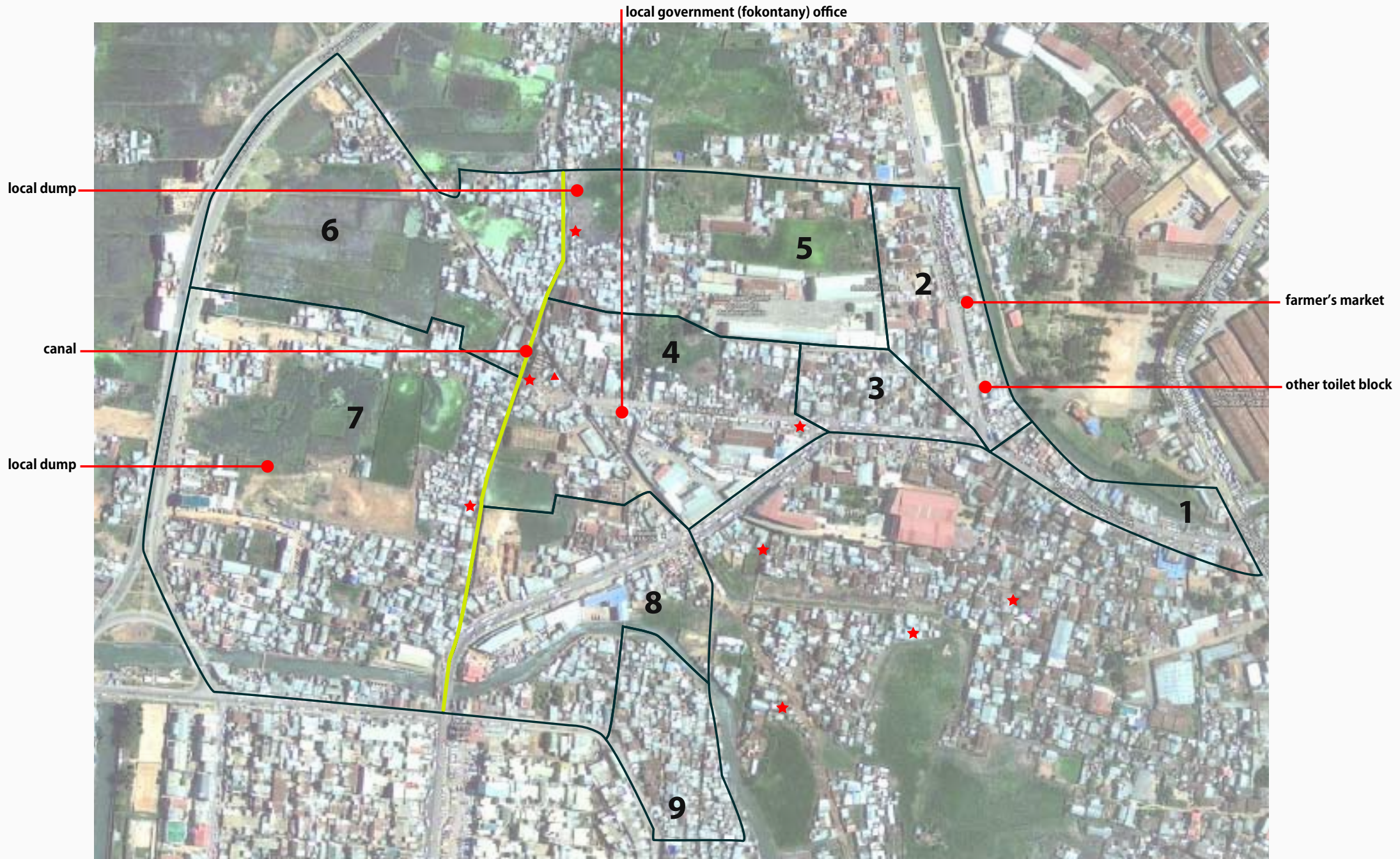


In FAAMI, Comune Urbaine Antananarivo, 1st Arrondissement, this local sanitation block is visited by 250 people a day for toilets and showers. A visit for a poo costs 50 ariary, a quarter of one U.S. cent. After each visit, an attendant bucket-flushes the toilet with about 8 liters of water.





FAAMI neighborhood, population over 11,000. Districts numbered 1-9

- ▲ = FAAMI Sanitation Block
- ★ = Public Water Fountain



Most of the neighborhood relies on nightsoil buckets used at home, or latrines like the one below.



