



FEASIBILITY AND BENEFITS REPORT

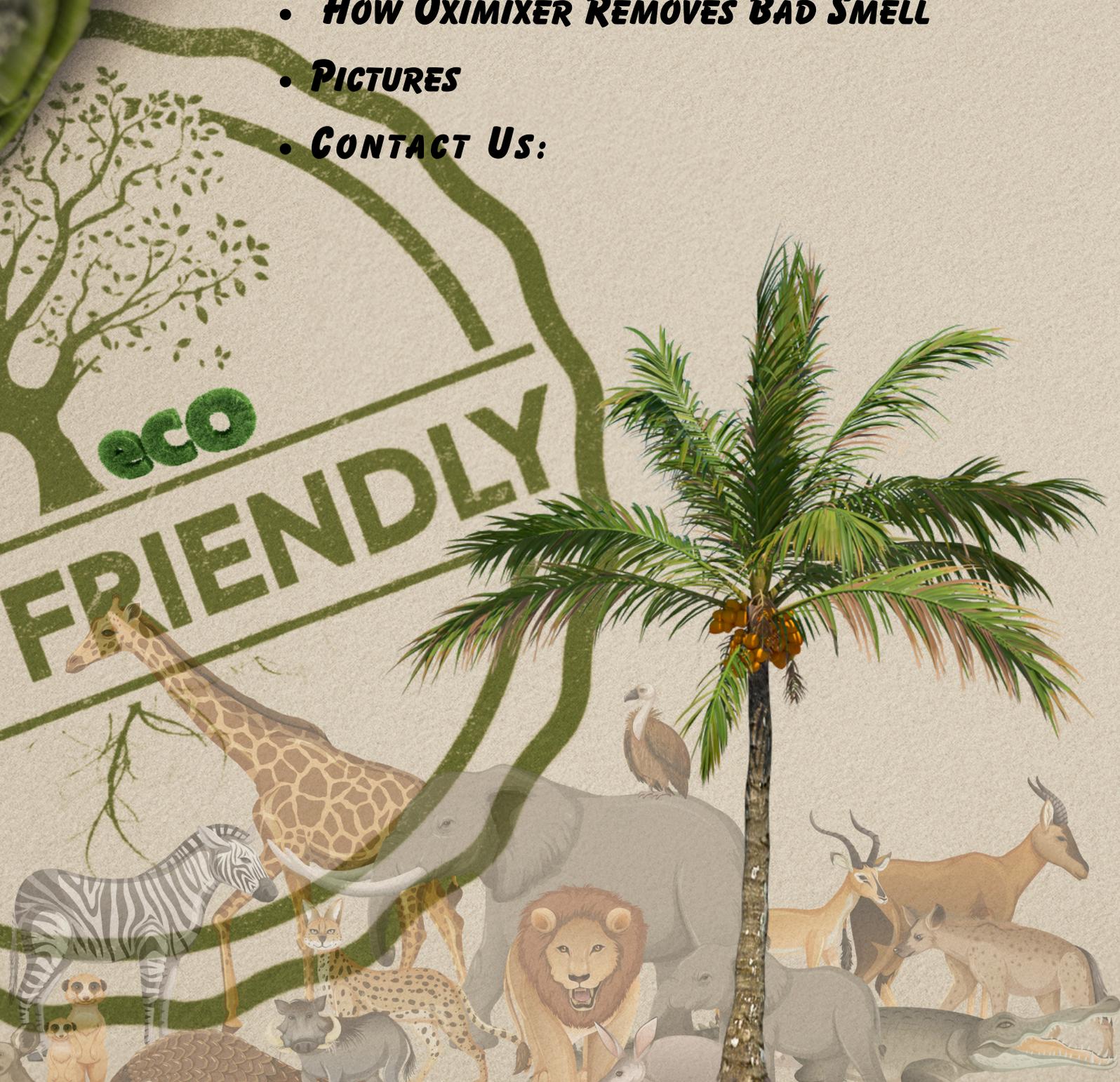
FOR

ZOO



SAY GOOD BYE TO BAD SMELL FROM ZOO

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Advanced Air Quality Management for Animal Facilities

The Oximixer is an innovative, automated air purification system designed to create a healthier environment for animals, staff, and visitors by removing bad odors, harmful gases, and airborne pathogens—without using any chemicals.

Using advanced ozone-based oxidation and smart sensor technology, the Oximixer continuously monitors the air for pollutants such as ammonia (NH₃), hydrogen sulfide (H₂S), and carbon dioxide (CO₂). When elevated levels are detected, the system activates to safely neutralize odors and kill bacteria, viruses, and fungi in the air and on surfaces.

