



Enviro Loo

THE ENVIRO LOO DRY SANITATION SOLUTION

**Safe. Waterless.
Built for real-world
conditions.**



A VAST FOOTPRINT A TRUSTED NAME

Proudly South African for over three decades, **Enviro Options** has designed and delivered **practical sanitation solutions built for real-world operating conditions.**

Enviro Loo systems perform where conventional flushing toilets fail. They are purpose-built for **remote and difficult-to-access locations**, water-scarce environments, and sites without reliable sewer, power, or water infrastructure.

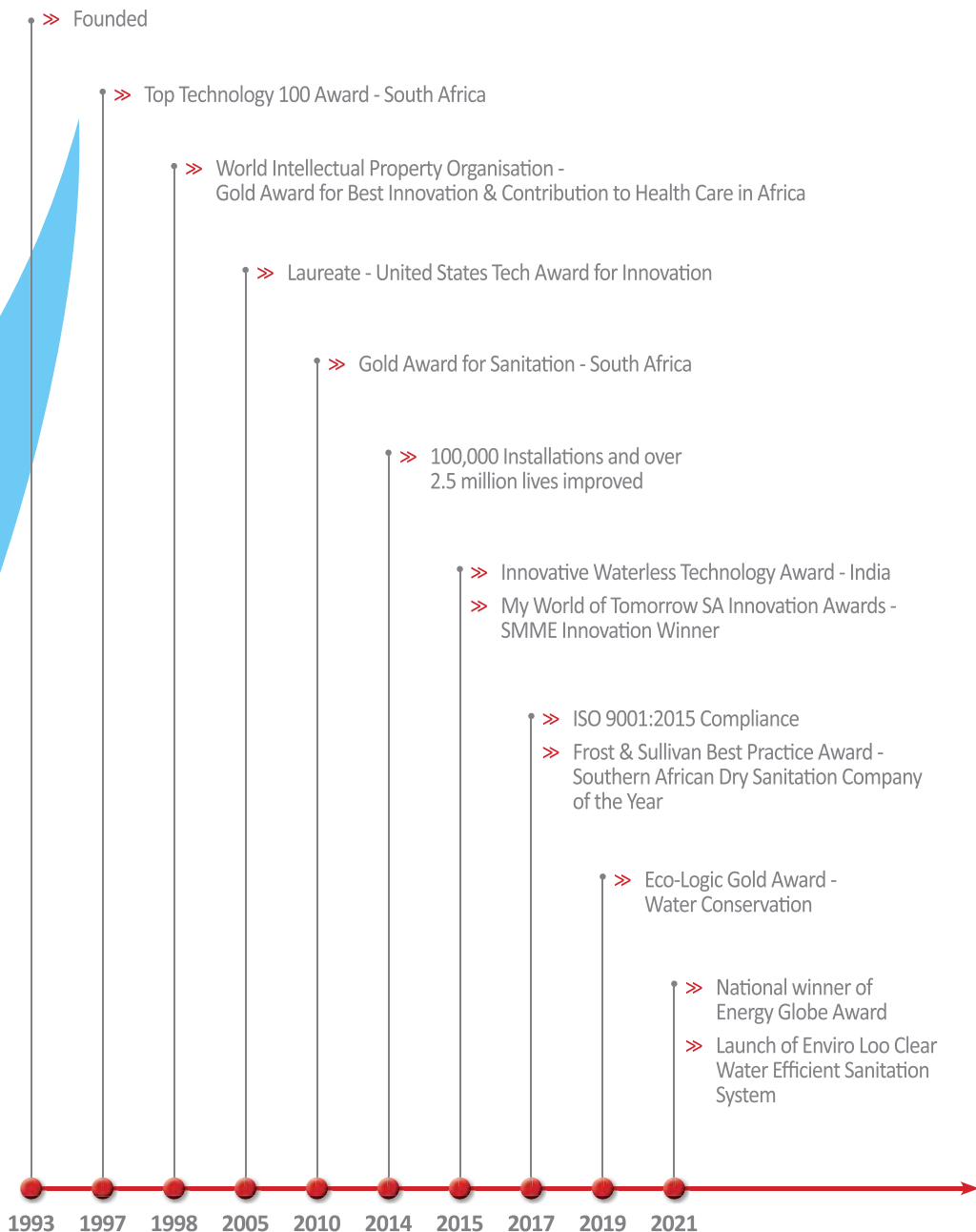
Crucially, **Enviro Loo Dry** systems are designed to be serviced in **challenging locations**. Routine maintenance can be carried out **without specialised machinery, permanent access roads, or complex mechanical intervention**, making them suitable for informal settlements, rural communities, construction sites, conservation areas, and temporary or mobile installations.

Deployed in 52 countries worldwide, the multi-award-winning **Enviro Loo Dry** provides dependable dry sanitation across climates and conditions. From rural communities to busy school environments, it continues to deliver what matters most: safe, dignified sanitation with minimal complexity and the **lowest operational and maintenance cost** for a waterless solution.

We are proud of our legacy of building long-term strategic relationships that help clients implement sanitation that is sustainable, easy to install, and built to last.



