

ELIMINATES MOULD



We provide fast-acting air systems **designed to eliminate up to 99.9% of surface and airborne mould spores.** By utilising our nature based technology, we keep both tenants and properties safe.

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Our Story: From Clean Air to The Future of **Mould-Free Homes?**

ArcAirTech began its journey by delivering clean air systems to sectors such as hospitality and healthcare.

Laboratory testing revealed that our systems were capable of eliminating mould spores. We shared these findings through our marketing channels, which caught the attention of MP Fleur Anderson — a long-term advocate for healthy homes, particularly within the private rental sector.

Ms Anderson recognised the potential impact on housing and posed the question:

Could this be the future of mould-free homes?

This led to discussions with Tom Copley, Deputy Mayor of London for Housing, as well as senior leaders from the G15 housing group.

What followed was a year of pilot schemes with multiple housing providers, designed to answer a key question:

Can our technology eliminate mould in homes?

The results were conclusive. These trials validated our laboratory findings — **that our hydroxyl-based technology effectively eliminates mould spores.**

With Awaab's Law and the Renters' Rights Bill, **our solutions are ready to support landlords deliver safer, healthier homes for their tenants.**



Mould in homes is **not new**

There are many traditional solutions that have been utilised to combat mould in housing such as ventilation, fogging and mould washes.

But what is new is the **legislation and ArcAirTech?**

The first challenge lies in the strict timescales now required of landlords when addressing reported hazardous contaminants such as mould. Whilst traditional methods have been effective, they are labour-intensive and may struggle to keep pace with the scale of these new responsibilities — particularly without a major increase in housing workforce capacity.

We can help **you**



Provide a response within 24 hours that your tenant can turn on straight from the box.



Provide a whole home solution with one unit.



Give your tenants peace of mind and a healthy home.



Supply energy efficient solutions.

As you will see from our test reports (page 9), our active technology begins working immediately, **helping to create a safer living environment for tenants whilst giving landlords the necessary time to complete repair works.**



What we provide



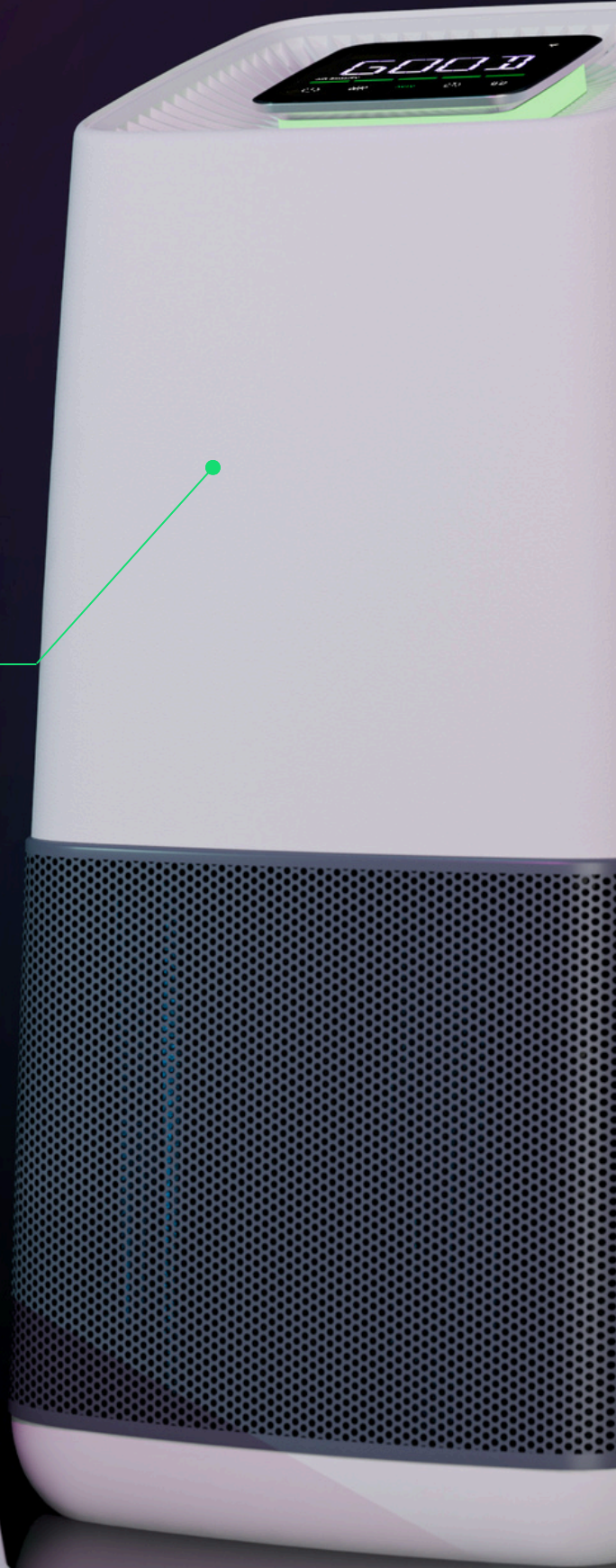
Fast-acting air systems designed to eliminate up to **99.9%** of surface and airborne mould spores.