Whether it's a zoo, barn, veterinary hospital, greenhouse, rendering plant, waste treatment plant, ETP/STP, hotel, hospital or animal shelter, the Oximixer helps replicate a clean, natural, forest-like environment where animals can breathe easily, digest better, and live stress-free.

Key Features:

Chemical-free odor elimination using ozone + oxygen

Real-time air quality monitoring with intelligent sensors

Kills 99.9% of airborne pathogens

Reduces antibiotic use by improving animal immunity

Mobile app connectivity for remote control and monitoring

Eco-friendly and energy-efficient design

The Oximixer is not just an odor control system—it's a complete air quality solution that supports employees, visitors and animal health, biosecurity, and sustainable facility management.

Oximixer: Chemical-Free Odor Removal with a Money-Back Guarantee

The Oximixer is an advanced air purification system that removes bad smells without using any chemicals. It works by releasing controlled levels of activated oxygen (ozone), which naturally oxidizes and neutralizes odor-causing compounds like ammonia, hydrogen sulfide, and volatile organic compounds (VOCs).

100% Chemical-Free – Safe for Animals, Staff & Environment

No artificial fragrances

No harsh cleaning agents

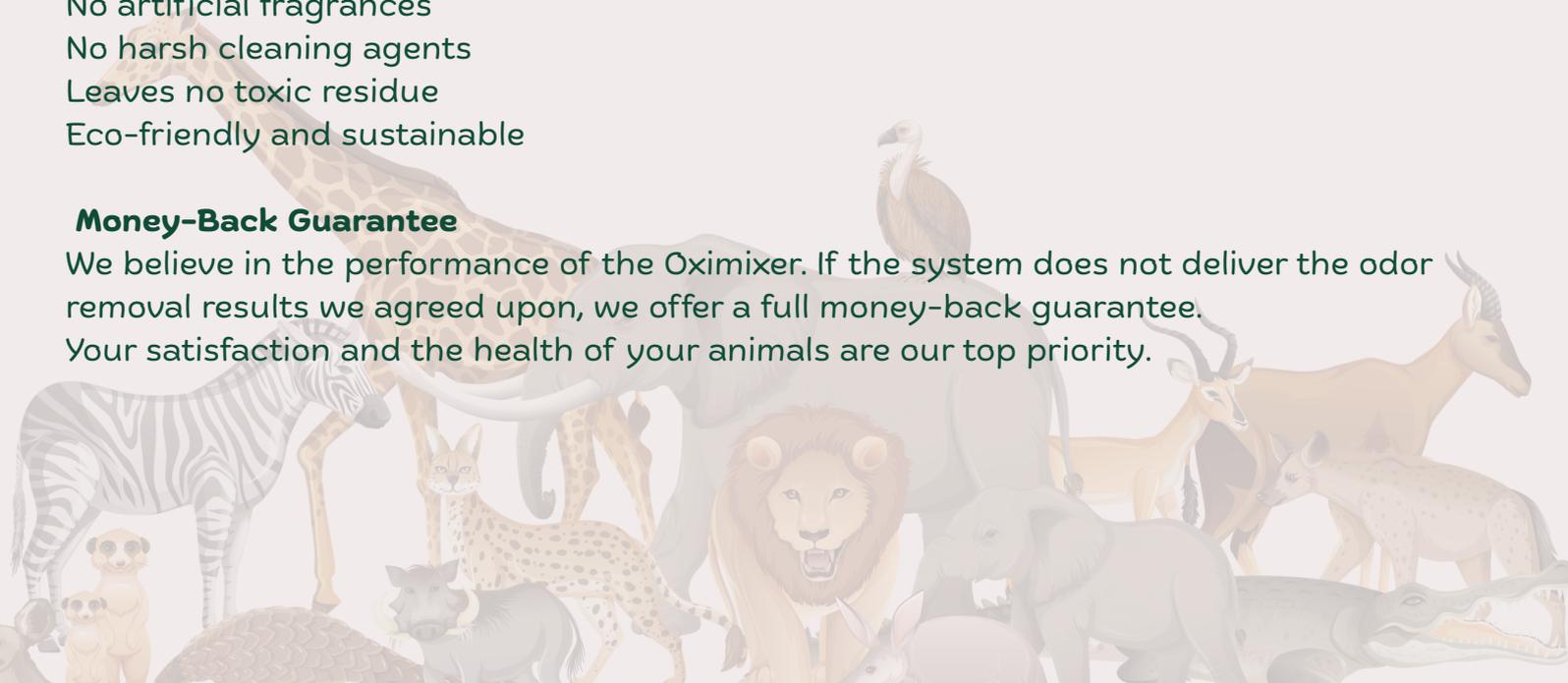
Leaves no toxic residue

Eco-friendly and sustainable

Money-Back Guarantee

We believe in the performance of the Oximixer. If the system does not deliver the odor removal results we agreed upon, we offer a full money-back guarantee.

