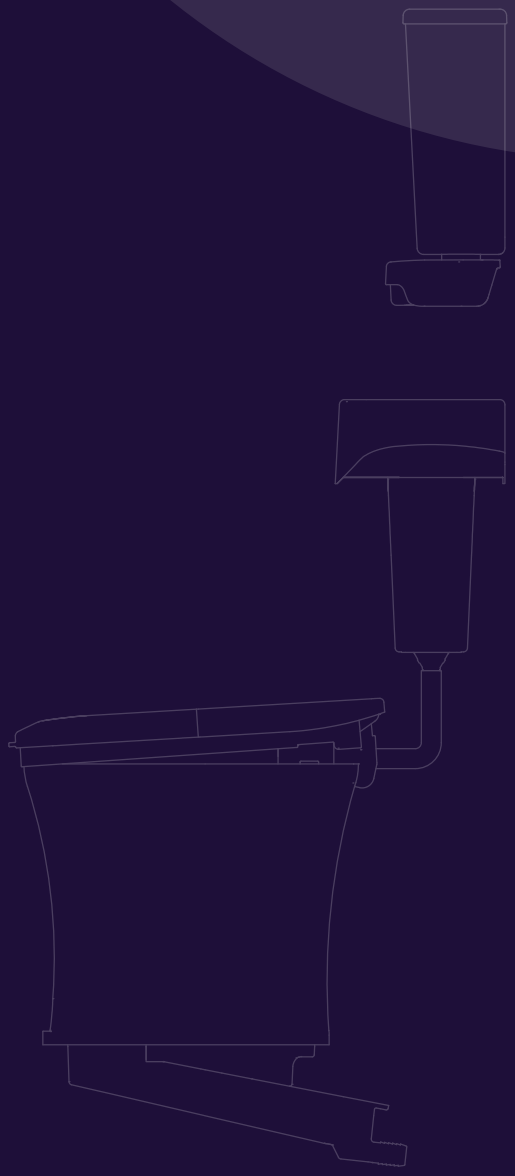
myloo
My story. My dignity.

THE FUTURE OF SUSTAINABLE SANITATION



MYLOO
DIGNITY HUB

Initiative by Amalooloo

Background

Betram (Pty) Ltd was founded in 1986 and has developed a character of passionate involvement in bringing about high quality, sustainable sanitation solutions.

We have been able to close the sanitation loop through extensive investment in research and development.

Over 20 years of experience has revealed that the industry's biggest challenge is the inability of current technologies to treat faecal sludge or human organic waste on site, in a way that is safe and eco-friendly.

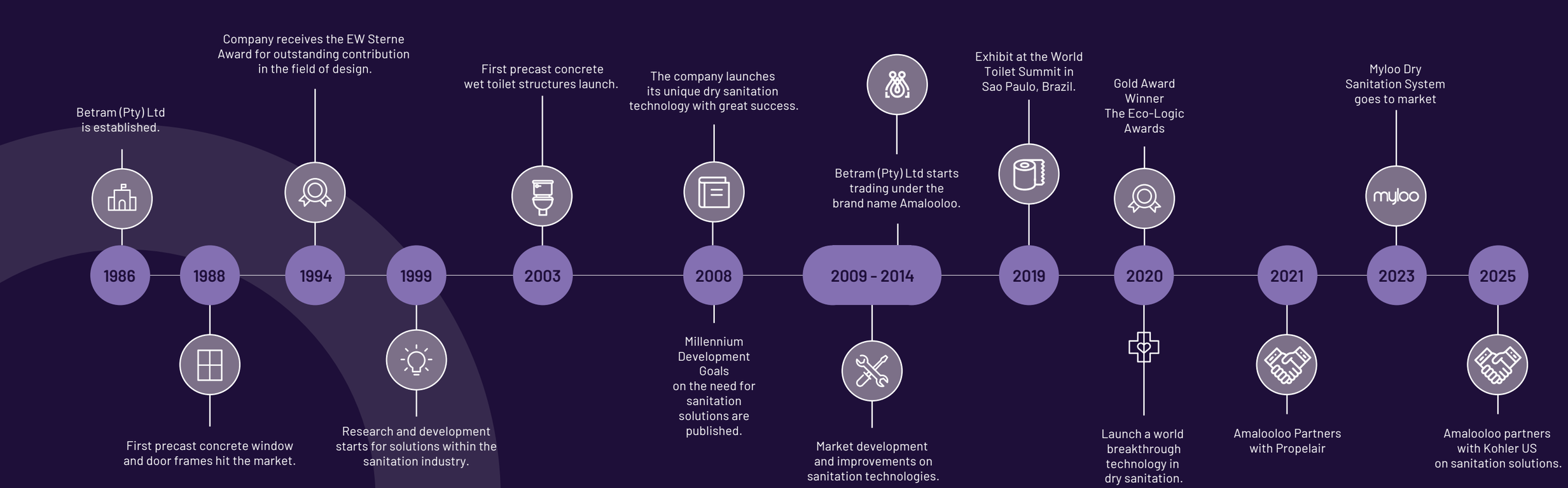
Another key aspect of this challenge is the lack of communication between the supplier of the technology and the end user for sustainability.