Portable ARC for a rapid response.



Fixed ARC for recurring mould.





 It's as easy as 1 - 2 - 3

1

Tenant Reports Mould

Simply deliver and switch on your portable unit to start eliminating up to 99.9% of Mould spores.

2

Reduce Need for decant

Tenants can continue to live in their homes whilst the property is surveyed and repairs are carried out.

3

Remove and Reuse

Once repairs have been carried out, this product is ready for you to use again when required.

Portable ARC - Other key benefits.



Auto Mode

Intelligent air sensor technology. Portable ARC will adjust its output depending on the contaminants detected.



App Connected

One app to manage all of your units remotely. Monitor humidity and temperature in your properties.



Whole Home Solution

Covers areas of up to 139 m²



A lasting solution - In 3 Steps

1

Identify Homes

Where mould has been a recurring issue.

2

Fit One Fixed Unit

Provide peace of mind for tenants and protect properties. Our wall mounted unit eliminates up to 99.9% of surface and airborne mould spores.

3


Save Time & Money

Once cosmetic repairs are carried out, our fixed unit helps to prevent future mould growth, reducing the need for repeat maintenance visits.

Fixed ARC - Other key benefits

 **Whole Home Protection**
Provides coverage for an average 3 bed home: Up to **93 m²**

 **A Healthy Home**
Eliminates mould spores, odours, viruses, allergens and VOC's.

 **Energy Efficient**
Running 24/7, can cost as little as **£40 per annum.**



Live testing in housing

Mould Types	1st Test Spores Found per m ³	2nd Test Spores Found per m ³	Reductions
Asp/Pen String	37227	213	99.42%
Chaetomium	42907	2320	94.59%
Stachybotrys	34013	1867	94.51%
Ulocladium	2933	0	100%
Cladosporium	16813	0	100%

Live Test Results: **APACOR®**
 Testing Methods: Air Sampling
 Testing Company: Apacor

For full testing reports - [contact us](#)





Scan the QR code to
watch the video



Hydroxyls - Nature's self cleaning agents

What are they?

Hydroxyls are highly reactive molecules that actively seek out and eliminate harmful contaminants both in the air and on surfaces — including mould spores

Nature's cleaning agents

Known as the “**detergent of the atmosphere**” - Hydroxyls are not anything new, they exist in nature. We are naturally exposed to them almost every day.

Hydroxyls against mould

Due to their highly reactive nature, hydroxyls get to work instantly. They work at the microscopic level, seeking out mould spores in every nook and cranny of a property — even within porous materials like mattresses, couches, carpets, and clothes.

Hydroxyls against mould

The results

Thanks to our multi-metal catalyst approach, we're able to accelerate reaction speed and enhance durability, producing long-lasting hydroxyls.

- **Eliminating up to 99.9% of mould spores** in the air and on surfaces
- **Whole Home Solution:** One unit can cover up to **125 m²**

Hydroxyls eliminate mould

They bond with mould spores at the molecular level, breaking them down into harmless base elements. This disrupts spore regeneration, arrests visible surface mould and helps stop future spread.

Our technology harnesses moisture as part of its process. With our products continuously running, recycling of humidity is a constant – which helps reduce condensation and moisture build-up in the home.



How we generate Hydroxyls

A UV-C light source activates our quad metallic catalyst. An epoxy primer is applied to our catalyst causing it to be hydrophilic – meaning it attracts water vapour.

When the light source hits the catalyst, it reacts with moisture (H_2O) and oxygen (O_2) in the air. So as air and moisture pass through the cell, it triggers a chemical reaction that turns ambient humidity into active cleaning agents - ARC[®] hydroxyls.