Your satisfaction and the health of your animals are our top priority.



Feasibility and Benefits Report:

Improving Air Quality in Animal Barns Using the Oximixer System

1. Problem Overview: Poor Air Quality in Barns

Poor air quality, especially due to ammonia (NH_3) and hydrogen sulfide (H_2S) released from animal urine, feces, and bedding, poses a major threat to animal health and productivity in barns, zoos, and greenhouses.

Key Air Pollutants:

- Ammonia (NH_3): Causes eye, skin, and respiratory irritation.
- Hydrogen sulfide (H_2S): Highly toxic even at low concentrations; causes respiratory inflammation.
- Carbon dioxide (CO_2): Displaces oxygen, affecting metabolism and energy levels.
- Pathogens & VOCs: Poor ventilation leads to buildup of airborne bacteria and viruses.

2. Impact on Animal Health and Productivity

Problem Effects on Animals

High ammonia & gas exposure Eye/nasal irritation, reduced feed intake, coughing
Respiratory inflammation Bronchitis, pneumonia, chronic breathing problems
Poor digestion Toxin-induced gut imbalance, low nutrient absorption
Weakened immunity Frequent infections, increased antibiotic use
Reduced growth rate Weight loss, low feed conversion efficiency (FCR)
Higher mortality Deaths from infection or chronic stress

Note: Ammonia not only harms respiratory health but disrupts digestion by promoting harmful bacteria that reduce nutrient absorption.

3. Solution: The Oximixer Air Quality Management System

The Oximixer is an automated air purification system designed to monitor, neutralize, and disinfect barn air in real-time using advanced ozone-based oxidation and smart sensors.

Core Features:

Feature Benefit

Real-time gas detection (NH_3 , H_2S , CO_2) Continuous monitoring of harmful gas buildup
Automated ozone release Neutralizes gases and odors using controlled ozone output
Pathogen disinfection Kills bacteria, viruses, and mold spores in the air and on surfaces
Mobile app connectivity Remote monitoring and control of air quality
Ventilation integration Works with fans and HVAC for optimized airflow

4. Benefits of Oximixer Use in Animal Barns

Benefit Area Result

Animal health Reduced respiratory and digestive diseases
 Growth performance Better feed efficiency, faster weight gain
 Antibiotic reduction Less need for medication, stronger natural immunity
 Worker safety Lower gas exposure, fewer sick days
 Environmental quality Reduced odor complaints, improved public perception
 Operational control Remote access and alert system for better farm management
 With clean air, animals can digest more effectively and grow faster using less feed.

5. Feasibility & ROI Considerations

Factor Notes

Initial investment Moderate – depends on facility size and ventilation needs
 Running cost Low – ozone generation and sensor monitoring are efficient
 ROI timeline 6-12 months via reduced vet bills, better growth, and less feed use
 Scalability Suitable for farms, zoos, and animal hospitals of all sizes

