



SANITATION IN LIMA: A PRESSING CHALLENGE

Peru has one of the poorest sanitation indexes in Latin-America: almost 10 million people, 30% of the total population, lack access to an adequate solution.

In Lima, a city challenged by the deficient and unplanned population growth and physical water scarcity, more than 850,000 people living in marginalized areas lack access to a proper sanitation facility. They have to use pit latrines or even practice open defecation as alternatives.

The complexity of the problem in Lima requires a socially inclusive and environmentally sustainable approach.

WHAT DOES THIS MEAN?

Direct health impact: diarrhea, urinary infections, exposure to fecal pollution, other water related diseases.

Environmental impact: affected quality of groundwater resources and surface water, land degradation and compromised biodiversity.

Economic impact: reduced productivity and city competitiveness, increased expenditure due to sickness and diseases.

Social impact: a vicious cycle of disease and poverty.

WHO WE ARE

x-runner is a social enterprise that provides **non-conventional innovative sanitation solutions** that adapt to the social and environmental challenges of every context with a sustainable and inclusive approach.

Through the project “Family’s”, running since 2012, the enterprise offers a **reliable, affordable and accessible** sanitation solution to low-income urban households which lack access to potable water and a safely managed toilet facility.

The project’s innovative and waterless sanitation system **instantly improves people's health, hygiene and general living conditions at home**. Currently, it serves over 4,500 beneficiaries in more than 150 different human settlements in the south of Lima.

HOW WE DO IT



WHAT WE HAVE ACCOMPLISHED

4,500+ beneficiaries.

150+ intervened communities.

500+ tons of feces removed.

93% satisfaction rate.

10+ international and national awards.

LEADING A NEW INNOVATIVE APPROACH

The enterprise currently **leads the Container Based Sanitation (CBS) innovative approach in Latin America.**

CBS's full value chain approach to sanitation is one of the few global interventions that fully complies with the updated **Sustainable Development Goal for household sanitation (6.2)** for the emptying, transport, and safe treatment of waste.

x-runner is also a founding member of the **Container Based Sanitation Alliance (CBSA)**, a coalition of six CBS practitioners around the world (SOIL - Haiti, Clean Team - Ghana, Sanivation - Kenya, Sanergy - Kenya and Loowatt - Madagascar) with extensive experience developing and delivering sustainable sanitation services.

The CBSA was formed in late 2016 with the **goal of formalizing CBS as a widely accepted and endorsed approach** among municipalities and regulators, helping sanitation services to **reach scale, and achieving sustainable impact** in urban areas around the world.

AWARDS AND RECOGNITIONS

