

AS SEEN ON

**SHARK
TANK
INDIA**

ekam

Revolutionizing
sustainable sanitation,
addressing critical
issues related to water
wastage and
pollution.

Ekam Eco Solutions Pvt. Ltd.

(an IIT Delhi partnered venture)

www.ekameco.com | shop.ekameco.com | www.zerodor.in



**INDIA
DESIGN
MARK**
awarded in 2019





CELEBRATE
A DECADE
PLANET
POSITIVE
IMPACT

Ekam Eco Solutions, founded in 2013, is a research spinoff of IIT Delhi's works on Sanitation. Over five thousand man hours of research on Sanitation forms the backbone of this organization. Ekam is a Sanskrit word meaning Oneness and Interconnectedness. Ekam's approach is based on the fundamental principles of Happiness, Simplicity and Positivity.

Ekam focuses on developing sustainable technologies and solutions to conserve water and convert waste into resource using natural means.

The global market size of sanitation and waste management combined together is expected to reach over USD1,000 Billion by 2024. Most of the organizations working in this sector focus on sanitary ware & receptacles but not the technologies that go behind them. Ekam is committed to bridging this gap and becoming a trusted and credible brand in this untapped market.

Supporting organizations



IIT Delhi



Confederation
of
Indian Industry



Wallonia.be
Belgium



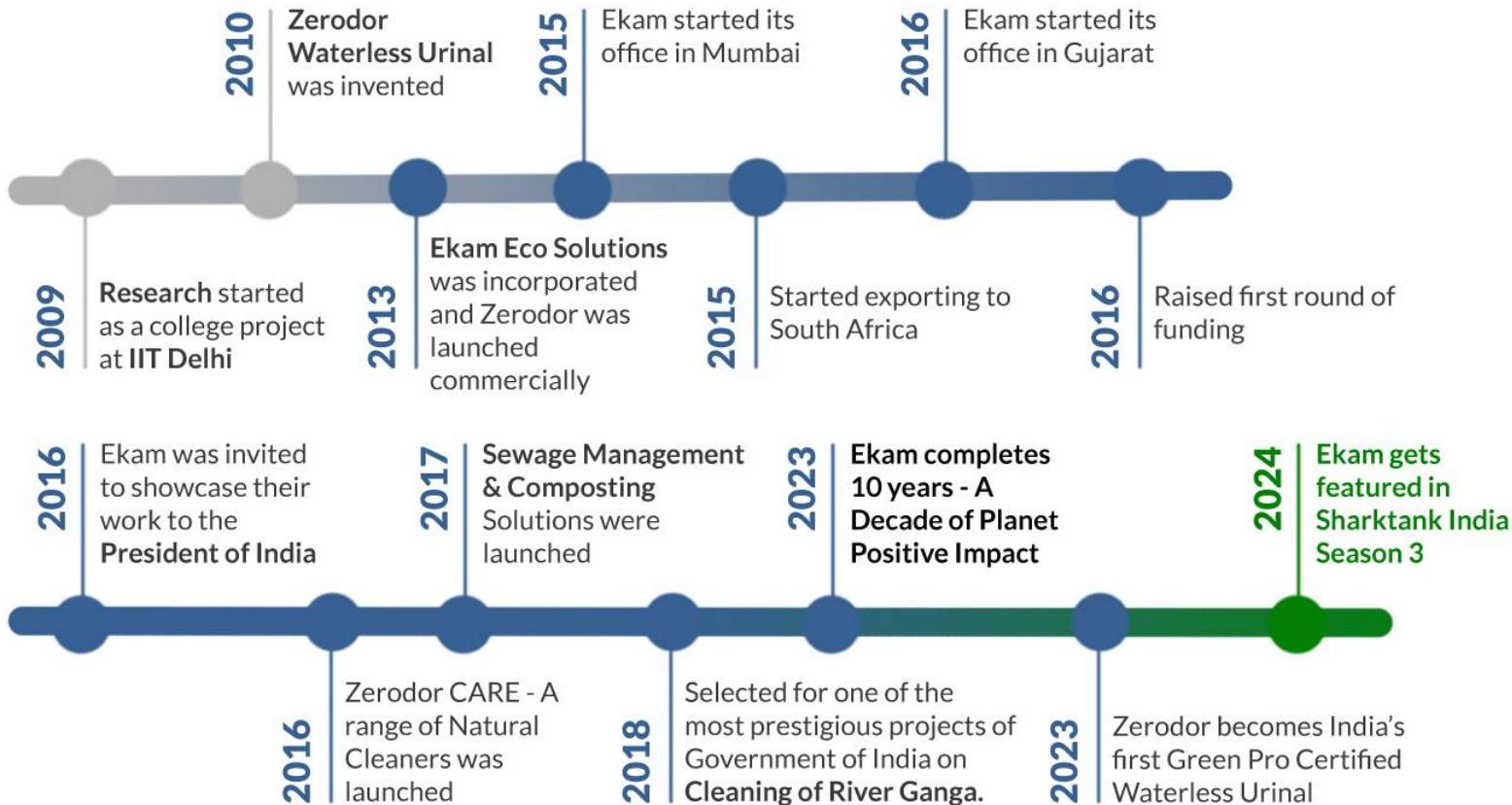
Samagra



Ministry of
Urban Development



JOURNEY



OFFERINGS

ekam



WATERLESS URINALS

RETROFIT DESIGN | COMPATIBLE WITH ALL URINALS



WASTE MANAGEMENT

STP | SEPTIC TANK | BIO REMEDIATION OF WATER BODIES



FOOD WASTE COMPOSTING

RESTAURANTS | KITCHENS | CANTEENS | HOMES



NATURAL CLEANERS

TOILET | FLOOR | DRAIN | FABRIC

WATERLESS URINALS

Zerodor is one of the most awarded waterless urinal technology and is India's first and only Certified Green Product in its category. It can be retrofitted to any conventional urinal pan with a waste coupling.

This kit has a patented mechanical system which allows the urine to flow into the drain line but does not allow the odor causing gases to come back into the restroom. This allows the urinals to operate without flushing.



India's 1st
Green Pro Certified
Waterless Urinal



zerodor

- Saving of Plumbing required for Flushing.
- Savings in Flushing Sensors and Related Hardwares.
- Odorless and Refreshing Washroom Environment without the use of any Chemical.
- Savings in Water pumping costs due to reduced expenses in electricity & maintenance.
- Reduction in STP load.
- Lesser STP Operational costs.
- Lower Sewerage Volume Cost.
- LEED Certification and Green Building Ratings.
- Savings on plumbing maintenance.
- Lower Carbon Footprint
- Preservation of Natural and Precious Resources



Saves over
1.5 Lakh liters
of water



No consumable,
No cartridges,
No chemicals



No power
required



Easy & Low
maintenance



Easy to
clean