We have realised that we need to approach sanitation in a holistic way that includes the design, manufacturing, transportation, installation, education, communication, maintenance, and recovery of nutrients for the growth of healthy agricultural products for households and communities. In 2020, Betram (Pty) Ltd patented a world-first in dry sanitation technology, MyLoo, which will launch during the first quarter of 2021.

The MyLoo sanitation system is at the forefront of solving sanitation problems in urban, peri-urban, and rural areas, as well as in schools. It is an affordable, superior product that does not compromise on quality or style and includes the safe management, storage, collection, treatment and disposal of human excreta.

We believe in the empowerment of people through the transfer of skills, training, technologies, and processes for the provision of sustainable job opportunities.

OUR HISTORY:



MyLoo

Scientific processes behind the technology

The scientific principle behind the technology is aerobic, natural composting of human excreta that is separated at source.

This technology is only dependent on natural, environmental conditions, resulting in a sustainable eco-friendly system.

700ml water tank

Shower

Hot air leaving vent pipe

Cool air entering unit

Sun heats the UV protected black vent pipe and air inside, increasing temperature on pipe is extracting hot air from the underground container, resulting in a one way air flow as warm air move upwards.

POSITIVE PRESSURE ENSURE:

Cool air entering pedestal through air inlet between pedestal lid & seat.

