



THE ENVIRO LOO DRY SANITATION SOLUTION

**Safe Waterless
Sanitation
that supports
Education**



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 school 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.

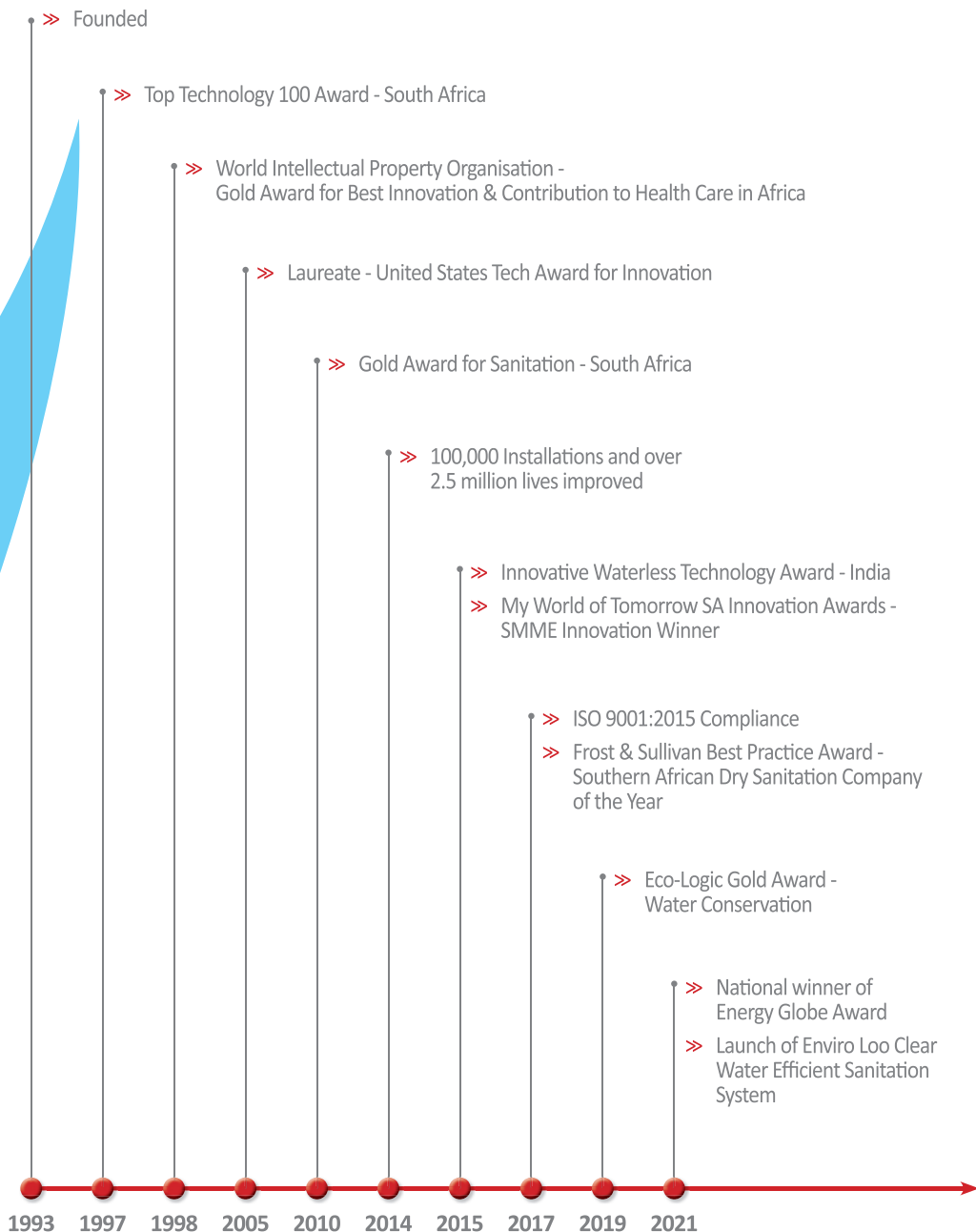
With over 84 000 units installed in schools across South Africa, **Enviro Loo Dry** provides **clean, dignified and dependable toilets** that support improved learner attendance, better health outcomes, safe facilities for girls and boys and a positive learning environment.

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 safe, reliable sanitation for schools in water-scarce regions still dependent on unsafe pit toilets or unproven flush technologies that require water and ongoing servicing with heavy mechanical equipment.

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**
- **Provides safer sanitation for younger children**
- **Reduced exposure to harmful pathogens**
- **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 minimal two-year Service Level Agreement**

The Enviro Loo Dry system offers a **tried and tested solution** delivering measurable water savings, reduced environmental risk and long-term cost control for schools, Governing Bodies and the Department of Education.



TRUSTED SANITATION SOLUTIONS FOR SCHOOLS

Conventional school sanitation systems often fail due to:

- Lack of reliable water supply including groundwater sources that run dry
- Poor maintenance and vandalism
- Overuse and system overload
- Health and safety risks

The result is unusable toilets that lead to increased absenteeism negatively impacting learner wellbeing, morale, and academic performance.

Enviro Loo reduces pressure on scarce water resources ensuring borehole or rainwater water can be prioritised for essential needs like handwashing and feeding schemes.



HOW DOES THE ENVIRO LOO DRY WORK

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

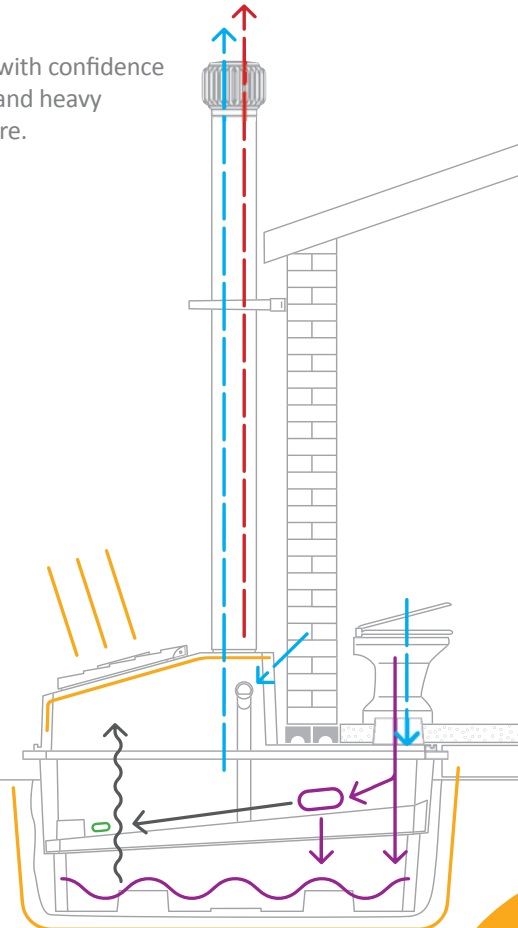
The system works through a controlled natural process of ventilation and dehydration - keeping the toilet hygienic, comfortable, and easy to maintain.

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 educational institutions including Early Learning Centres, the Enviro Loo Dry Solution is available in four proven models suitable for schools:

- **C2020** Communal model (up to **20** daily users)
- **B2030** Communal model (up to **30** daily users)
- **I1040** Large scale application (up to **40** daily users)
- **Enviro Loo Urinal** Option for **high-use** environments



C2020 - Communal application



B2030 - Communal application



Urinal - High-use application



I1040 - Large scale application

Our specially adapted **junior toilet bowl** ensures the safety of junior learners.

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 SCHOOLS

For many schools, sanitation failures are not only a health risk they are a financial burden. Traditional pit and chemical toilet systems require ongoing pump-outs, frequent maintenance and continuous transport of waste to wastewater treatment facilities, placing strain on limited education budgets and municipal infrastructure.

Enviro Loo Dry changes that equation.

Between May 2016 and April 2026, 2 572 schools adopted Enviro Loo Dry systems under structured Service Level Agreements (SLAs), representing 28 901 installed Enviro Loos. Over this ten-year period, the total servicing investment amounted to approximately R63 million. By comparison, the estimated cost of pumping out conventional pit and chemical toilets over the same period would have exceeded R383 million.

In addition, over **80 million litres** of wastewater did not require transport to municipal wastewater treatment works significantly reducing:

- Pressure on ageing wastewater infrastructure
- Municipal operating costs
- Transport and fuel requirements
- Environmental impact associated with waste hauling

LONG-TERM FINANCIAL IMPACT

Over the ten-year period the schools saved R320 million in pumping and waste transport costs due to the responsible, sustainable, safe and dignified Enviro Loo Dry sanitation system.

WATER PRESERVATION & SUSTAINABILITY UNLOCKS LOWEST LIFECYCLE COST FOR SCHOOLS

Enviro Loo Dry delivers long-term water savings by eliminating flushing and costly wastewater generation, transport and disposal.

- **Zero water costs**
- **No chemical costs**
- **Lowest operational and maintenance cost on the market**
- **Long lifespan (up to 50 years)**

Trust the Enviro Loo Dry to deliver sanitation that supports education today and for generations to come, while preserving water resources for more needed applications but not compromising on safety and hygiene. Enviro Loo Dry is not simply a toilet system it is an investment in sustainable education infrastructure.

WHY IT MATTERS

Conventional waterborne sanitation consumes thousands of litres of water daily placing pressure on limited water resources. Pit and chemical toilets require ongoing wastewater pumping, transport and disposal placing strain on infrastructure, budgets and the environment.



Building Better Learning Environments



Certified: ISO 9001:2015



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