

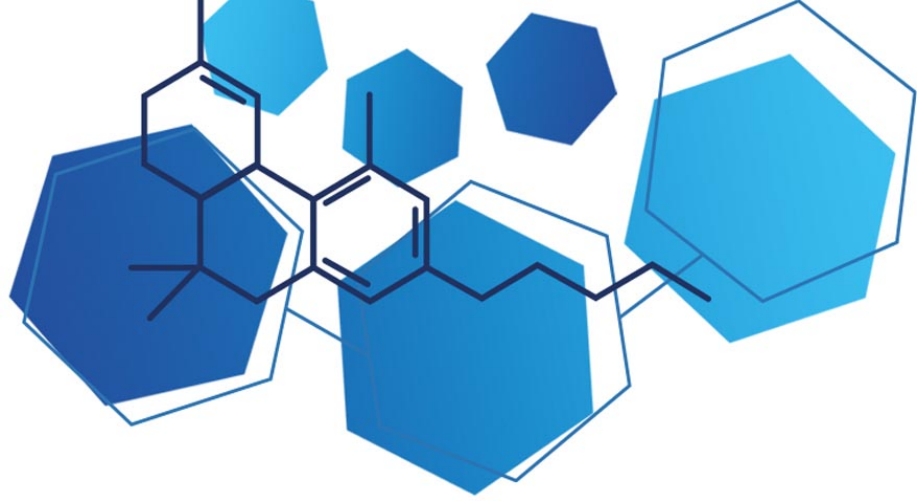
Sustainable Future in Disinfection

A chemical- and residue-free solution for all areas of healthcare

Presented by: ISTVAN MOHOS

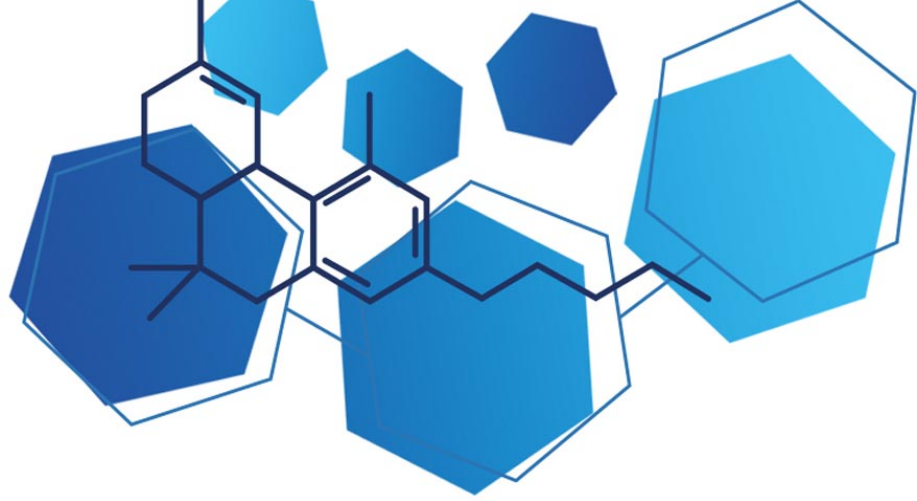
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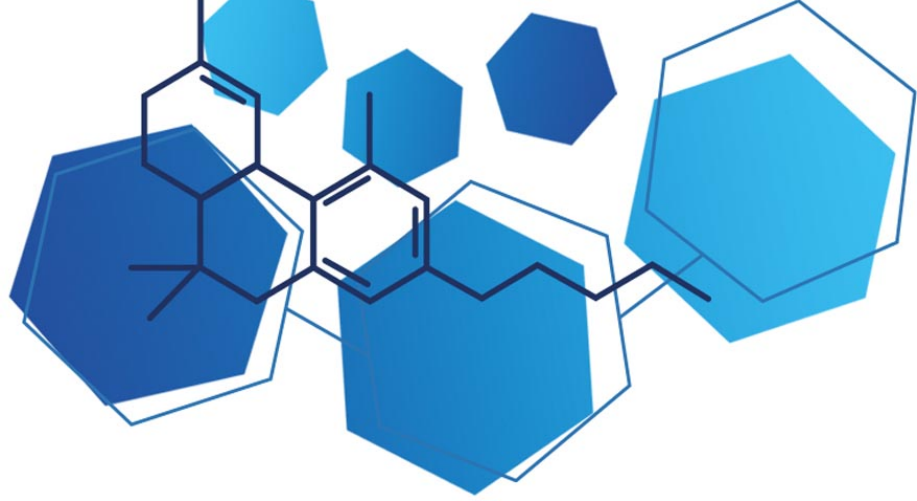
Key Topics