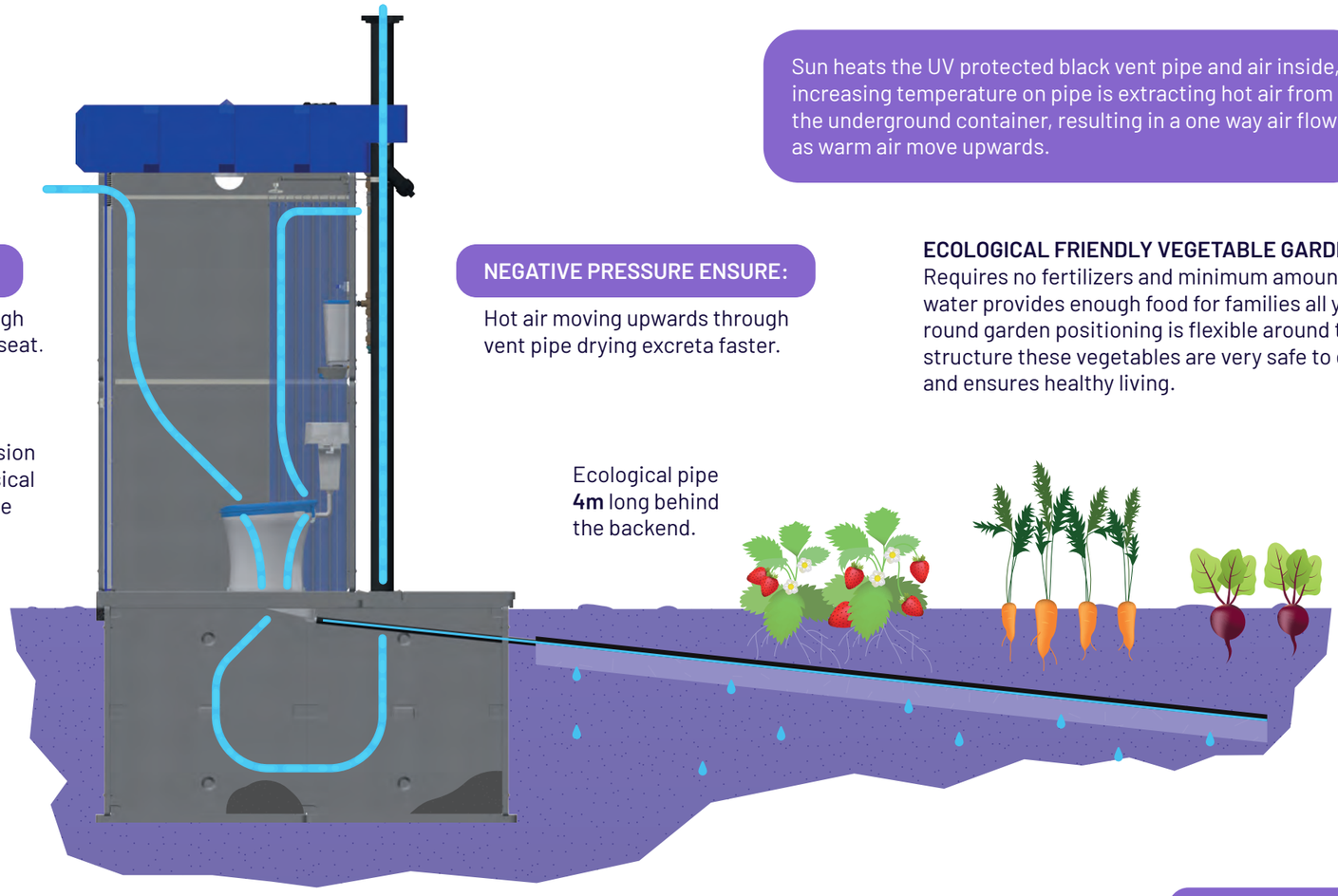
NEGATIVE PRESSURE ENSURE:

Hot air moving upwards through vent pipe drying excreta faster.

ECOLOGICAL FRIENDLY VEGETABLE GARDEN:
Requires no fertilizers and minimum amount of water provides enough food for families all year round garden positioning is flexible around the structure these vegetables are very safe to eat and ensures healthy living.

Myloo pedestal with urine diversion for male and female users. Physical barrier between the user and the back-end system.

First separation of fluids.



Ecological pipe **4m** long behind the backend.

± 300mm - 400mm

Gravel under ecological pipe.

Nutrient recovery through drip irrigation for handwash water & urine

DROP ZONE

Second separation of water & fluids

Excreta raked to the back to dry, resulting in reduced volume of contents can be removed annually and be used as a ground filler or fertilizer.

SEALED CONTAINER

Dignity Hub

KEY FEATURES

Integrated Sanitation System
- Can be installed as a waterless, low-flush, or fully waterborne sanitation system
- Adaptable to different infrastructure and environmental conditions
- Designed for hygienic and safe waste management

Private Shower Facility
- Integrated shower space within the unit
- Privacy curtain separating toilet and shower areas
- Enables improved personal hygiene and wellbeing

Rainwater Harvesting
- 700-litre rainwater storage integrated into the roof
- Captures and stores rainwater for daily hygiene needs
- Reduces dependency on external water sources

Additional Water Storage
- 500-litre elevated water tank and stand
- Gravity-fed water supply for showers and handwashing
- Provides additional water security for communities

Safe and User-Friendly Design
- Interior lighting for safe use
- Ventilation system for improved airflow
- Grab rails and ergonomic layout for user comfort