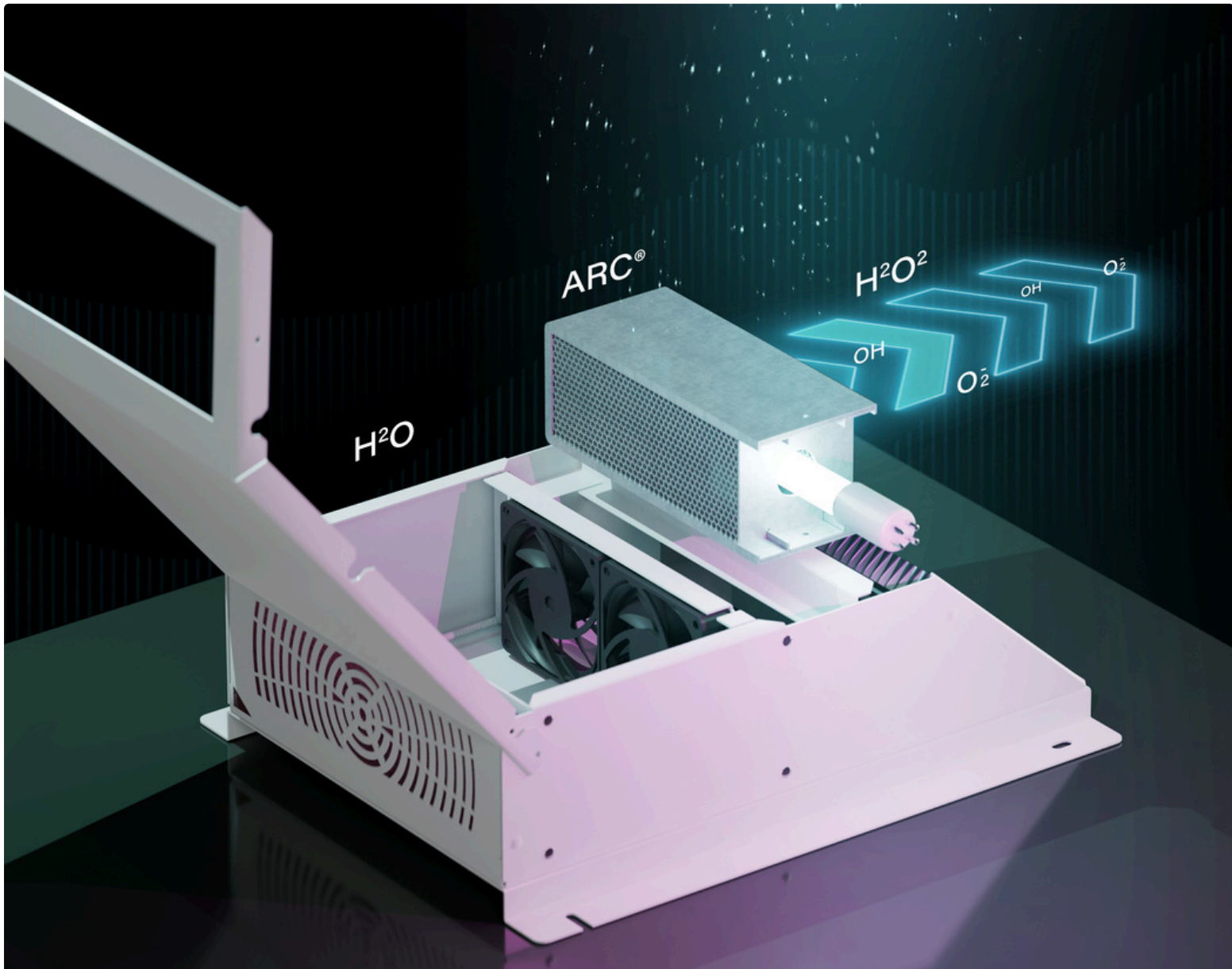
ARC[®] Quad- Metallic Catalyst

Titanium Dioxide
Acts as the primary photocatalyst.

Copper
Broad-spectrum antimicrobial & catalyst enhancer.

Rhodium
High-efficiency oxidation catalyst.

Silver
Antimicrobial agent.



Instant difference with ODOGard® filtration

Our exclusive technology eliminates odours caused by dampness, mould, VOC's and other sources. This is the first thing your tenants will notice – a fresher, more pleasant living environment. Immediately they buy into the solution and your investment in keeping them safe.

How it works

1.

By drawing air through a filter to trap particles such as mould spores, pollen, pet dander, dust and smoke.

2.

