

# Biogas program for rural development



Sistema.bio® is a social enterprise with more than 10 years of experience in renewable energy. It dedicates itself to producing, distributing and installing biodigesters in small -and medium- sized farms. The package includes a high quality biodigester, a financing program, capacity-building, and impact monitoring to ensure successful long-term adoption.

Using the waste from a wide variety of animals on the farm, Sistema.bio® produces renewable energy (biogas) that can be used in a productive or domestic environment, as well as a potent organic fertilizer that improves soils and increases the yield on farmers' fields.

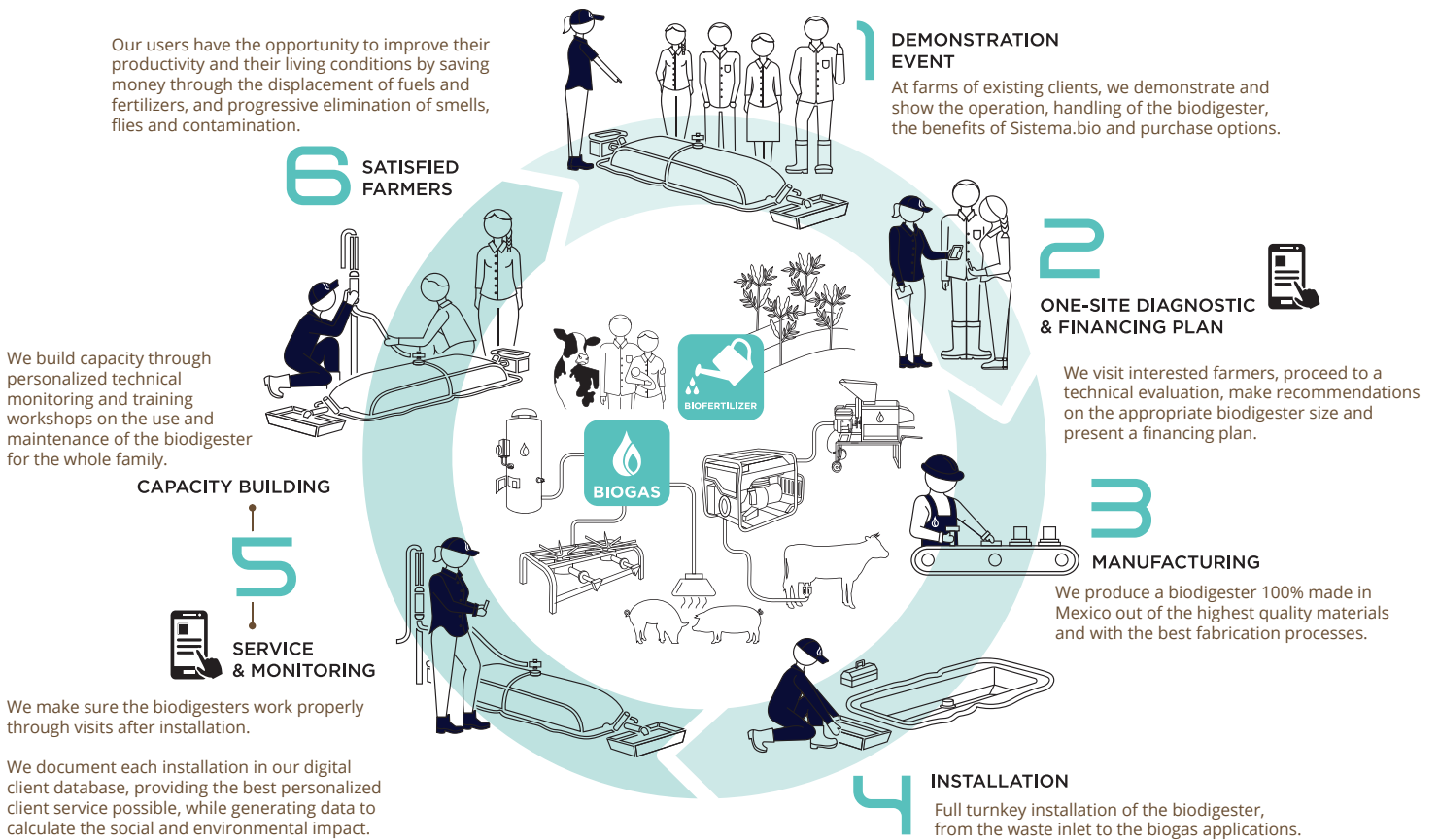
The installation of the reactor in small and medium farms generates important savings for rural families, as

it displaces LP gas, other fossil fuels, wood and chemical fertilizers. Sistema.bio® also protects its beneficiaries' health by reducing the risk of infection from exposure to animal manure. Finally, it provides environmental benefits by reducing greenhouse gases emissions, protecting water sources and forests.

Sistema.bio® has created its diverse collaborations with international development organizations, government organizations, non-governmental organizations, private companies and academic institutions. From Mexico, we work for Latin America, the Caribbean, and the rest of the world, providing biodigesters at dairy farms, farms raising sheep, goats, etc. We bring Sistema.bio's multiple positive impacts to thousands of households and farmers.



Our users have the opportunity to improve their productivity and their living conditions by saving money through the displacement of fuels and fertilizers, and progressive elimination of smells, flies and contamination.



We build capacity through personalized technical monitoring and training workshops on the use and maintenance of the biodigester for the whole family.

**CAPACITY BUILDING**



We make sure the biodigesters work properly through visits after installation.

We document each installation in our digital client database, providing the best personalized client service possible, while generating data to calculate the social and environmental impact.

**1 DEMONSTRATION EVENT**

At farms of existing clients, we demonstrate and show the operation, handling of the biodigester, the benefits of Sistema.bio and purchase options.

**2 ONE-SITE DIAGNOSTIC & FINANCING PLAN**

We visit interested farmers, proceed to a technical evaluation, make recommendations on the appropriate biodigester size and present a financing plan.

**3 MANUFACTURING**

We produce a biodigester 100% made in Mexico out of the highest quality materials and with the best fabrication processes.

**4 INSTALLATION**

Full turnkey installation of the biodigester, from the waste inlet to the biogas applications.

The **Sistema.bio®** program is based on our easily-to-install technology, combined with financing packages, training and monitoring. It provides a turnkey package which produces biogas and organic fertilizer (biol) at the local, regional or national level. This Sistema.bio® technology generates a wide range of important benefits in the fight against climate change, health, savings, and productivity. These benefits are in turn aligned with national and international sustainability goals.

Sistema.bio® is the revolution in high-quality biodigesters for small and medium farms, based on a prefabricated, proven, easy to use maintenance technology. We send wrapped packages from our manufacturing plant directly to the households, individual production units or community programs, where they will be installed. Their easy transportation and installation allows to focus on local training and capacity-building as well as long-term monitoring, maximizing the positive impact for the community and the environment.

Our mission is to create value from waste, by doing so we improve the economic, environmental sustainability and well-being of small and medium farmers through the maximization of sustainable energy and technology.



“ Sistema.bio® helps us to reduce pollution by mismanagement of manure in small farms, it helps to generate gas consumed in families, and we also produce a bio fertilizer for food production. It becomes a virtuous circle!

**PESA-FAO program**  
Rural Development Coordinator; Tlaxcala-Mexico