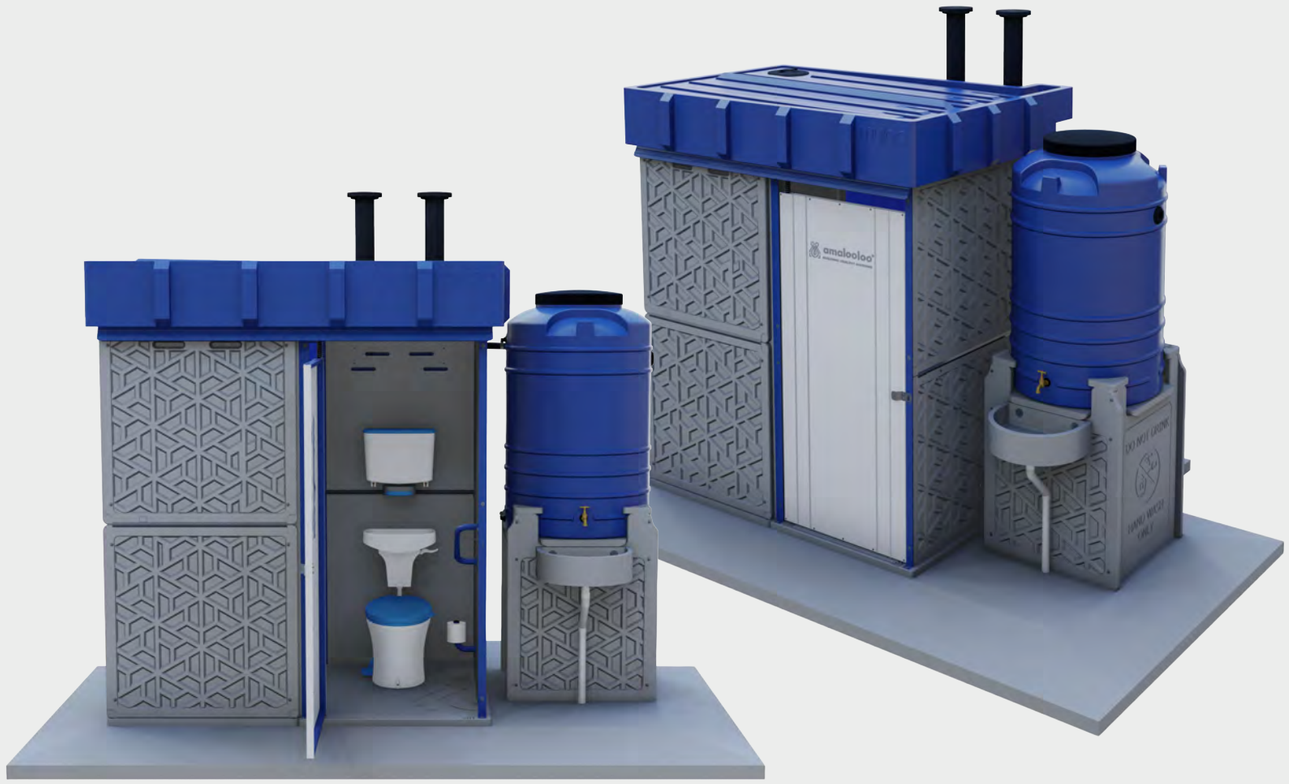
Robust and Durable Construction
- Modular panel structure designed for long-term use
- Suitable for urban, rural and off-grid environments
- Easy to transport and install

A Complete Sanitation and Hygiene Solution

The Dignity Hub is an innovative sanitation solution designed to bring safe, dignified, and sustainable hygiene services to rural and underserved communities. More than just a toilet, the Dignity Hub integrates sanitation, showering, and water security into one compact and robust structure.

Designed for flexibility and durability, the Dignity Hub provides communities with access to safe sanitation, personal hygiene facilities, and reliable water storage, even in areas where conventional infrastructure is limited.

By combining multiple essential services in one unit, the Dignity Hub helps restore dignity, improve public health, and support sustainable water use.