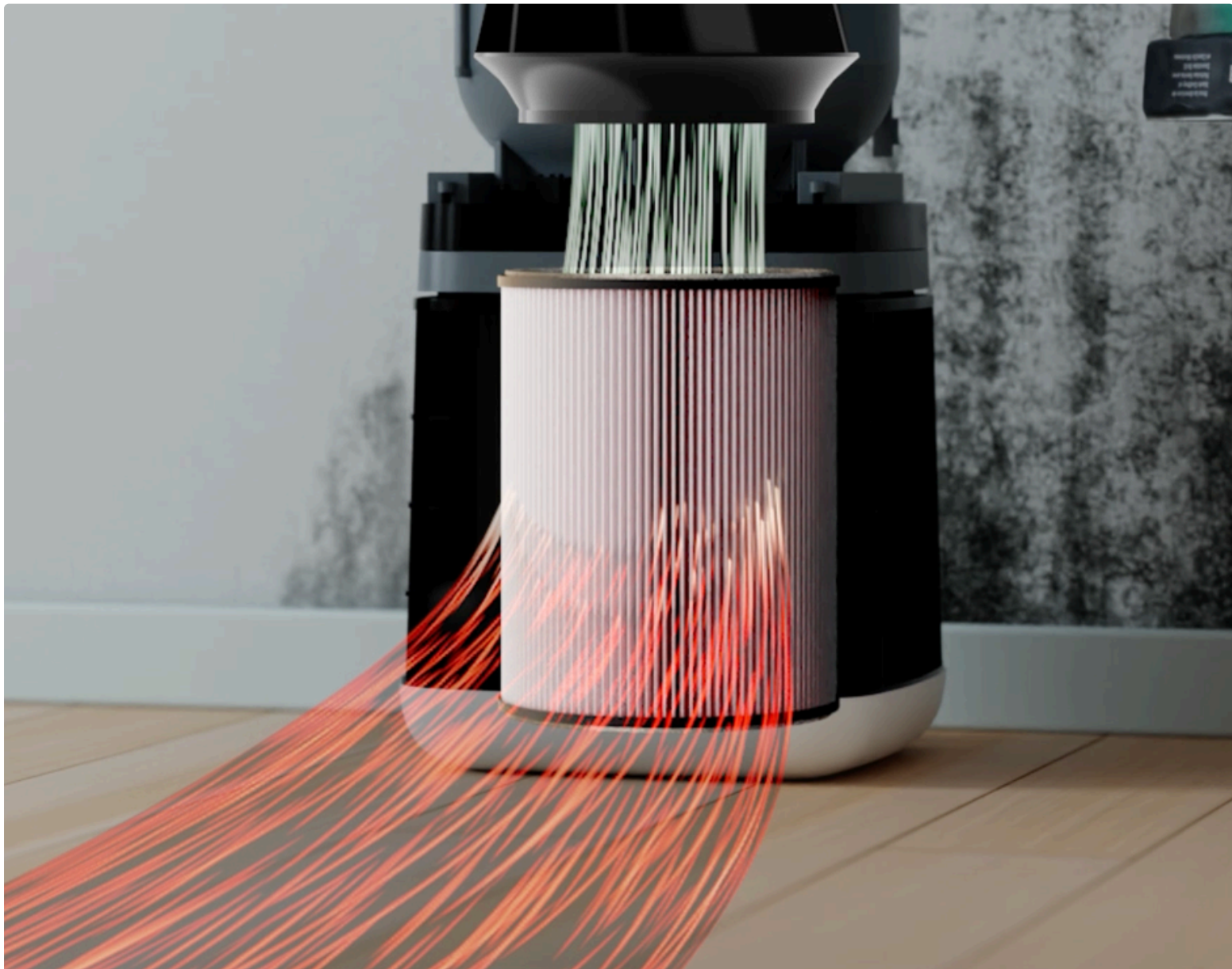
Our HEPA Filters are capable of trapping particulates as small as 0.25 microns.

3.

A proven technology that attaches to a volatile organic compound or odour molecule.

4.

When bonded to the molecule, ODOGard® changes its molecular structure. This forever eliminates the odour as if it was never there.



A healthy home solution

Our technology not only eliminates mould spores, **it also creates a healthy home:**

- ✔ **Eliminating Viruses & Pathogens**
Helping those with weakened immune systems.
- ✔ **Reducing Allergens, VOC's & Particulates**
Improving conditions for tenants who suffer from allergies, asthma and COPD.
- ✔ **Surface Sanitisation**
Reducing the need for harsh cleaning chemicals.
- ✔ **Odour Elimination**
The first thing noticed after switching on our products, creating strong tenant buy in to the technology.

User friendly approach

- ▶ **Plug & Play:**
Portable ARC can be switched on straight from the box by the tenant
- ⚡ **Energy Efficient:**
For those with Fixed ARC, running 24/7 it will cost approximately £40 per year
- 🏠 **Easy Integration in Homes:**
Fixed ARC is compact and lightweight. Installed high onto walls, keeping it from interfering with tenants' daily lives..
- ⚙️ **Simple Installation:**
Both of our products operate on a three pin plug, therefore an electrician is not required.
- 🏠 **Hassle Free Solutions:**
Easily maintained helping to ensure product efficacy, the health of your tenants and property protection



Why ArcAirTech is unique

A rapid response to
changing legislation



A whole home solution
with one unit



Save time and money
from decants and ongoing
maintenance



A cost and time effective
solution to mould reports



Portable ARC
£750 ex VAT



Fixed ARC
£710 ex VAT

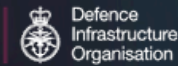


Protects Tenants Preserves Homes

The Portable ARC®
Rapid Response to mould reports



As used by:



Our strategic partnerships:

