CONTACT

The University of Bath are looking for partnerships to help develop this technology. If you are interested to discover more then please get in contact.

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FOAM3R TECHNOLOGY

A tailorable disruptor technology for microbial, CO_2 and VOC odour removal

A NOVEL TECHNOLOGY

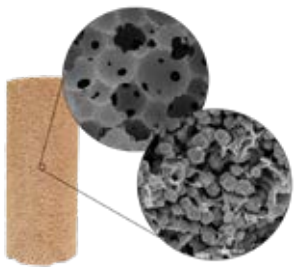
Patented by the University of Bath, producing multi- functional foam structures for a wide range of applications.

MISSION STATEMENT:

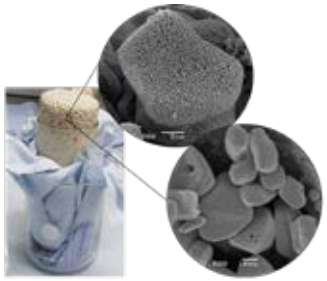
"Build a strong industrial partnership to springboard our efficient foam-based air purification technology"

BENEFITS

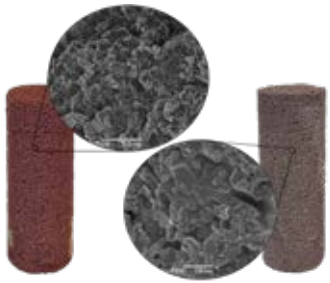
- Mouldable & light-weight
- Tailorable composition to target pollutants
- Re-usable utilising in-situ thermal regeneration
- Retro-fittable into existing technology
- Easy, one-step manufacturing process
- Energy efficient compared to granular systems



Zeolite foam



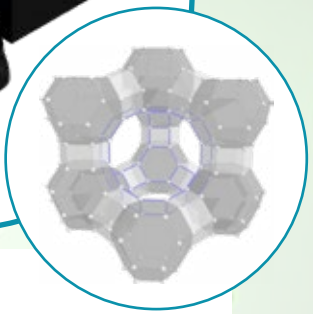
Bicarbonate foam



Copper/Nickel foam

ANTI-BACTERIAL

Removes 99.999% of common bacteria and viruses using metals incorporated into the foam.



VOC CAPTURE

Tailored adsorbent foam allows for targeted capture of a wide range of small to large VOC molecules. The zeolite adsorption is both stable and regenerable.

Prototype Unit Design

Rooms up to 50 m2
TSA regeneration
65cm x 34cm x 53 cm

CO_2 REMOVAL

20 - 35 wt% capacity for removal of CO2 using carbonate foam structures.