6. Scientific Basis

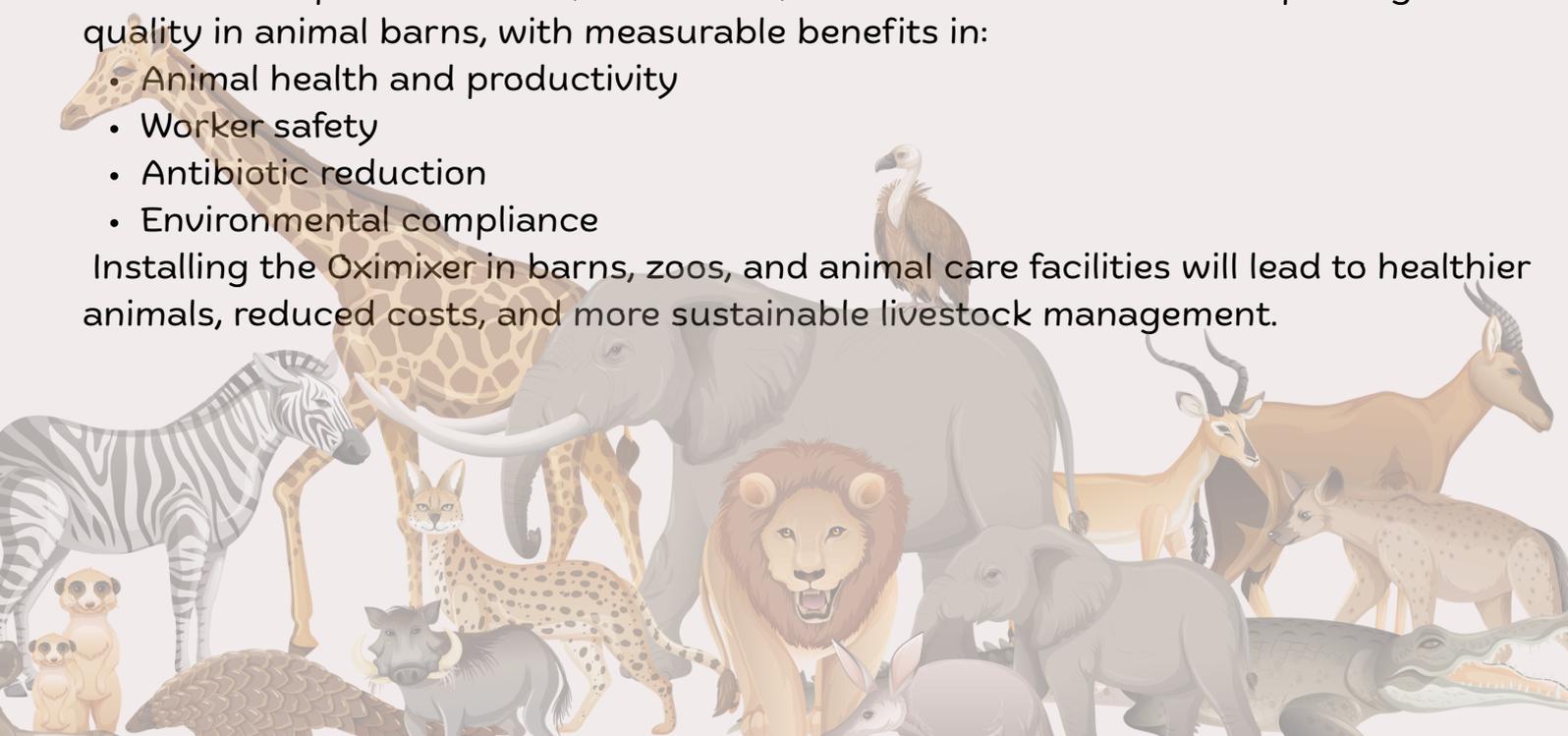
Ozone (O₃) reacts with NH₃ and H₂S via oxidation, breaking them into harmless byproducts like nitrogen, oxygen, sulfur dioxide, and water.
 Neutralizes 99.9% of airborne pathogens (e.g., E. coli, Salmonella, avian flu viruses).
 Reduces harmful microbial biofilms on surfaces without chemicals.

7. Conclusion

The Oximixer provides a safe, automated, and effective solution for improving air quality in animal barns, with measurable benefits in:

- Animal health and productivity
- Worker safety
- Antibiotic reduction
- Environmental compliance

Installing the Oximixer in barns, zoos, and animal care facilities will lead to healthier animals, reduced costs, and more sustainable livestock management.



KEY FEATURES**How Odor Removal Transforms Zoo Environments and Animal Wellbeing.**

When harmful gases like ammonia and hydrogen sulfide are removed from zoo enclosures, the air becomes clean, fresh, and more like the natural environment animals would experience in the wild—such as the forest, savanna, or mountain air.

1. Natural Comfort, Like the Wild

Without the stress of strong odors, animals can relax and behave more naturally, as they would in their native habitat.

This encourages normal grooming, play, feeding, and social behaviors, which are essential for mental wellbeing.

2. Happiness and Emotional Balance

Animals are highly sensitive to smells. Removing bad odors reduces stress, improves mood, and enhances their emotional stability.

Stress hormones decrease, allowing animals to feel safe, calm, and content.

3. Healthier Respiratory System

Clean air means animals breathe better, with reduced risk of respiratory infections and irritation.

Better oxygen intake improves blood circulation, energy, and brain function.

4. Stronger Digestive System

In clean environments, animals experience less toxin buildup and bacterial stress on their gut.

