

Eco-Shield

Build a Fortress of Safety Around Your Products



IMAGINE A PLANT

- Where the air protects your products and your staff
- Destroys bacteria, viruses, volatile organic compounds, ammonia, ethylene and carbon dioxide
- 6 log microbial reductions have been realised in controlled environments in water and air
- Where protection starts at the front door
- Where water becomes a sanitiser 100 times more effective than bleach
- But safe for product contact - extending shelf life
- Safe for the staff - reducing sick days
- Replacing expensive & hazardous chemical concentrates
- Reducing power consumption and carbon foot print
- Biofilm Detection in real time, without consumables
- Optimisation of hygiene testing and pathogen testing

And yet it is Eco-Friendly and Chemical Free



MISSION

EcoShield is a cutting-edge suite of innovative technologies designed to enhance food safety and hygiene while supporting sustainable, chemical-free practices. Tailored for food manufacturing and processing environments, EcoShield ensures compliance with HACCP standards through advanced environmental monitoring and next-generation sanitation systems.



WHY ECO-SHIELD?

- Low power costs
- No transport costs
- No chemicals
- Breaks down to air and water
- Small carbon footprint
- Kills bacteria and viruses
- Treats air, water and surfaces
- Safe for staff
- Removes risks & hazards
- All at a lower cost



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Eco-Shield

AIR SANITATION

WATER SANITATION

CHEMICAL FREE - LOW CARBON - SAFE



ENVIRONMENTAL MONITORING HACCP TOOLS

REAL TIME BIOFILM DETECTION

Build a Eco-Fortress of Safety Around Your Products

HACCP Protection

Environmental Monitoring



Contamination Protection

Biofilm Detection



Water Protection

Eco Alternative to Chemicals



Air Protection

Chemical Free Sanitising Air



Surface, Product and Ingredients

Rapid Hygiene Swabs, Allergen Detection Kits, Pathogen Detection Kits, Chemical Test Strips, Thermometers, Dataloggers, pH, Microbial Sample Collection, Petrifilm, Buffers & Diluents, Water Activity & Moisture Analysis, Texture Analysis, Incubators & Metal Detectable Products.

Unique Quad UV Screening

Bactiscan range illuminates entire surfaces making it possible to detect bacteria and biofilms instantly. It selectively detects Protein S-layers in microbial cell walls causing them to emit a green glow. Uses no consumables and can scan wide areas quickly, allowing the optimising the usage of hygiene swabs.

Chemical Free Sanitiser

Imagine harnessing the power of the sea to create a sanitiser 100 times more powerful than bleach giving 6 log microbial reductions in minutes. It is produced on demand for cents and its benefits include surface sanitation, extending shelf life, water recycling and reducing carbon footprints.

Air That Sanitises Everything

Imagine converting air into a sanitiser that gives a 6 log reduction of airborne bacteria and viruses in minutes. Which is also active on surfaces and product - yet safe enough to run during production. Plus uses less power than light globe and reduces hazardous chemicals.