1. Disinfection problems in healthcare
2. Development of a uniform solution: ExOzone
3. What is ozone?
4. How can ExOzone technology assure desired levels of disinfection?
5. Competition vs. ExOzone
6. References
7. Q&A



Disinfection Problems in Healthcare

1. Healthcare-Associated Infections (HAIs):
 1. avg. 2M cases / Yr,
 2. estimated 90,000 death,
 3. direct cost of HAIs to hospitals: \$28B to \$45B
2. Limited number of approved disinfectants
3. High risk of human exposure
4. Fast turnover time
5. Reliance on manual disinfection and chemicals
6. Resistant superbugs

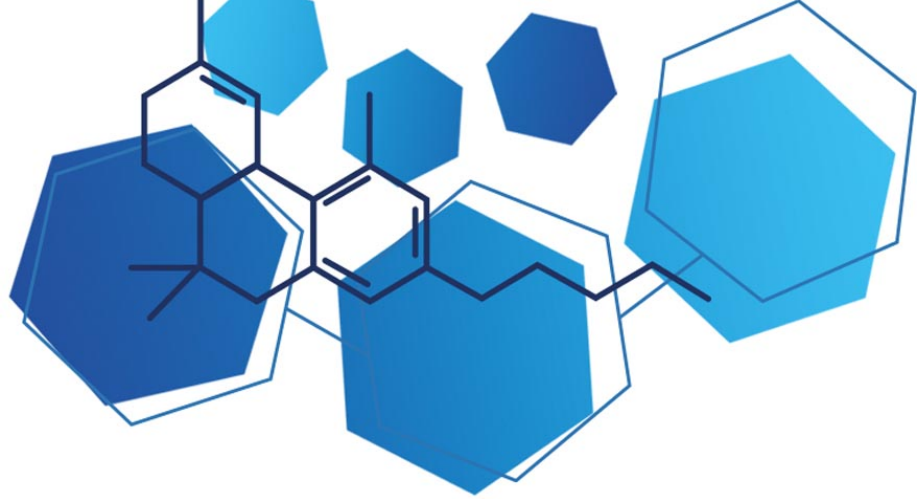


1. Team of chemical and electric engineers
2. 14 years of research and development
3. Focus on sustainable, chemical-free, mobile, versatile, automatic system
4. 1 breakthrough – 100 times more concentration, industrial air-flow
5. 2 patents, 4 years proof of concept tests
6. ExOzone brand appliance range
7. Industry adaptation: food and ag, health, commercial