Digestion improves, leading to better nutrient absorption, more energy, and improved growth and immunity.

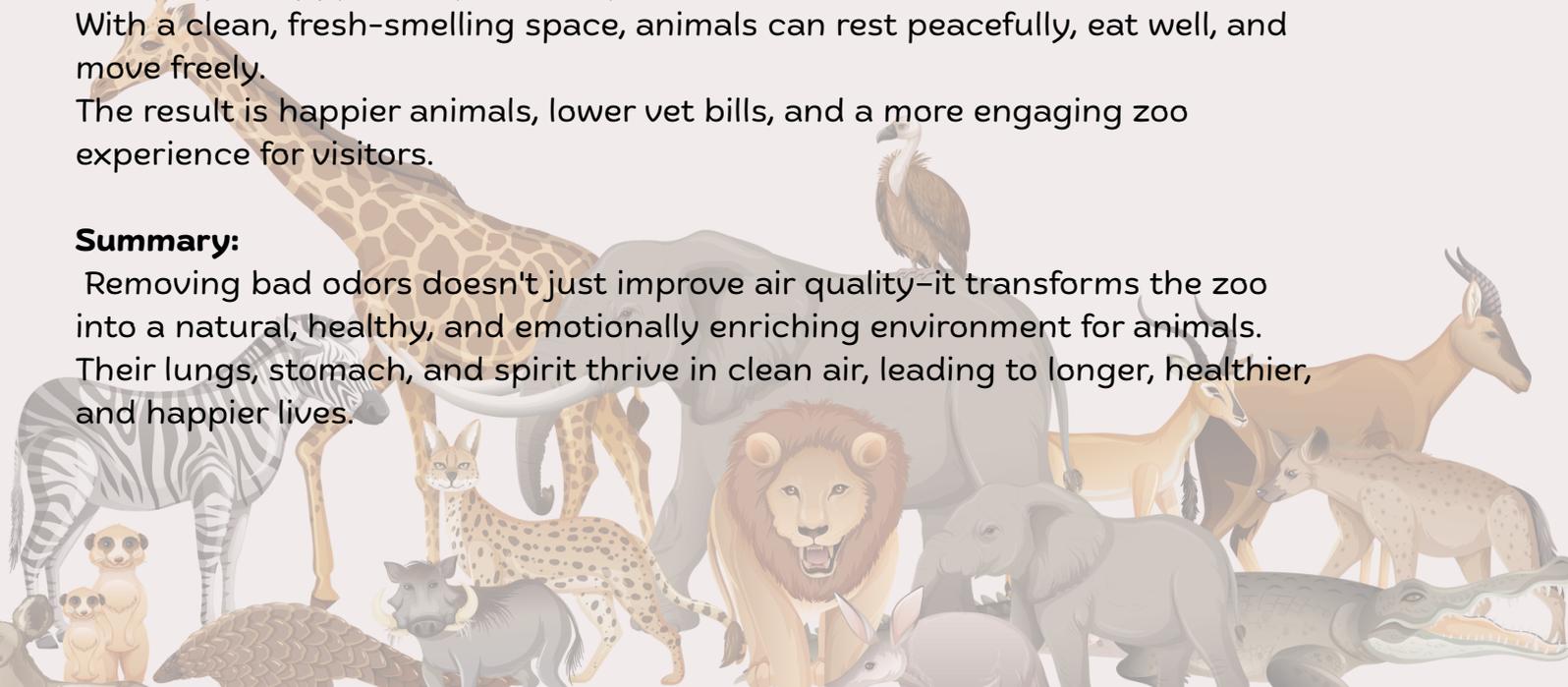
5. Always Happy, Always Healthy

With a clean, fresh-smelling space, animals can rest peacefully, eat well, and move freely.

The result is happier animals, lower vet bills, and a more engaging zoo experience for visitors.

Summary:

Removing bad odors doesn't just improve air quality—it transforms the zoo into a natural, healthy, and emotionally enriching environment for animals. Their lungs, stomach, and spirit thrive in clean air, leading to longer, healthier, and happier lives.



WHAT WE OFFER

A Bad Smell-Free Zoo Facility:

A Clean, Healthy, and Natural Habitat for Animals and Visitors

Modern zoos are more than just places to observe wildlife—they are sanctuaries for conservation, education, and animal wellbeing. One of the most critical aspects of zoo facility management is odor control, which directly impacts animal health, staff comfort, and the visitor experience.

What Is a Bad Smell-Free Zoo Facility?

