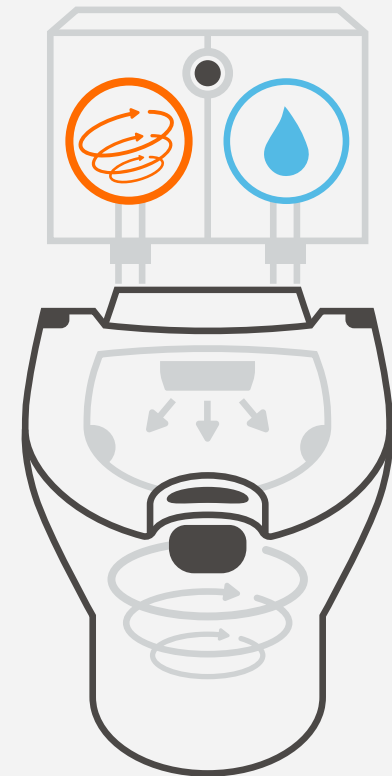


SAVING THE WORLD'S
DECREASING WATER RESOURCES

ONE FLUSH AT A TIME



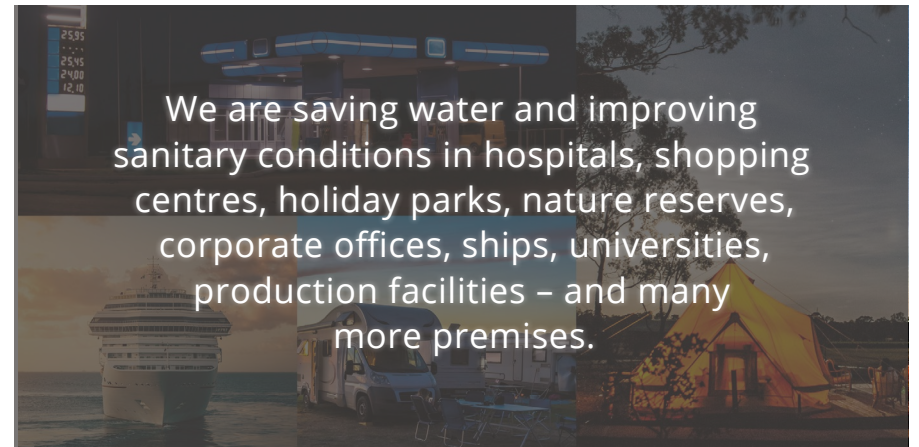
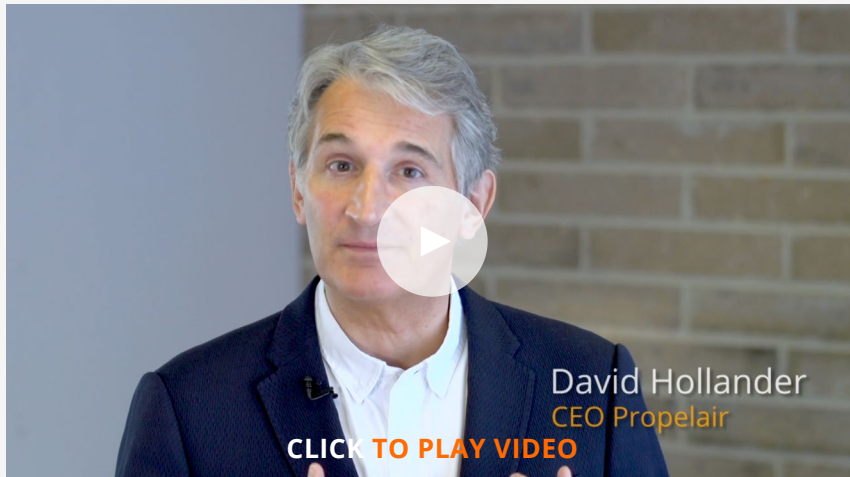
propelair[®]

