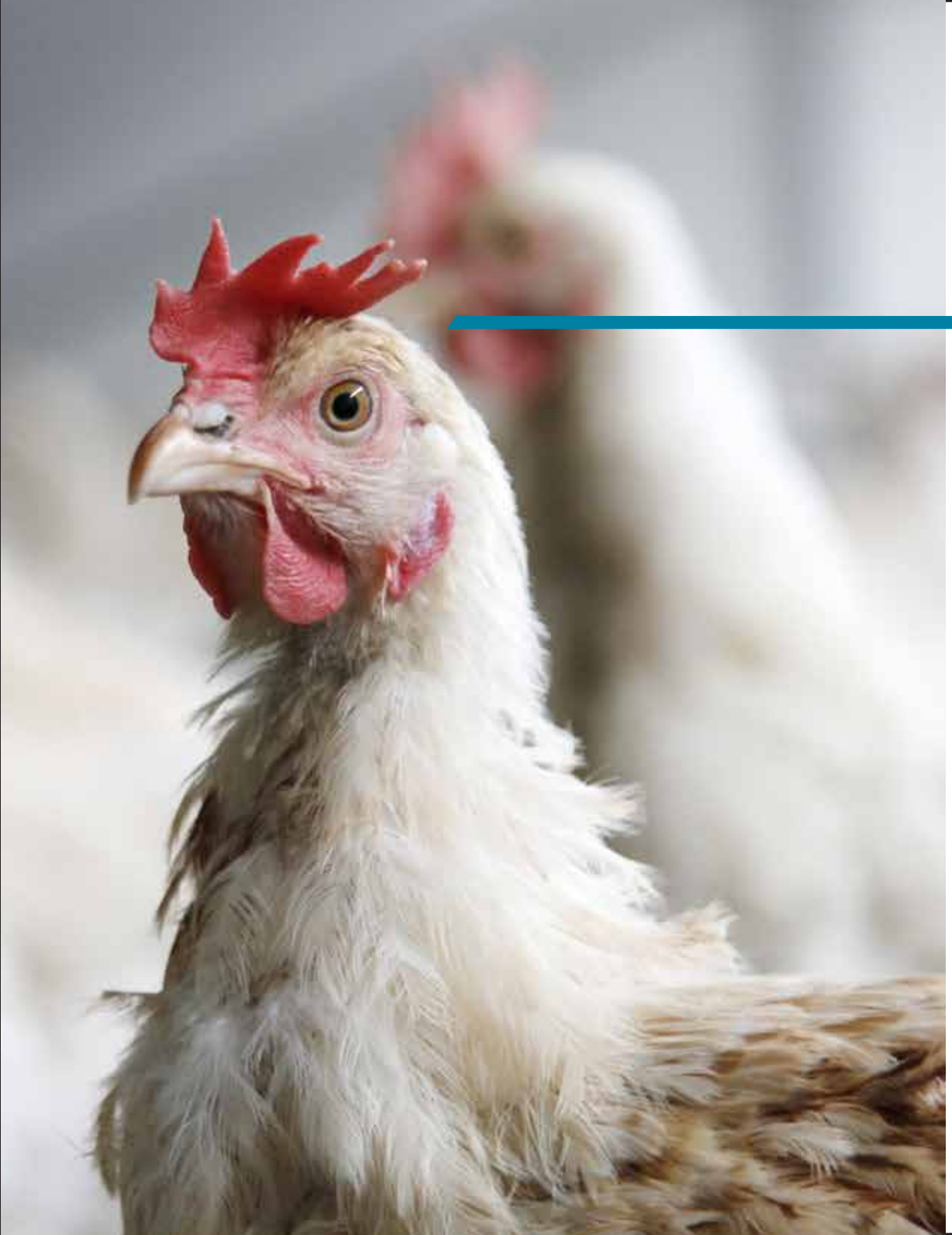
Broiler Buildings

Active Photocatalysis RCI (Radiant Catalytic Ionisation)

PureSEEN by mayzbxl

About us

MayzBXL BVBA is an Innovative platform and international solutions provider pursuit for operational excellence, efficiency and profitability. MayzBXL distinctive solutions are based on creativity, customer centric & intelligent integrations to offer the right technologies and the best business processes reshape that meet our client requirements and needs.



Who are we?

The MayzBXL network offers its end-users needed project skills, the best practices & unique expertise while ensuring the availability of required local support and service to sustain a successful implementation and experience. The leadership team & local partners of a relevant industry work closely together to offer clients thorough vision and practical solutions that meet client expectations.

PURE SEEN

PureSEEN™ Principle

Under the action of UV light (UV-A /UV-C), the catalyst (titanium dioxide TiO2) creates electronic charges on its surface (e- electrons and h+ holes), which react with the dioxygen and water naturally present in the air to form radicals.

PureSEEN™ 20 years experience in 28 countries !