A Bad Smell-Free Zoo Facility uses advanced air purification technologies—such as the Oximixer—to maintain clean, fresh-smelling air in all animal enclosures, indoor habitats, veterinary areas, and visitor pathways.

Key Features:

- **Odorless Environment:** Eliminates ammonia, hydrogen sulfide, and other unpleasant odors from animal waste and enclosures.
- **Chemical-Free System:** Uses natural ozone oxidation—no sprays, no artificial perfumes, no harmful residues.
- **Real-Time Monitoring:** Sensors detect and neutralize harmful gases automatically.
- **Improved Air Circulation:** Enhances respiratory and digestive health for animals.
- **Better Working Conditions:** Protects zookeepers from gas exposure and discomfort.
- **Enhanced Visitor Experience:** Encourages longer stays, more engagement, and positive reviews.

Benefits for Animals

Cleaner, forest-like air that reduces stress and promotes natural behaviors

Healthier lungs, better digestion, stronger immunity

Reduced need for antibiotics and medications

Benefits for Staff

Safe and pleasant work environment

Lower risk of respiratory irritation or long-term exposure to gases

Benefits for Visitors

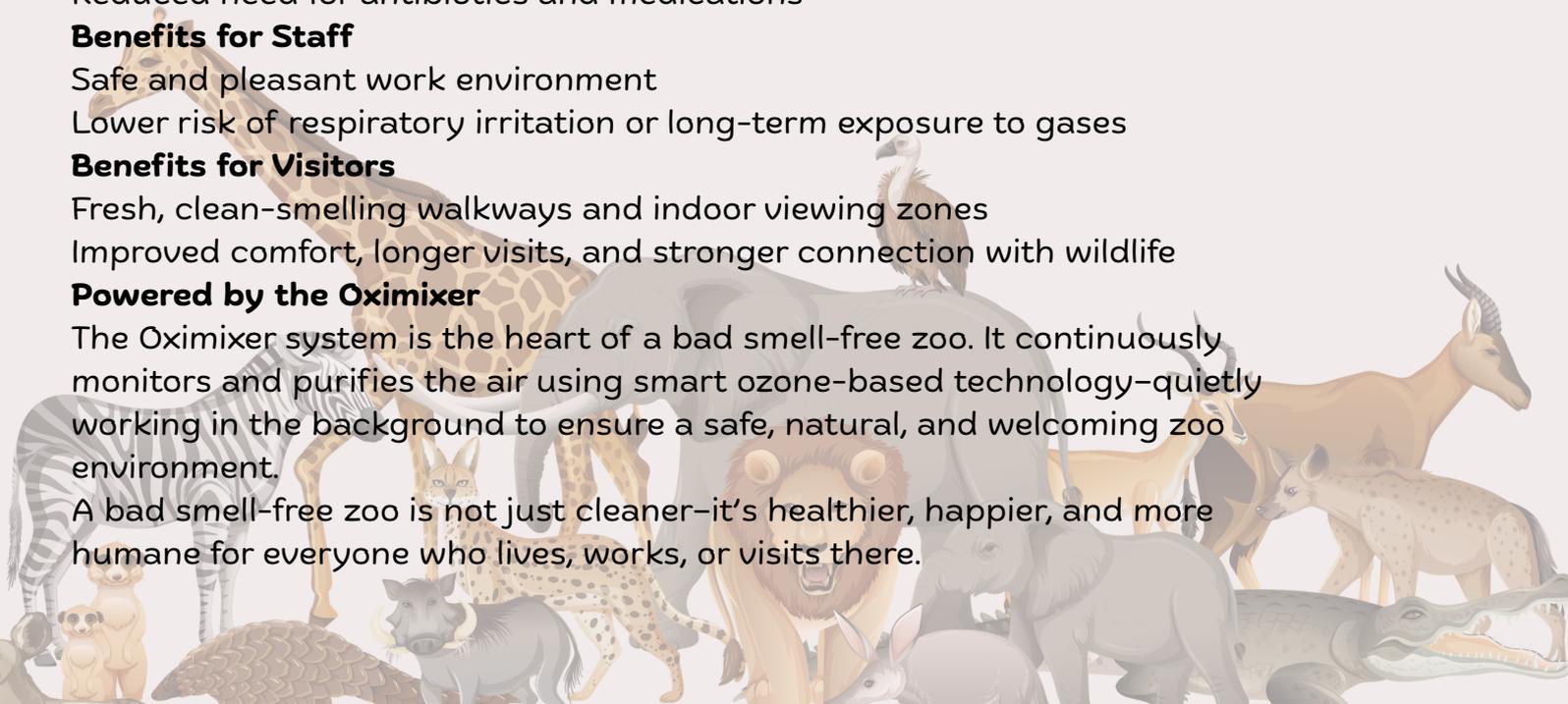
Fresh, clean-smelling walkways and indoor viewing zones