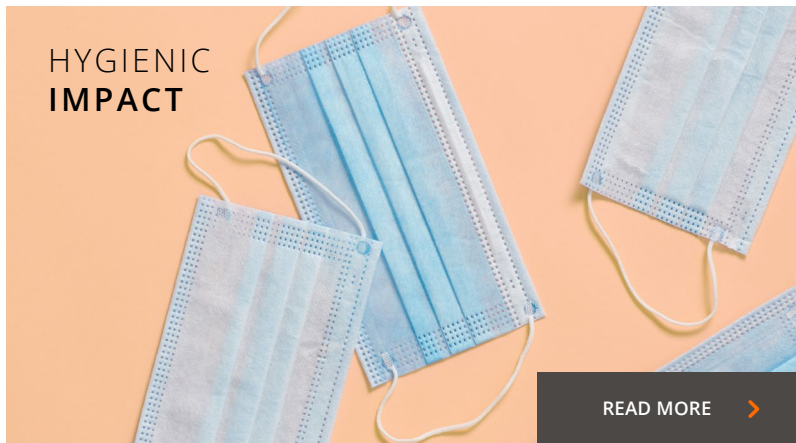
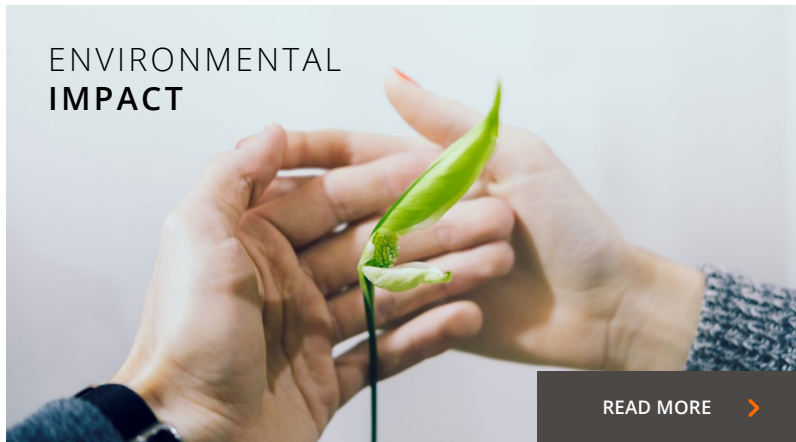
Save water, save energy, save lives, save money

IN 2020 PROPELAIR SAVED
OVER 470 MILLION
LITRES OF WATER



That's equivalent to over
47,000 water tankers worth of water.





IF THE RECENT PANDEMIC HAS TAUGHT US ANYTHING...

It's the importance of finite resources, hygiene and the impact we have on our environment.

The coronavirus pandemic has caused economic uncertainty worldwide. Businesses and organisations now have to navigate this New Normal while implementing changes that are more hygienic, environmentally friendly and financially viable.

It's vital for businesses and organisations to learn from the silver linings of the pandemic and lockdowns, in order to restore trust from staff, customers, visitors and patients – and find a profitable way to keep staff and customers safe and improve their impact on nature.

IS YOUR WASHROOM

FIT FOR PURPOSE?

The responsibility to curb the further spread of the coronavirus falls on everyone. However, businesses especially are expected to take all possible hygiene measures to keep everyone safe and restore trust from staff, visitors, patients and clients.

Washrooms can provide a breeding ground for germs and bacteria. This can be caused by low light levels due to lack of daylight, but also due to lack of ventilation and frequent use. Commercial and public access washrooms also suffer from breakages, inefficient waste removal and now, due to the pandemic, erratic cleaning schedules.



This "sneeze effect" sprays bacteria, viruses (potentially COVID-19) and moisture into the air.

[CLICK TO PLAY VIDEO](#)

FLUSHING WITH THE LID ...

The 'sneeze effect' you see in the video sprays germs into the air (up to 1 metre). These aerosolised germs then settle on touch surfaces, including door handles, locks and toilet roll dispensers.

