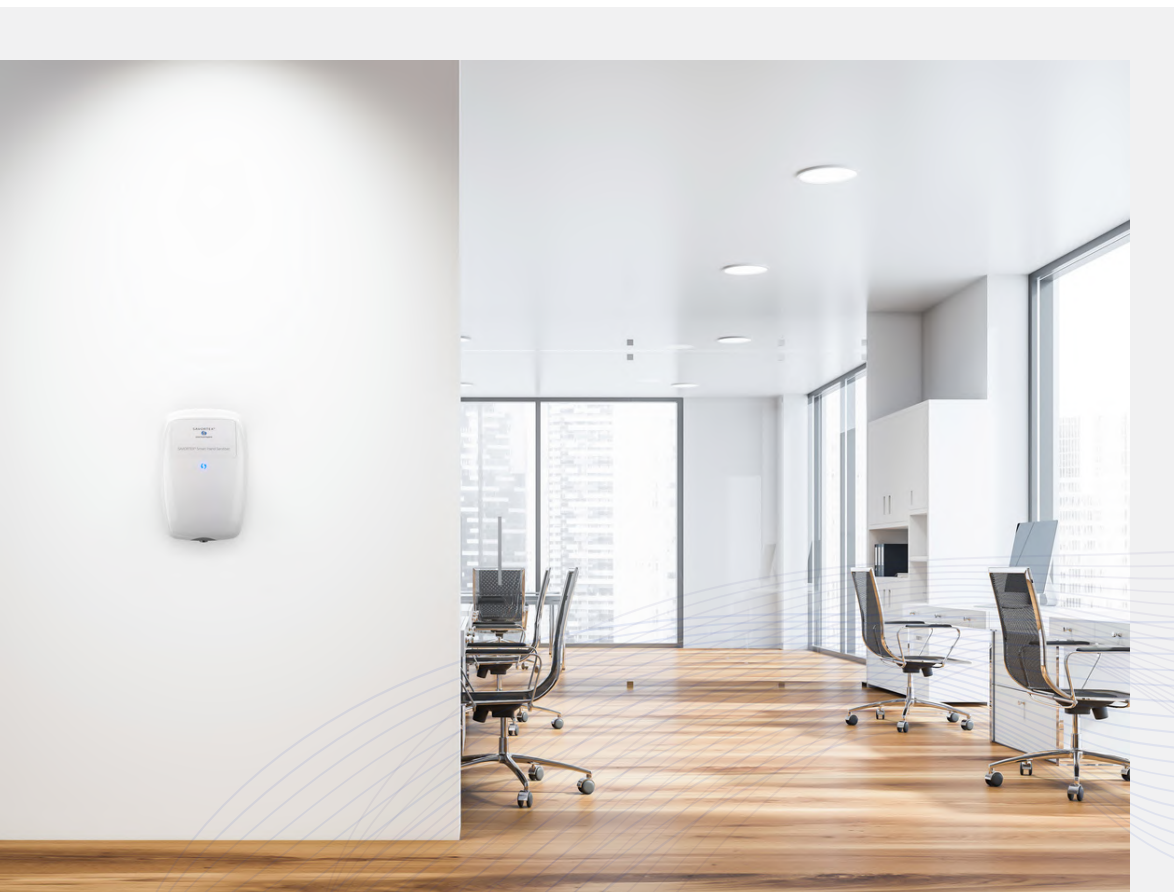
Our technology makes it possible for buildings to truly understand and manage risk.

OFFSET THE COST*

As part of the government's new temporary tax relief, you can claim a super-deduction providing allowances of 130% on new plant and machinery investments that ordinarily qualify for 18% main rate writing down allowances.

This includes all SAVORTEX® Smart Hand Hygiene Solutions.

*As a temporary measure due to the Covid-19 pandemic this tax relief is subject to change. Please ensure you follow the correct taxation rules for your business.



ABOUT US

WHO IS SAVORTEX®?

We are a multi-award winning British IoT (Internet of Things) hand-hygiene technology company with a decade of expertise in revolutionising workplace safety, cost- operational efficiency and hygiene.

We are committed to developing technologies that positively impact communities, industry and the environment.



We provide the ONLY IoT connected data-driven hand-hygiene solution



Our hand sanitisers can track use in real-time to reduce the spread of infection



Our solutions use less energy and increase operational efficiency



Our products are fully developed and manufactured in the UK



Our technology has full motion screens to display compelling messaging to encourage use.



We are proud to supportors of Strong Gens. Dedicated to empowering children in conflict.

MEET THE TEAM



Syed Ahmed
FOUNDER/CEO

Award-winning tech entrepreneur pioneering innovation in partnership with Intel® and Arm®



Thomas Power
CHAIRMAN

Formerly of Amstrad and Microsoft. A FTSE350 PLC qualified Non-Executive Director



Chris Dockrill
CHIEF TECHNOLOGY OFFICER

Ex BBC and Lloyds Banking Group and an expert in IT solutions architecture, programming and IoT



Nicholas Gill
CHIEF FINANCIAL OFFICER

Former merchant bank Director & venture capitalist with expertise in commercialising IP-based technology companies



Salli Flaherty
HEAD OF MARKETING & PARTNERSHIPS

Digital marketing specialist with expertise in IP lead healthcare technology & innovation



Graham Nice
SENIOR BUSINESS DEVELOPMENT

International Sales and Business Development specialist in IoT technology

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