Improved comfort, longer visits, and stronger connection with wildlife

Powered by the Oximixer

The Oximixer system is the heart of a bad smell-free zoo. It continuously monitors and purifies the air using smart ozone-based technology—quietly working in the background to ensure a safe, natural, and welcoming zoo environment.

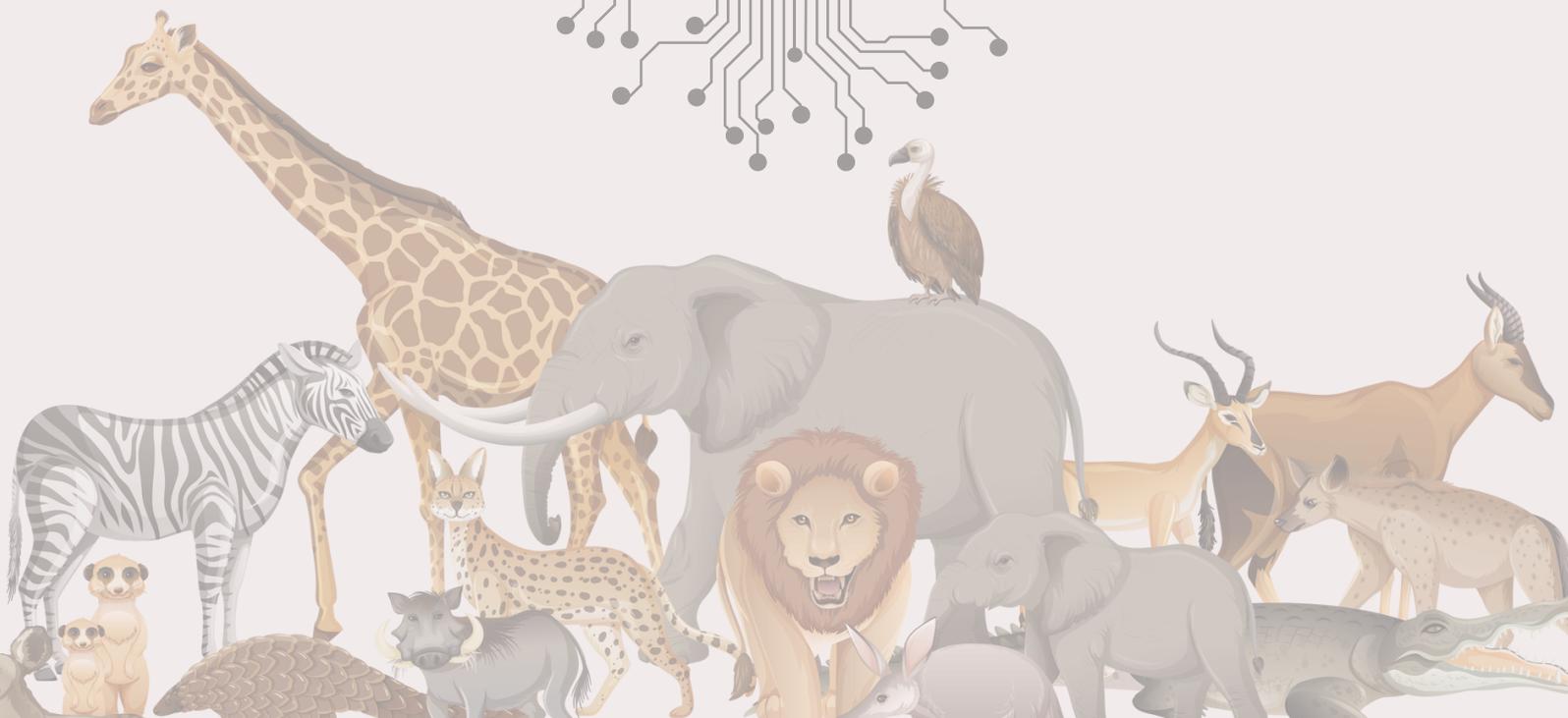
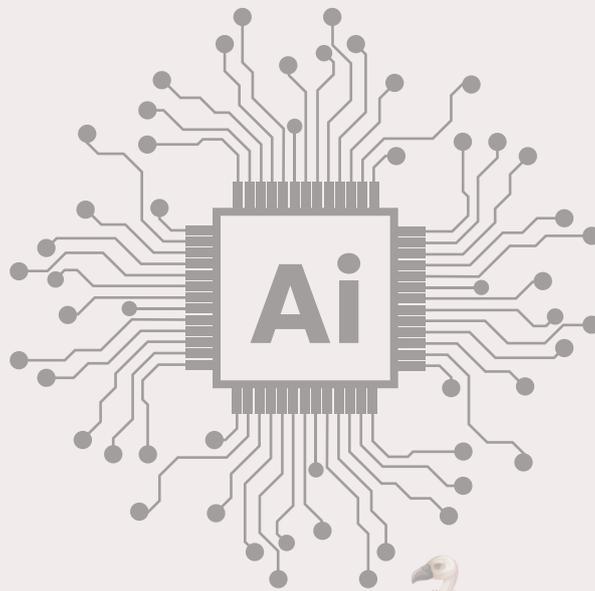
A bad smell-free zoo is not just cleaner—it's healthier, happier, and more humane for everyone who lives, works, or visits there.