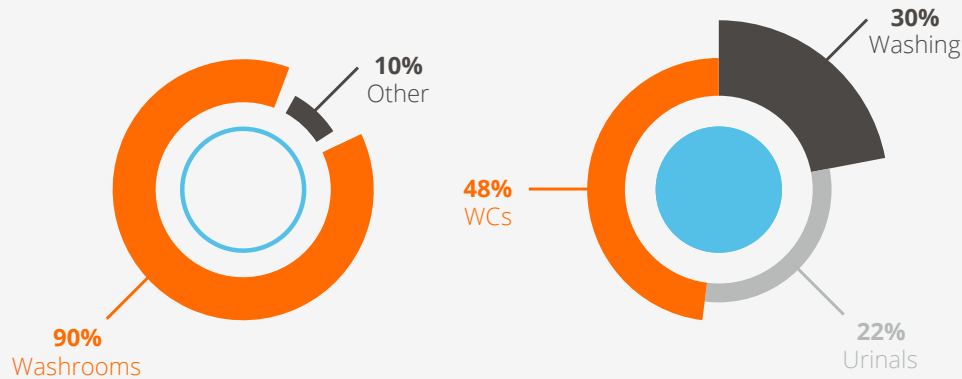
Aerosols are such small particles that they remain in the air and can be inhaled, possibly leading to infection.

COMMERCIAL WASHROOMS

WASTE DRINKING WATER

Demand for water is going to be higher than the supply in just a few years – and no other product* uses more drinkable water than toilets.

*IN AN OUT-OF-HOME BUILDING



ON AVERAGE, AN EMPLOYEE 'AT WORK' USES

50 litres of water per day

13,000 litres of water per year

5,616 litres of drinkable water is flushed!



CONVENTIONAL TOILET ISSUES:



Demand for water is growing



Each flush wastes 6-9 litres of water



Poor hygiene



High maintenance costs



Unreliable drainage systems



Wastewater costs



Slow refill / toilet queues



Increased hand washing



Increased cleaning



Irregular washroom use

THE SOLUTION

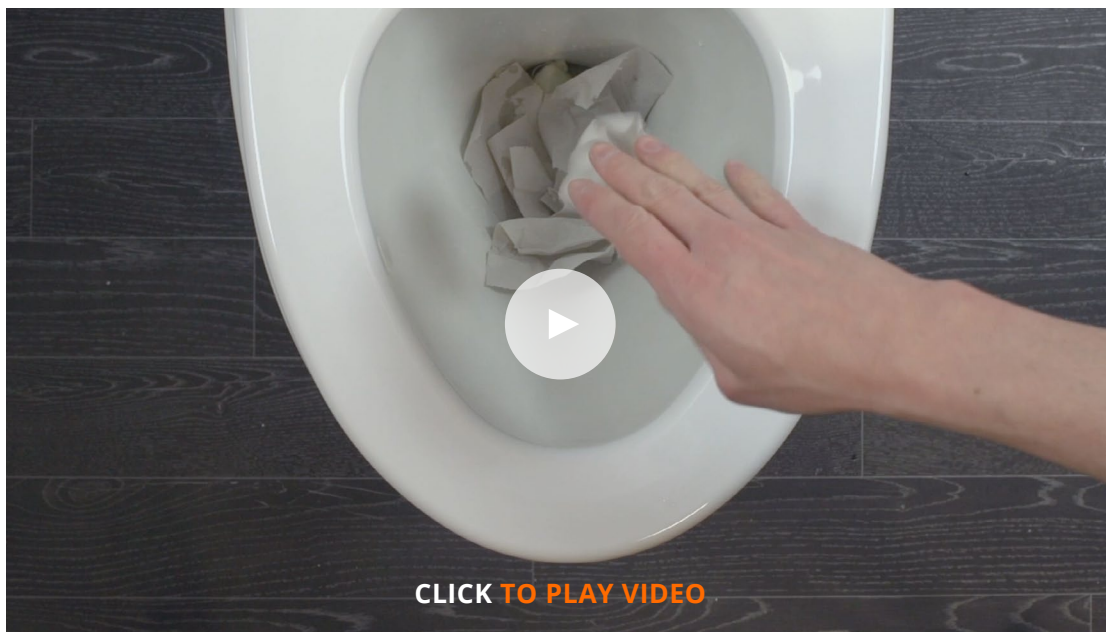
PROPELAIR HAS ONE GOAL:

To benefit our planet by challenging, improving and delivering water efficient technology.