A PROUD HISTORY



ENVIRO LOO DRY

ENVIRONMENTAL IMPACT

The Enviro Loo Dry system delivers **reliable sanitation without using water**, making it ideal for municipalities facing water scarcity, ageing infrastructure, and environmental compliance pressure.

By removing flushing entirely, the system achieves **permanent water savings** while eliminating wastewater flows that contribute to **soil and groundwater contamination**. Waste is contained and stabilised on site in a **sealed, zero-discharge design**, avoiding the risks associated with leaking sewers, septic tanks, and chemical sanitation systems.

Key Benefits

- **Zero water use** - no flushing, no wastewater
- **Zero discharge** - protects soil and groundwater
- **Chemical-free operation**
- **Odourless and user-friendly**
- **Long service life**
- **Lowest operation and maintenance cost** on the market
- **Flexible installation** (indoor or outdoor)
- **ISO 9001:2015 compliant**
- **SABS Approved**
- **SAI Global Certified**
- **Includes Service Level Agreement**

The Enviro Loo Dry system offers a **practical, future-proof sanitation solution** delivering measurable water savings, reduced environmental risk and long-term cost control for municipalities.



RELIABLE SANITATION WHERE CONVENTIONAL TOILETS FAIL

Too often, sanitation projects fail, not because people don't need toilets, but because the environment and infrastructure make conventional systems impossible to sustain.

Through active community engagement, we assess client needs and deliver sustainable, fit-for-purpose, tailor-made sanitation solutions designed to support long-term community empowerment and upliftment.

Ideal for locations where:

- Water supply is limited or unreliable
- Sewer infrastructure is unavailable or too costly
- Sites are remote or difficult to service
- Foot traffic is high, thus durability paramount

Enviro Loo provides communities with safe, sustainable sanitation facilities.



HOW DOES THE ENVIRO LOO DRY WORK

The Enviro Loo Dry is an odourless, waterless sanitation system engineered for reliability and long-term use.

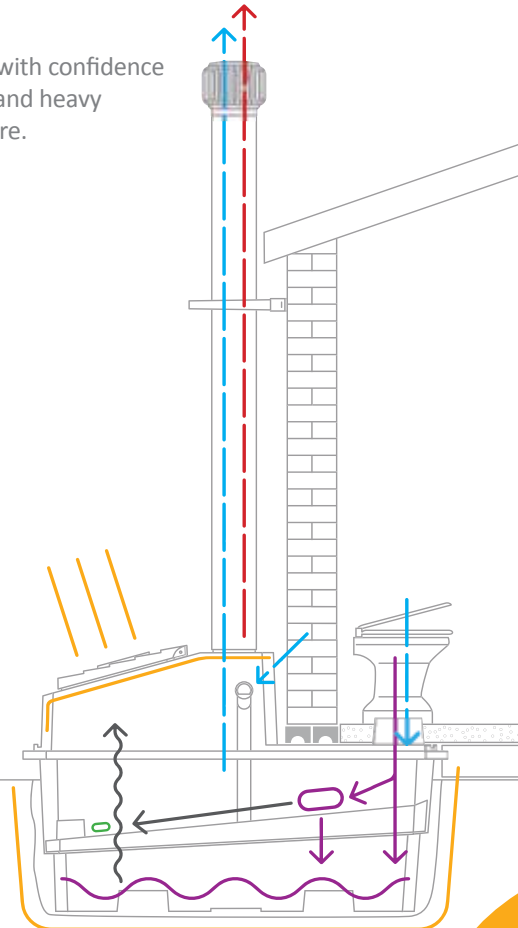
The system works through a controlled natural process of ventilation and dehydration - keeping the toilet hygienic, comfortable, and easy to maintain.

In simple terms:

- Airflow and ventilation help manage moisture and odour
- Waste is contained safely within the system
- There is no flushing and no sewer connection required
- The solution is non-polluting and designed for a safe disposal in line with municipal bylaws

The result is a toilet that communities can use with confidence without depending on water, electricity, bulky and heavy mechanical equipment or complex infrastructure.

- 1** Waste enters the container via the ceramic toilet bowl. Liquid waste drains to the bottom of the container while solid waste remains on the drying plate.
- 2** The waste is exposed to a continuous flow of air and the addition of an organic starter pack. Air is extracted through the extraction unit at the top with air being drawn into the container via the inlet vent pipes and toilet bowl.
- 3** As the air moves through the system, it dehydrates the solid waste on the drying plate. The liquid that has drained to the bottom of the container evaporates.
- 4** Sunlight increases the ambient temperature within the container. The intense heat, prolonged retention periods and oxygen-rich air dehydrates and decomposes the waste.
- 5** At the end of this process the human waste is converted into an inoffensive dry stabilized material, at which point it's reduced to roughly 5% of its original volume.
- 6** The negative pressure within the container prevents the escape of any odour through the toilet bowl or through the air inlet pipes. The odour is vented out via the wind driven extractor.



THE MOST COST EFFECTIVE OPERATION AND MAINTENANCE AVAILABLE ON THE MARKET - NOT JUST SUPPLY

Enviro Options provides far more than a toilet - we deliver the most complete, service-led sanitation solution on the market.