Why the Dignity Hub Matters

Access to sanitation and hygiene is fundamental to health, safety, and human dignity. The Dignity Hub delivers a complete sanitation and hygiene solution, empowering communities with the facilities they need to live healthier, more dignified lives.

Pedestal design

The aesthetic design of the pedestal was a collaborative effort, taking into consideration the wide range of users, from both male and female users of every age.

KEY FEATURES



Hygiene pad



Child safe

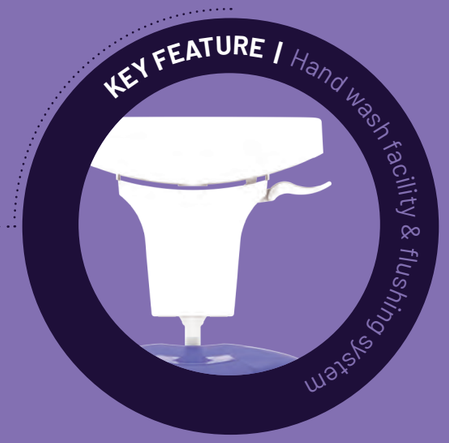


Foot pedal

- The urine diversion pedestal design technology allows for the effective separation of urine and faeces at source. A major technology design feature of the separator is that it is not visible to the end-user and thus does not have a negative impact their dignity. Another key design feature is that the inlet of separated urine and fluids is smaller than the outlet, therefore securing a non-blockage system.
- The lid has a hygiene tab that enables the user not to touch the seat of the pedestal, reducing the spread of disease and viruses like COVID 19.
- The lid is designed to function as a child safety seat.
- The lid is designed to allow a small opening around the seat when it is closed, therefore allowing airflow into the back end, resulting in an odourless and fly free toilet.
- The pedestal is provided with a handwashing facility inside the toilet specifically for health and hygiene, purposes.
- The facility inside the toilet also has a flushing mechanism that rinses the pedestal with the handwashing water. This gives the user the unique experience of flushing the toilet.

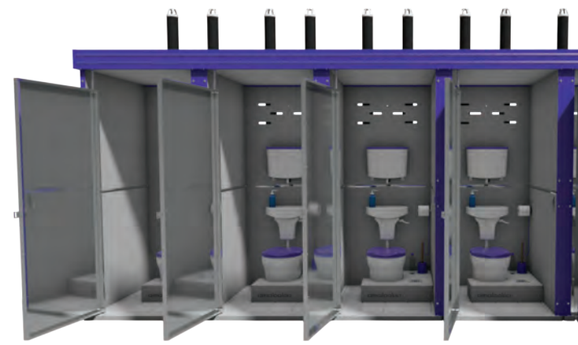
COMPLETE SANITATION SYSTEM





Flushing mechanism rinses the pedestal with water from the hand wash basin.

- The MyLoo system is scalable from individual households, communal ablution facilities as well as school sanitation solutions.
- MyLoo also provides facilities for the physically disabled.
- The area footprint of the sanitation system does not exceed 2m2.



LET'S TALK TOILETS

UNICEF estimates that 5,7 billion people could be living in areas with water scarcity by 2050.

Without running water, the traditional flush toilet cannot work.

The creators of the innovative Amalooloo Dry Sanitation Solution have used years of experience and research to develop and produce the future of sanitation.