Uniform Solution: ExOzone

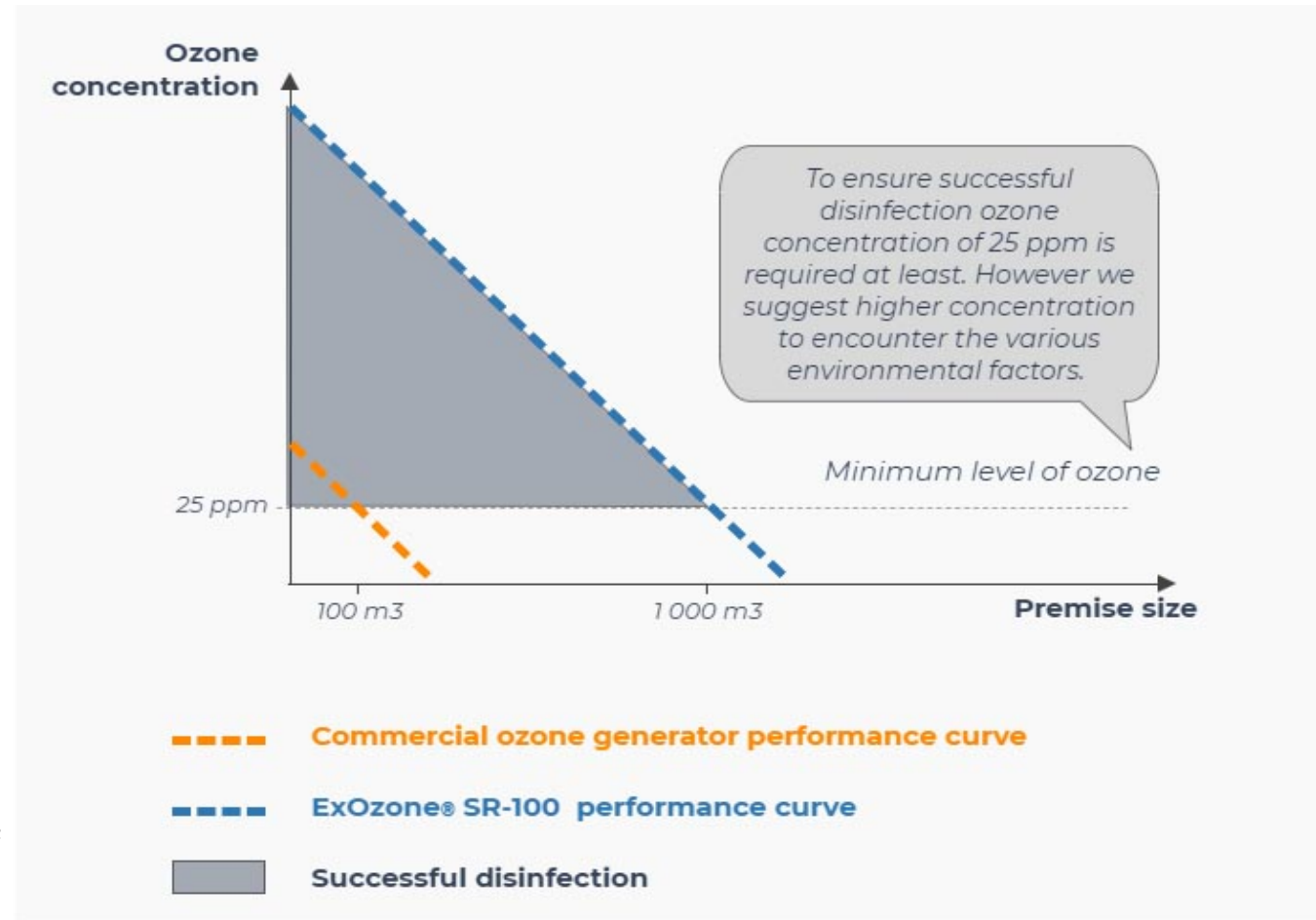


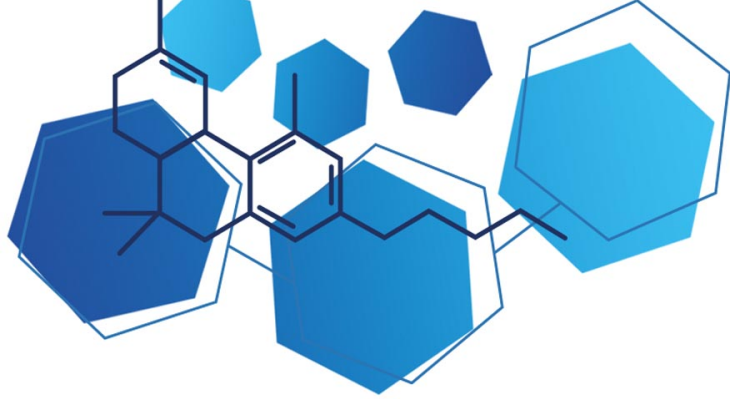
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What is ozone gas?

1. What is ozone?
2. How do we generate it?
3. How much ozone are we generating?
4. How much ozone is needed?
5. Why ozone is the most efficient disinfecting agent?
6. Why gaseous treatment at high air-flow is the most efficient?
7. Is ozone toxic?