Saves
money



Retrofit design,
Compatible with
all urinals



Fresh &
odor free



NATURAL CLEANERS

On an average, there are more than **150 toxic substances** linked to **Cancer** that float around our homes and offices from **Conventional Chemical Cleaning Products**. These chemicals are extremely harmful to our families, pets and the environment.

TOP 10 REASONS OF INDOOR AIR POLLUTION

Indoor air pollution is the degradation of indoor air quality by harmful chemicals and other materials; it can be up to **10 times worse than outdoor air pollution**. While immediate effects can include **Irritation of the Eyes, Nose, and Throat, Headaches, Dizziness, and Fatigue**, long term effects can even lead to **Respiratory diseases, Heart disease and Cancer** and **SICK BUILDING SYNDROME (SBS)**.

- 1 Molds & Bacteria
- 2 VOCs from Building Materials
- 3 Fumes from Paints & Solvents
- 4 Chemicals from Cleaning Products
- 5 Outdoor Air Pollutants
- 6 Cigarette & Tobacco Smoke
- 7 Animal Hair & Dander
- 8 Dust Mites
- 9 Combustion Gases
- 10 Carbon Monoxide



Certified Green Products



India's 1st Home Hygiene Brand with Net Zero Plastic Footprint



Zerodor CARE Natural Cleaners are proprietary blend of non-pathogenic micro organisms that act on the root of the problem to clean the dirt and stains. These are 100% biodegradable, safe and natural and are certified by CII-IGBC Green Pro. Unlike harsh chemicals, Zerodor CARE products understand the natural cycle of degradation and are very effective in cleaning different surfaces. Zerodor CARE products are completely safe for kids, pets and the mother earth.

PRODUCT RANGE

1. FLOOR CLEANER
2. TOILET CLEANER
3. HAND WASH
4. STAIN REMOVER
5. FRESHENER / ODOR REMOVER
6. LAUNDRY WASHING LIQUID
7. DISH WASHING LIQUID
8. DRAIN CLEANER

- ✓ Plant-based ingredients
- ✓ Active Enzymes
- ✓ Good Bacteria
- ✓ Fruit Extracts
- ✗ Phosphates & Phthalates
- ✗ Bleach & Chlorine
- ✗ Ammonia & Paraben
- ✗ Artificial Fragrance

GOOD FOR YOUR **OFFICE**, THE **OCEAN** & THE **PLANET**



Safe for you, & the Planet



Certified Green Product



Natural, Non-toxic & Eco-Friendly



Gentle and Caring



Root Cause Elimination

SEWAGE TREATMENT



SEPTIC TANK SEWAGE TREATMENT PLANT (STP) BIOREMEDIATION OF WATER BODIES

- Accelerates digestion / degradation process by 10 times.
- Decomposition happens in 3-4 days as compared to conventional ways which takes approximately 40-60 days.
- No methanogens in the consortium hence less green house gas generation.
- Wide range of ambient operating temperature.
- 95% organic sludge degradation within 72 hrs of retention.
- Output water complies to BOD less than 10 and COD less than 50.
- No contamination in discharged water.
- No requirement of scavenging / emptying pit.
- Scalable and sustainable solution.
- Provision of recovery of water for reuse.