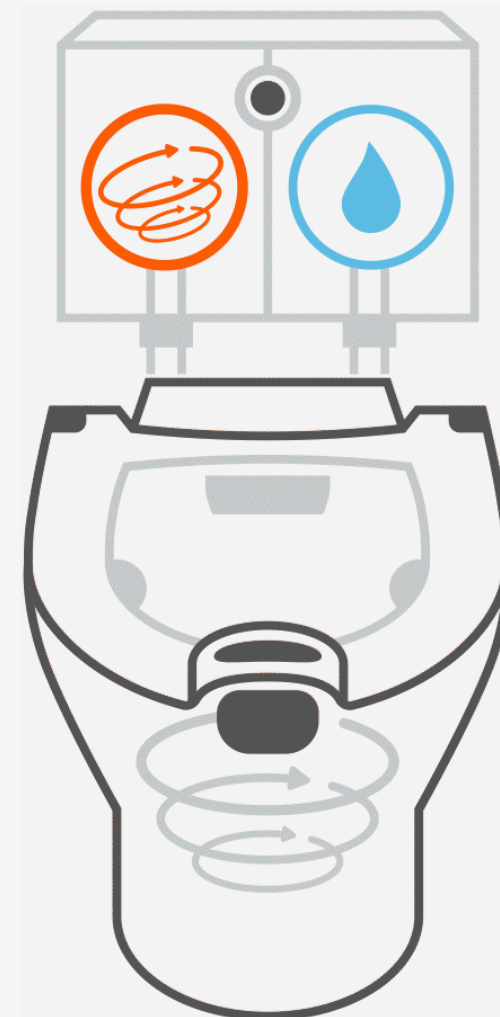
We are the UK-based manufacturer of the world's lowest water-flush toilet. We specifically designed it to be a high-performance, sustainable solution that businesses can rely on to make washrooms more hygienic, improve your environmental impact and to save you money. Trusted by service stations, banks, universities, supermarkets, shopping centres, stadiums, fast food restaurants and more...




HOW DOES PROPELAIR WORK?



- Retrofittable on existing drains
- Can be specified for newbuilds
- Works off grid when not connected to main sewage systems



 **HOVER** to find out more

EFFICIENCY WITHOUT COMPROMISE

BUSINESS BENEFITS



1.5 litre flush

84% less drinking water on average per flush



Up to 80% carbon reduction

Supports CSR policies



Strong, durable design

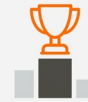
Significantly reduces maintenance costs



Reduces building water and sewage bills

Saves up to 60%

USER EXPERIENCE



Superior flush performance

Quick refill time reduces queues



Far fewer blockages

Fewer washroom closures



Reduces airborne germs by 95%

Increased hygiene assurance with better waste removal and SteriTouch®



Better for the environment

81% of users value the water savings

FIND OUT HOW MUCH OUR CLIENTS ARE SAVING:

FIND OUT HOW MUCH **YOU CAN SAVE**

For a free business case, or to make a purchase, please get in touch with us.



CASE STUDY | MACE GROUP



Working with Mace Group, Propelair carried out a water audit in the washroom of an international bank in London, studying the water usage on the 8th floor of their building.

Following the audit results, the bank commissioned Propelair to install 114 toilets.