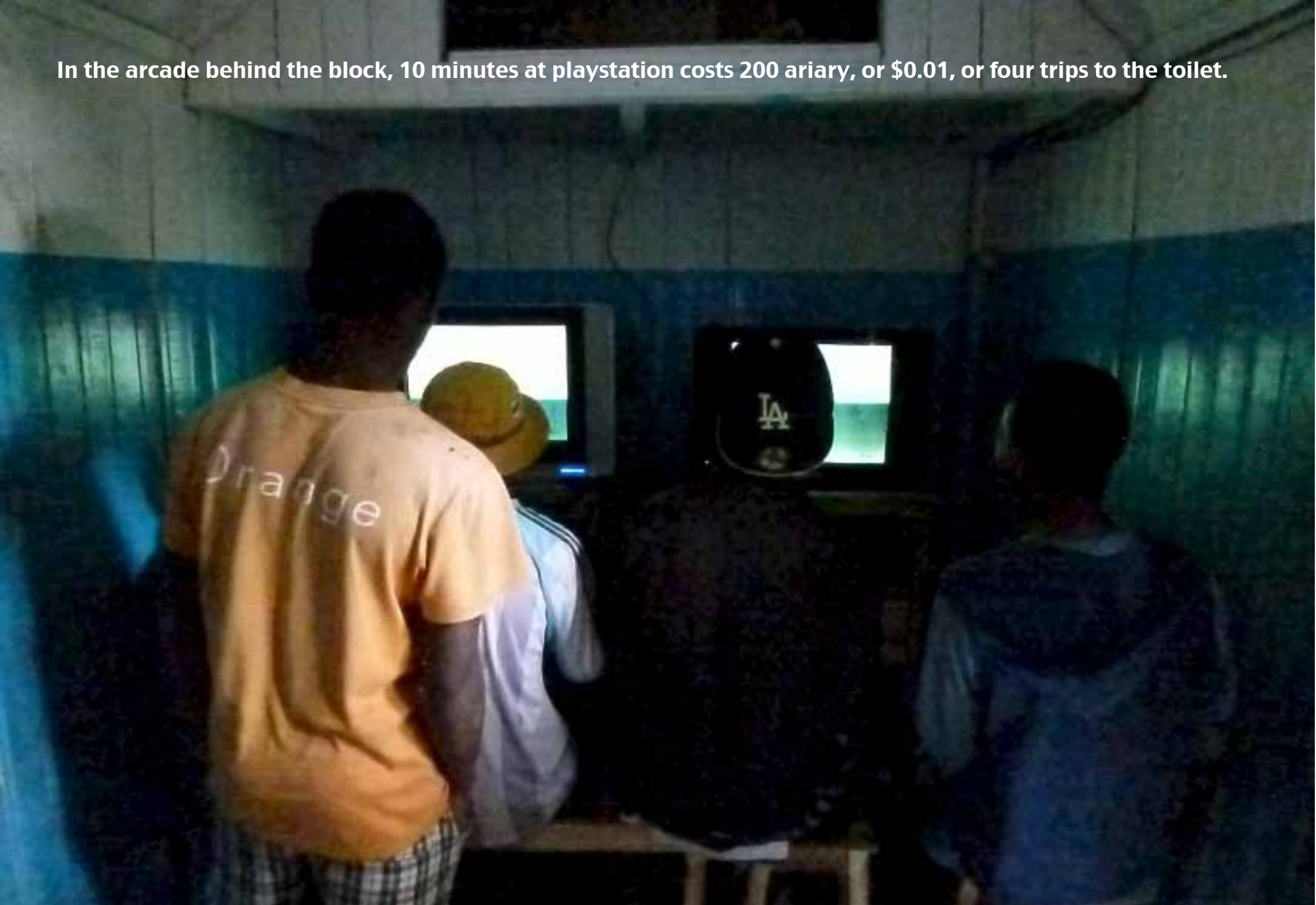
Around the sanitation block are a half-dozen restaurants, several food and household supply shops, two entertainment businesses and a water fountain.



The Loowatt team is engaging with all of them to ensure that the system will meet local needs.



In the arcade behind the block, 10 minutes at playstation costs 200 ariary, or \$0.01, or four trips to the toilet.





Water supply to the sanitation block and the water fountain is not reliable. The septic tank is malfunctioning, discharging blackwater into the canal behind the fountain.