BASIC TREATMENT

ADVANCE TREATMENT

	BACTERIAL TREATMENT	ECO FRIENDLY	MEETS ENVIRONMENTAL NORMS	SUITABLE FOR ALL TERRAIN	WATER SAVING	WATER REUSE	SUITABLE FOR COASTAL REGULATION ZONE (CRZ)
BASIC TREATMENT	✓	✓	✓	✓			
ADVANCE TREATMENT	✓	✓	✓	✓	✓	✓	✓



Technology approved & Recommended by Ministry of Jal Shakti, Government of India.

FOOD WASTE COMPOSTING

APPLICATION AREAS



Individual Households



Large Societies



Large Canteens



Hotels & Restaurants

- 100% Natural composting process
- Scalable from 500 grams to 100 tonnes / day
- No harmful gases
- Chemical free process
- Low power consumption
- Aerobic composting process



Certified Green Products



Sustainability and Environmental benefits

Bacterial composting culture enables significant waste reduction and helps in diverting organic waste from landfills and reducing greenhouse gas emissions. Embrace sustainability and enhance your corporate environmental stewardship.

Odor Control and Pathogen suppression

The specialized bacteria in our composting culture aid in odor reduction, creating a more pleasant working environment. Additionally, they help suppress harmful pathogens, ensuring a safer waste management process.

Versatile Application

Our bacterial composting culture is suitable for a wide range of organic waste types, including food waste, agricultural residue, and industrial by products. It can be utilized in various waste management settings, such as composting facilities, manufacturing plants, commercial kitchens, and more.

Accelerated Decomposition

Our bacterial composting culture is meticulously formulated to supercharge the decomposition process which reduces processing time and improves overall waste management efficiency.



UNIQUE SELLING PROPOSITIONS

Zerodor Waterless Urinals



Patented Technology



Cost Effective



No recurring Cost



Compatible



Odor Free



No Flushing



Low Maintenance



No power required

CARE Natural Cleaners & Fresheners



Safe and Non Toxic



Eliminates root-cause



Gentle



For every surface



Fast Action



Long Lasting Effect



Certified
Eco Friendly



Cost Effective

Waste Management Solutions



No capacity
constraint



Scalable
Solution



Economical



Eco Friendly



Regulatory
Compliance



Low
Maintenance

PARTNERSHIPS & COLLABORATIONS



Tata Trust

**Grant Awardee and CSR
Impact partner in Toilet
Water Conservation**



DCB Bank

<https://www.dcbbank.com/>

Ekam is the **CSR partner** of DCB for all its Sanitation & Waste Management Projects



IIT Delhi

www.iitd.ac.in

**Technology Partner & Stake
Holder of Ekam**



Arizona State University, USA

<https://www.asu.edu>

Research & Technology Partner



Daiki Axis India

Technology Partner



Raina Industries

<https://raina-industries.weebly.com/>

Technology Partner



Centaac Corporation

Technology Partner



**Ministry of Housing & Urban
Affairs (MoHUA), Govt. of India**

**Pilot Implementation Partner
(AMRUT 2.0)**

CERTIFICATIONS



NET ZERO PLASTIC FOOTPRINT



Technology Approved by Dr. Mashelkar
Committee & Ministry of Jal Shakti

CLIENTS

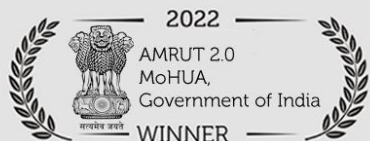


30000+
INSTALLATIONS
GLOBALLY

700+
ORGANIZATIONS
USING OUR
TECHNOLOGIES

1 BILLION
LITERS OF
WATER SAVED

AWARDS & RECOGNITIONS



2022

AMRUT 2.0
MoHUA,
Government of India

WINNER



2018

Titan Design
Impact Award

WINNER



2018

Approved by
Dr. Mashelkar Committee

- RECOGNITION -



2018

THE POWER OF
Ideas ET Power
of Ideas

FINALIST



2017

Swachathon 1.0

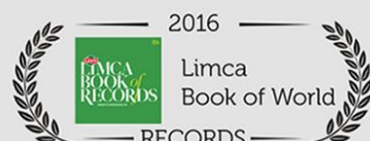
WINNER



2017

GES 2017
Delhi

FINALIST



2016

Limca
Book of World

RECORDS



2015

Wallonia Tech
Belgium

WINNER



2015

ABP News
Social Impact
Award

WINNER



2015

Hay Group
Next Big 100

WINNER



2014

TIE
Silicon Valley

WINNER



2014

Millennium
Alliance

WINNER



2014

DST - Lockheed Martin
India Innovation
Growth Program

WINNER



2014

IIT Delhi
Top 25 Innovations

WINNER



2014

CII - I4C
Innovation

FINALIST



2014

SANKALP
FORUM
AN INTELLECAP INITIATIVE
Sankalp Forum
Awards

FINALIST