OVERVIEW



- The installation of 114 Propelair toilets has achieved an **81%** water saving
- Annually, this saves **14,314,300 litres of water** (building utilisation = 260 days)
- An annual carbon reduction of **14,798 kg**



- 14,314,300 litres of water saving = **£30,766 reduction in water bills annually**
- Payback achieved in **3.1 years**



- Propelair's **displaced air technology** efficiently removes all waste with one flush
- Reduces airborne germs by up to **95%**
- Removes up to **99.9%** of waterborne contaminants



- Metered Water Charge: **£2.15/m³**
- Flushes per day: **70**
- Previous flush volume: **8 litres**

CASE STUDY | CARDIFF UNIVERSITY



OVERVIEW

As part of Cardiff University's initiative to reduce water usage on their campus, Propelair prepared a business case for their administration building, McKenzie House.

Propelair monitored the flush volume in the washroom and identified that the university would save 11.5 litres per flush with Propelair. From the monitoring and data recorded, Cardiff University decided to replace all their toilets at McKenzie House.



- The installation of 40 Propelair toilets has achieved a **90%** water saving
- Annually, this saves **5,262,400 litres of water** (building utilisation = 260 days)
- An annual carbon reduction of **5,482 kg**



- 5,262,400 litres of water saving = **£16,366 reduction in water bills annually**
- Payback achieved in **2.3 years**



- Propelair's **displaced air technology** efficiently removes all waste with one flush
- Reduces airborne germs by up to **95%**
- Removes up to **99.9%** of waterborne contaminants



- Metered Water Charge: **£3.11/m³**
- Flushes per day: **44**
- Previous flush volume: **13 litres**

CASE STUDY | CESSPIT SITES



OVERVIEW

Following a hugely successful trial at a cesspit site, a major oil and gas company chose to install more Propelair toilets on other sites.

The reduction in water usage as a result of installing Propelair has not only saved them money on their water bills, but they have also seen huge savings on their tank emptying bills as well:

To go from emptying once a week, to now once a month is saving the customer £1200 a month.



- The installation of 2 Propelair toilets has achieved a **75%** water saving
- **85,410 litres of water** will be saved annually (building utilisation = 365 days)
- Annual carbon reduction equivalent to **89.851 kg + less lorries on the road**



- **£14,400** will be saved in tankering bills annually
- **£278.44** will be saved in water bills annually
- Payback achieved in **0.3 years**



- Propelair's **displaced air technology** efficiently removes all waste with one flush
- Reduces airborne germs by up to **95%**
- Removes up to **99.9%** of waterborne contaminants

CASE STUDY | MCDONALD'S



9 Propelair units have been installed at McDonald's St George's Street, which serves the Whitefriars Shopping Centre in Canterbury. It is open 24 hours and its washrooms are heavily used, so Propelair's robust design and potential for water saving offered significant benefits.

The new toilets have provided the restaurant with substantial environmental and financial savings.

OVERVIEW



- The installation of 9 Propelair toilets has achieved an **81%** water saving
- Annually, this saves **1,848,647 litres of water** (building utilisation = 364 days)
- An annual carbon reduction of **1,910 kg**
- 1,848,647 litres of water saving = **£6,546 reduction in water bills annually**
- Payback achieved in **1.3 years**
- Propelair's **displaced air technology** efficiently removes all waste with one flush
- Reduces airborne germs by up to **95%**
- Removes up to **99.9%** of waterborne contaminants
- Metered Water Charge: **£3.53/m³**
- Flushes per day: **90**
- Previous flush volume: **7.77 litres**

CASE STUDY | THE ORACLE SHOPPING CENTRE



THE
ORACLE[®]
READING

OVERVIEW

As part of Hammerson Plc's drive to use and waste less water on their premises, Propelair installed 15 units at The Oracle Shopping Centre in Reading in March 2016.

After a successful proof of concept trial, Hammerson requested a further 28 Propelair units, which have since further improved Hammerson's environmental achievements and bottom line.