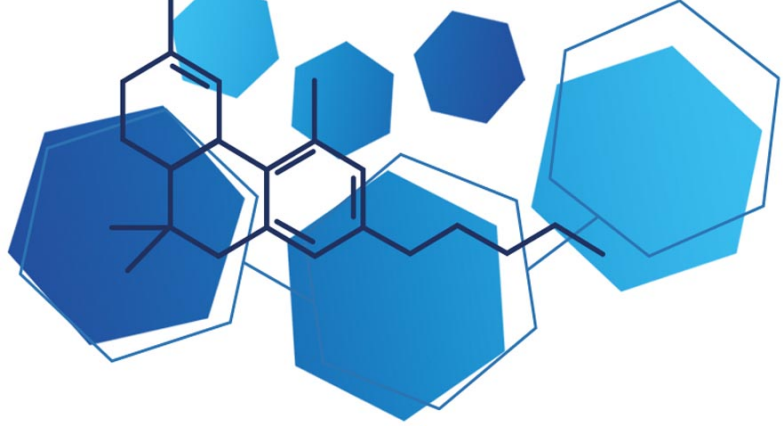


How does ExOzone solve disinfection problems?

1. Gaseous disinfection, no residue
2. Strongest disinfection agent made from ambient air
3. Impossible to develop resistance to it
4. Economic operation, negligible running costs
5. Industrial scale: high ozone and air output
6. Computer controlled, mobile devices
7. Safe: Ionizer during the day, disinfectant at night



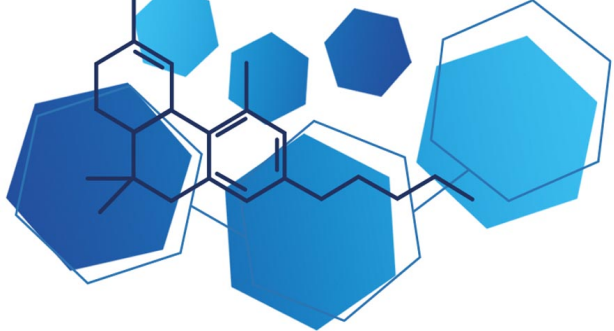
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Competition vs. ExOzone

FUNCTIONALTY COMPARISON

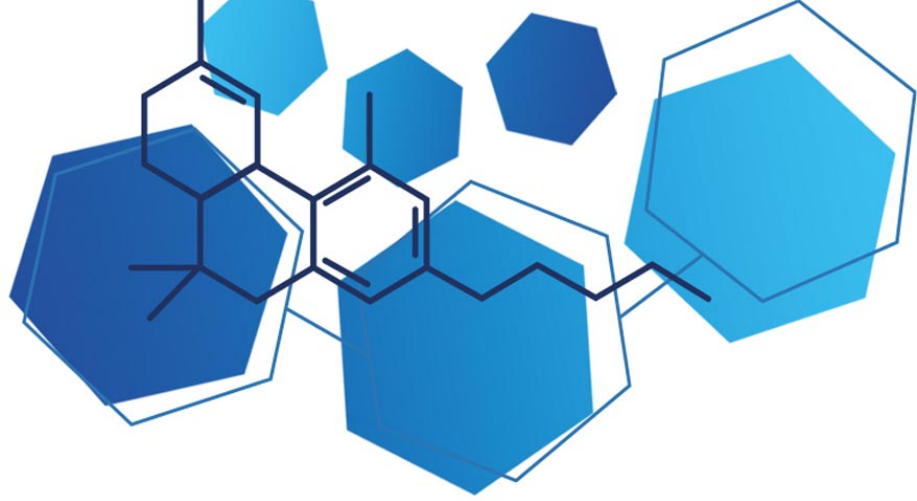
EQUIPMENT	EXOZONE SR500.4L	SANDYNE PREMIUM UV-C	CLORDISYS MINIDOX-M ClO2	VHP 1000-ARD
Easy plug-n-play	✓	✓	✗	✗
Self-sufficient (no auxilliary fans required)	✓	✓	✗	✗
No consumables needed	✓	✓	✗	✗
No HAZMAT	✓	✓	✗	✗
Full range	✓	✗	✓	✗
Uniform distribution	✓	✗	✓	✗
Oxidation potential	2.07	1.92	0.95	1.78
Log-reduction	Log-8	Log-6	Log-6	Log-5



References

- Rolling Plains Memorial Hospital, TX
- Mitchell County Hospital, TX
- EU Center for Disease Prevention, HU
- Premium Hospital Kutvolgy, HU
- Prince William Medical Center, VA
- B.Braun Medical Equipment, DE





QUESTIONS...