PureSEEN™ technology's Field

- Our technology is the only one that combines up to five nature-based technologies working together to treat indoor air like nature cleans outdoor air.

- Using two types of ionization to reduce particles, UV and a catalyst to create oxygen and hydrogen based friendly oxidizers to reduce microbial contaminants, and low level ozone to reduce odors

- Unlike other products in the market, these air purification products represent active technologies that bring the solution directly to the problem, rather than requiring odors and bacteria to go physically through the unit (passive technology).

Broiler Buildings

Green Technologies to improve:

- N° of Birds/m²
- Disease / health control / Disinfection / Air Purification (ammonia destruction)
- Ventilation control / Air tightness
- Feed conversion ratios
- Energy savings
- Economicial results

N° Birds / m²

Influencing Factors

- Stress levels caused by odors
- Bacteria , virus control
- Disease control by flea infections
- Temperature control
- Humidity controls

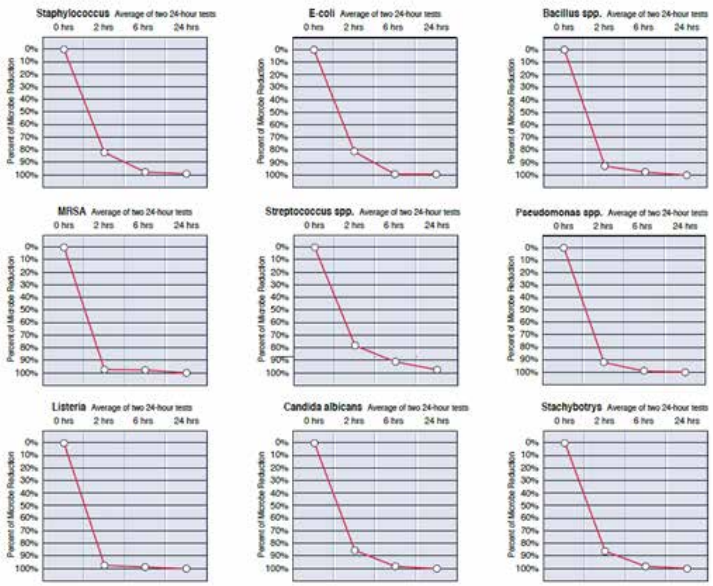
Air / Surface decontamination and deodorisation

Advanced Photocatalytique plasma technology developed by NASA

- Destruction of odors / Ammonia
- Destruction of all organic pollution : bacteria, virus, VOCs, mold….
- Destruction by oxidation of the fleas, and other insects

Effects of PureSEEN™ Technology

On reducing common bacterial and fungi on surfaces in 24 hours tesing



Summary of Test Results -
Biological Reductions using ActivePure:

- Staphylococcus aureus..... 98.5% reduction
- E-coli ..... 98.1% reduction
- Bacillus spp.: ..... 99.38% reduction
- MRSA - Staphylococcus aureus (Methicillin Resistant) ..... 99.8% reduction
- Streptococcus spp.: ..... 96.4% reduction
- Pseudomonas spp.: ..... 99.0% reduction
- Listeria:..... 99.75% reduction
- Candida albicans:..... 99.92% reduction
- Stachybotrys:..... 99.93% reduction

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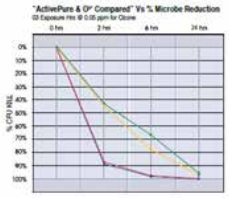
Comparing the effects of ActivPure (RCI) Technology and O3 Technology



Testing by Kansas University.
Field results may vary based on environmental conditions.

- Candida albicans & ActivePure
- Candida albicans & Ozone
- Stachybotrys & ActivePure
- Stachybotrys & Ozone

*Scientific tests have demonstrated the technology in activTek air purifiers can substantially reduce microbial populations on surfaces – including but not limited to Escherichia coli, Listeria monocytogenes, Streptococcus spp, Pseudomonas aeruginosa, Bacillus spp., Staphylococcus aureus, Candida albicans, and S. chartarum. These products are not intended to diagnose, treat, or cure any disease.

Made to Measure Equipment

- Made to measure
- Inserted before or in the ventilation system

- Approved and used by

Case History

Before:

- Cycle 45 days
- 20% live stock replaced during cycle

After: (Use of immediate and continuous disinfection)

- Cycle reduced to 40 days
- 3% live stock replaced

Economic Advantages:

- Lower live stock replacement costs
- Lower feed stock costs
- Lower energy costs
- Increased number of cycles / year
- Reduced use of antibotics
- Increased Disinfection levels – Air & Surface
- Increased pest control

The Green Degreasing & Disinfection kit

- Bio - degreasant
- Short term disinfection
  - Bio - disinfection
- Continuous disinfection 24/24
  - Photocatalytic Reactors

Pure Seen

Green Technologyies

J. E. Mommaertslaan 22, 1831 Diegem, Belgium

mayzBXL