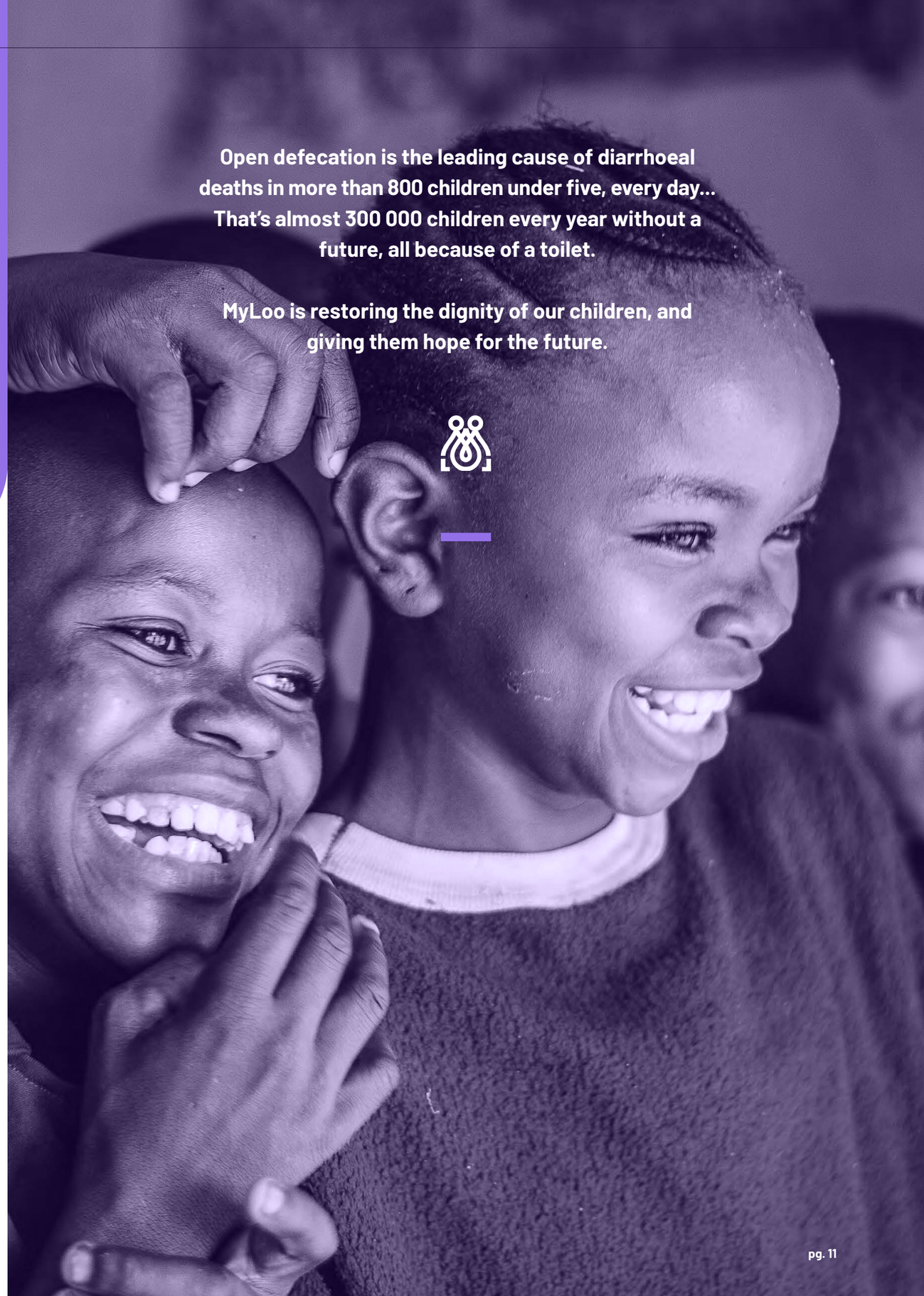
MyLoo safely manages human waste in drought-stricken areas, without using water.

MYLOO—SIMPLE, SUSTAINABLE SANITATION

Many have endeavoured to rethink the toilet, but solutions have been complex, expensive and inaccessible to the impoverished communities that truly need safe sanitation solutions. Myloo is a simple, unique and sustainable sanitation solution that separates human waste at source.

APPLICATION IN THE SANITATION INDUSTRY

The sanitation solution has been implemented in residential households, clinics, ablutions, and schools across South Africa and abroad.



Open defecation is the leading cause of diarrhoeal deaths in more than 800 children under five, every day... That's almost 300 000 children every year without a future, all because of a toilet.

MyLoo is restoring the dignity of our children, and giving them hope for the future.

myloo
My story. My dignity.

Initiative by Amalooloo

betram®
Patented Waterborne and Dry Sanitation Solutions

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