Every Enviro Loo Dry installation includes:

- Cloud-based remote monitoring (each unit loaded onto a monitoring app)
- A minimum two-year onsite service plan
- Local community training and employment where possible (janitorial and user education)
- Onsite servicing by local Small, Medium and Micro Enterprises (SMMEs)
- Social facilitation that ensures community buy-in to the technology

This approach supports performance, accountability, and sustainability ensuring each facility remains safe, clean, and usable over time.



THE ENVIRO LOO DRY PRODUCT SUITE

Catering to a wide range of project requirements, the Enviro Loo Dry Solution is available in five proven models:

- **D2010** Domestic application (up to **10** users) Suitable for urban and rural residential use
- **C2020** Communal model (up to **20** daily users)
- **B2030** Communal model (up to **30** daily users)
- **I1040** Industrial model (up to **40** daily users)
- **Enviro Loo Urinal** Option for **high-use** environments



D2010 - Domestic application



C2020 - Communal application



B2030 - Communal application



I1040 - Industrial application



- High-use application

ENVIRO LOO vs ALTERNATIVE FACILITIES

When choosing sanitation, it's not only the purchase price that matters, it's the full lifecycle performance, servicing requirements, and environmental impact.

COMPARED TO COMMON ALTERNATIVES:

Low / Pour Flush Toilets

- Requires water source, rainwater harvesting [dependent on water provision or climate]
- Requires costly mechanical emptying - specialist heavy equipment
- Structural design risk, increases chance of environmental contamination

Chemical Toilets

- May have some odour
- High servicing and rental costs over time
- Pollution risk through spillage or stormwater contamination
- Hazardous chemicals are typically used
- Generally not suitable for indoor installation

Anaerobic / VIP Systems

- Often strong odour
- Costly mechanical emptying; specialised equipment required
- Risk of groundwater and broader water resource contamination
- More complex installation and ongoing maintenance
- Can be unsafe for children if poorly designed or maintained

Useful Lifespan (Typical)

- **Enviro Loo Dry:** up to 50 years
 - **Chemical:** 10 - 15 years
 - **VIP:** 3 - 5 years
 - **Low/Pour Flush Toilets:** Untested
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ECONOMIC SAVINGS UNLOCKED FOR MUNICIPALITIES

Municipalities replacing chemical toilet rentals with Enviro Loo Dry systems **unlock immediate operational savings and long-term cost certainty.**

The financial impact is material, measurable, and sustained by having the lowest operation and maintenance technology installed.

Moretele Local Municipality (2016)

Estimated saving: ±R67 million over 24 months

- **3,508 Enviro Loo units** maintained under a Service Level Agreement (SLA)
- **Enviro Loo SLA cost: ±R8 million (24 months)**
- **Chemical toilets equivalent: ±R75.7 million**
(±R900 per unit per month over 24 months)

Result: Chemical toilet rentals would have cost almost 10× more for the same period.

Mogale City Municipality (2018 - 2026)

Phase 1 (2018): Estimated saving: ±R12.48 million over 36 months

- **650 Enviro Loo units** supplied, installed, and maintained
- **Enviro Loo cost: ±R15.6 million (36 months)**
- **Chemical toilets equivalent: ±R28.08 million** (±R1,200 per unit per month)

Phase 2 (Current - 2026):

- Replacement of **2,584 chemical toilets costing ± R1,806 per unit** per month
- **Estimated saving: ±R21.4 million over 36 months**
- Savings on **service and operational costs** vs rental and chemical toilets after the first 36 months equates to around **R40.5 million per annum.**

LONG-TERM FINANCIAL IMPACT

After the initial 36-month period, avoided rental, servicing, and chemical costs translate into **± R40.5 million** in savings per annum.

WATER PRESERVATION & SUSTAINABILITY UNLOCKED FOR MUNICIPALITIES

Enviro Loo Dry sanitation delivers long-term water savings by eliminating flushing and wastewater generation.

Moretele Local Municipality (2016)

- **3,508 Enviro Loo Dry units** maintained under a Service Level Agreement
- **Estimated water saving: 343,784 litres per day**
(compared to conventional waterborne systems)

Since commissioning in 2016, Enviro Loo technology has saved an estimated **1,266,500 kilolitres of potable water**.

Mogale City Municipality (2018)

- **650 Enviro Loo Dry units** supplied, installed, and maintained
- **Estimated water saving: 63,700 litres per day**
(compared to conventional waterborne systems)

Since commissioning in 2018, Enviro Loo technology has assisted the municipality in saving an estimated **188,106 kilolitres of potable water**.

CURRENT IMPLEMENTATION (2026)

- **2,584 Enviro Loo Dry units** currently being installed
- **Estimated water saving: 253,232 litres per day**
(compared to waterborne sanitation)

Equivalent annual saving: 92,430 kilolitres

WHY IT MATTERS

Conventional waterborne sanitation consumes thousands of litres daily and places ongoing pressure on bulk water supply, wastewater treatment works, and groundwater systems.

**Tailor-Made
Sustainable Sanitation
Solutions for Every Project.**



Certified: ISO 9001:2015



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