TECHNICAL SPECIFICATIONS

Feature Details

- Odor Control Technology: Hybrid O/O3 + Active Ion Neutralization
- Air Quality Sensors PM2.5, PM10, Ammonia (NH₃), Hydrogen Sulfide (H₂S), VOCs, CO₂
- Control Interface: AI, Wifi, Touch Panel + Remote IoT Dashboard (cloud-based)
- Coverage Area: as per requirement and design
- Power Supply 220–240V AC, 50/60Hz
- Power Consumption 50W–800W (depending on model)
- Material & Housing: Japan Steel + Anti-Corrosive Polymer Coating
- Operating Temperature -10°C to +55°C
- Humidity Tolerance 15%–95% RH
- Noise Level <55 dB
- Installation Options: Wall-mounted / Floor-standing / Integrated with HVAC or exhaust duct. can be design as per location
- Maintenance Interval Every 6 months (filter & module inspection)
- Warranty 1 Years (Extended plans available)



PRODUCT PICTURES

ELIMINATE ODORS IN HOTEL ROOMS — NATURALLY AND EFFECTIVELY

Create a fresh, healthy environment your guests will appreciate – without using any chemicals.

With our innovative solution, you can remove unpleasant odors from hotel rooms in just 15 minutes. No sprays, no liquids, and absolutely no added chemicals required.



BIO-FREEZER, A COST EFFECTIVE ALTERNATIVE TO TRADITIONAL FREEZER FOR WASTE STORAGE AND WASTER CARRIER VEHICLE.

The world's first bio-freezer was manufactured by OXIMIXER. The bio-freezer can be installed in vehicles carrying poultry waste, fish vehicles, and waste storage rooms to eliminate odors with a 100% guarantee.

OXIMIXER - ELIMINATOR

Odor pollution problems and solutions for rendering plant,Pig,Cow Farm
Fish Farm,poultry farm,fish farm,mall,hospital,party hall.production company etc.



OXIMIXER - For STP/ETP

Odor pollution problems and solutions for waste water treatment plant,swimming pool,water filtration etc.



OXIMIXER - ELIMINATOR

Odor pollution problems and disinfectant for home, Toilet, chicken stall, office, kitchen, bedrooms etc.



INLET FAN

A Fan to Cool Home Naturally.



EMPOWERING ENTERPRISES

K-Swift
Single Window Interface for Fast & Transparent Clearance



مركز الاعتماد الخليجي
GCC ACCREDITATION CENTER





OUR VISION

Clean & Direct

01

OUR VISION IS A WORLD WITHOUT BAD SMELLS — A WORLD WHERE EVERY BREATH IS FRESH, CLEAN, AND HEALTHY.

Inspiring & Aspirational

02

WE ENVISION A FUTURE WHERE CLEAN AIR IS A UNIVERSAL STANDARD, AND BAD ODORS ARE A THING OF THE PAST.

Short & Memorable

03

A WORLD WITHOUT BAD SMELLS. THAT'S OUR VISION.

Tech-Focused

04

OUR MISSION IS TO ELIMINATE ODOR POLLUTION THROUGH INNOVATION — BECAUSE WE BELIEVE A WORLD WITHOUT BAD SMELLS IS NOT JUST POSSIBLE, BUT NECESSARY.



**THANK
YOU!**

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