- The installation of 43 Propelair toilets has achieved a **75%** water saving
- Annually, this saves **3,662,568 litres of water** (building utilisation = 364 days)
- An annual carbon reduction of **3,757 kg**



- 3,662,568 litres of water saving = **£7,875 reduction in water bills annually**
- Payback achieved in **3.7 years**



- Propelair's **displaced air technology** efficiently removes all waste with one flush
- Reduces airborne germs by up to **95%**
- Removes up to **99.9%** of waterborne contaminants



- Metered Water Charge: **£2.15/m³**
- Flushes per day: **52**
- Previous flush volume: **6 litres**

CASE STUDY | THE PRINCESS ALEXANDRA HOSPITAL



NHS

**The Princess Alexandra
Hospital**
NHS Trust

OVERVIEW

Following a successful trial, The Princess Alexandra Hospital in Harlow has chosen to refurbish all of its public toilets.

Propelair technology brings substantial hygiene benefits and increased flush efficiency. This has added value by eliminating blockages in extreme high-usage areas where issues had previously arisen on a daily basis.



- The installation of Propelair toilets across the site has resulted in an **81%** water saving
- Annually, this saves **over 20 million litres of water** (building utilisation = 365 days)
- An annual carbon reduction of approximately **21,000 kg**



- 20 million litres of water saving = **£65,000 reduction in water bills annually**
- Payback achieved in **2.3 years**



- Propelair's **displaced air technology** efficiently removes all waste with one flush
- Reduces airborne germs by up to **95%**
- Removes up to **99.9%** of waterborne contaminants



- Metered Water Charge: **£3.13/m³**
- Flushes per day: **55**
- Previous flush volume: **8 litres**

CASE STUDY | SIEMENS



OVERVIEW

SIEMENS

The world-renowned company has a strong focus on sustainable development and Net Zero in South Africa.

So when Siemens launched a major water saving initiative in 2019, Propelair became an integral part of this strategy.

112 Propelair toilets were installed across six buildings in Siemens' Midrand campus, saving just under 5.5 million litres of water in a year.



- The installation of 112 Propelair toilets has achieved an **85%** water saving
- **5,460,000 litres of water** will be saved annually
- Annual carbon reduction equivalent to **5684.24 kg**



- Propelair's **displaced air technology** efficiently removes all waste with one flush
- Reduces airborne germs by up to **95%**
- Removes up to **99.9%** of waterborne contaminants

CASE STUDY | NEDBANK



OVERVIEW



Nedbank is one of the 10 largest banks by assets in South Africa.

Nedbank has high sustainability targets and commissioned the roll-out of 32 Propelair units at its Clocktower Building in Cape Town, as well as 269 units for their headquarters.

The project was deemed a stand-out water saving project thanks to the significant savings in both water and financially; the Propelair units paid back in under 2.5 years!



- The installation of 322 Propelair toilets has achieved a **75%** water saving
- **45,210,000 litres of water** will be saved annually
- Annual carbon reduction equivalent to **46,848 kg**



- **R3,440,000** will be saved in water bills annually
- Payback achieved in **2.5 years**



- Propelair's **displaced air technology** efficiently removes all waste with one flush
- Reduces airborne germs by up to **95%**
- Removes up to **99.9%** of waterborne contaminants

CASE STUDY | CLEARWATER MALL



OVERVIEW

CLEARWATER

Clearwater Mall is based in the North West suburbs of Johannesburg and is one of the largest shopping centres in the region. With over 200 businesses, it has several restaurants, fast food outlets, coffee shops and fashion stores.

To reduce their high water usage and maintenance costs, Clearwater Mall installed 42 Propelair toilets in their public washrooms. The Propelair toilets now use 75% less water than before and have paid for themselves in just 1.3 years. The toilets have also proven to be a hit with both visitors and staff alike.



- The installation of 42 Propelair toilets has achieved a **75%** water saving
- **11,840,000 litres of water** will be saved annually
- Annual carbon reduction equivalent to **12,272 kg**



- **R852,654.6** will be saved in water bills annually
- Payback achieved in **1.3 years**



- Propelair's **displaced air technology** efficiently removes all waste with one flush
- Reduces airborne germs by up to **95%**
- Removes up to **99.9%** of waterborne contaminants