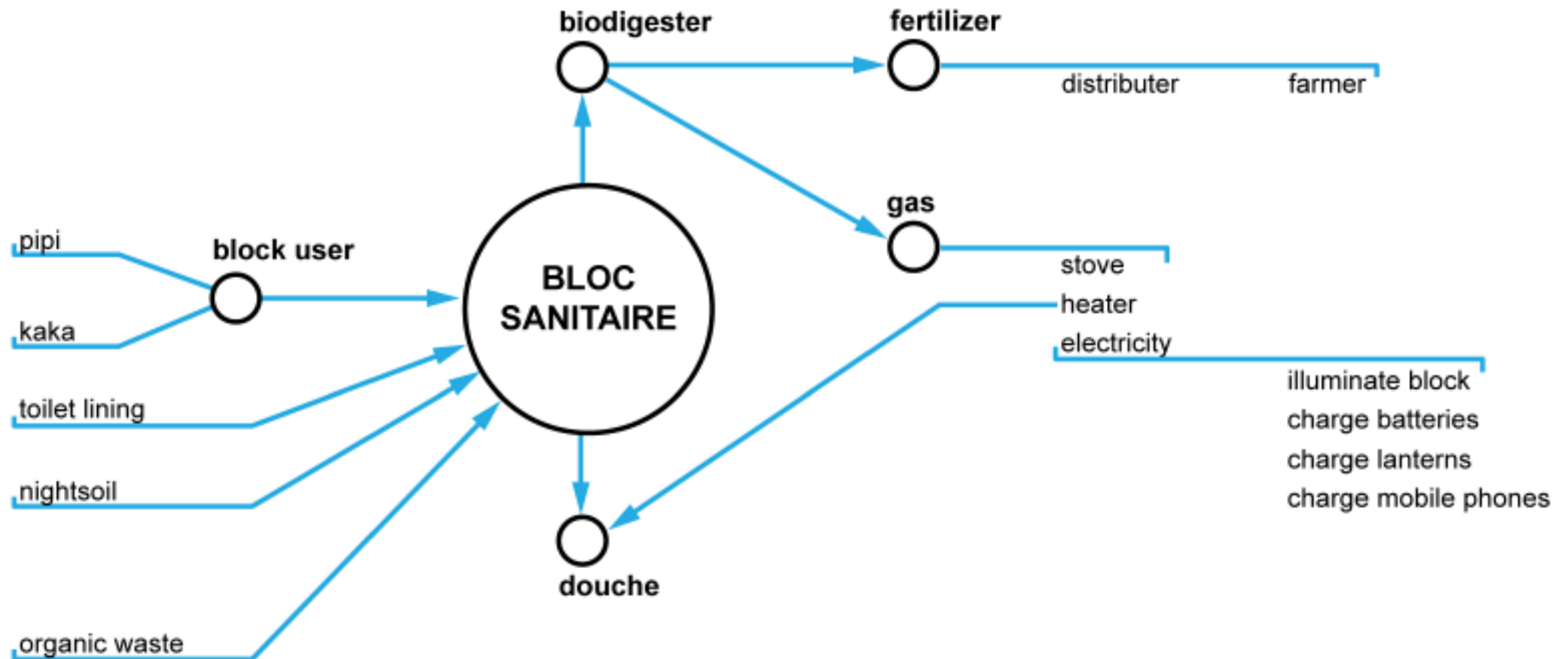
Loowatt plans to build an addition to the block, which will include two waterless Loowatt toilets, and an anaerobic digester, built with capacity for expansion.



The addition is being planned so as to accommodate existing local businesses.



The Loowatt system can generate value for the sanitation block and the local community. Here is one example.



In November 2011, the Loowatt team met with local stakeholders from the community and government, to discuss the project and define criteria for success.



The block currently charges 100 ariary for a cold shower. Local block users expressed the desire for hot water in the shower stalls, and said that a fair price for a hot shower would be 200 ariary.



The sanitation block staff includes six people: two managers, two cleaners, and two night guards. The managers, such as Fara, below right, collect daily data on how many people use the facilities.



The local government office is 50m away from the sanitation block.



The local government office keeps population information for districts 1 to 9.

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ISAN'NY MPONINA ISAKY NY SECTION

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980	770	1086	1045	1895	1792	1896	1080	986
1	2	3	4	5	6	7	8	9



**For \$10 a month, men are hired to clean the canals.
Their salaries are paid with proceeds from the local water fountain and sanitation block.**

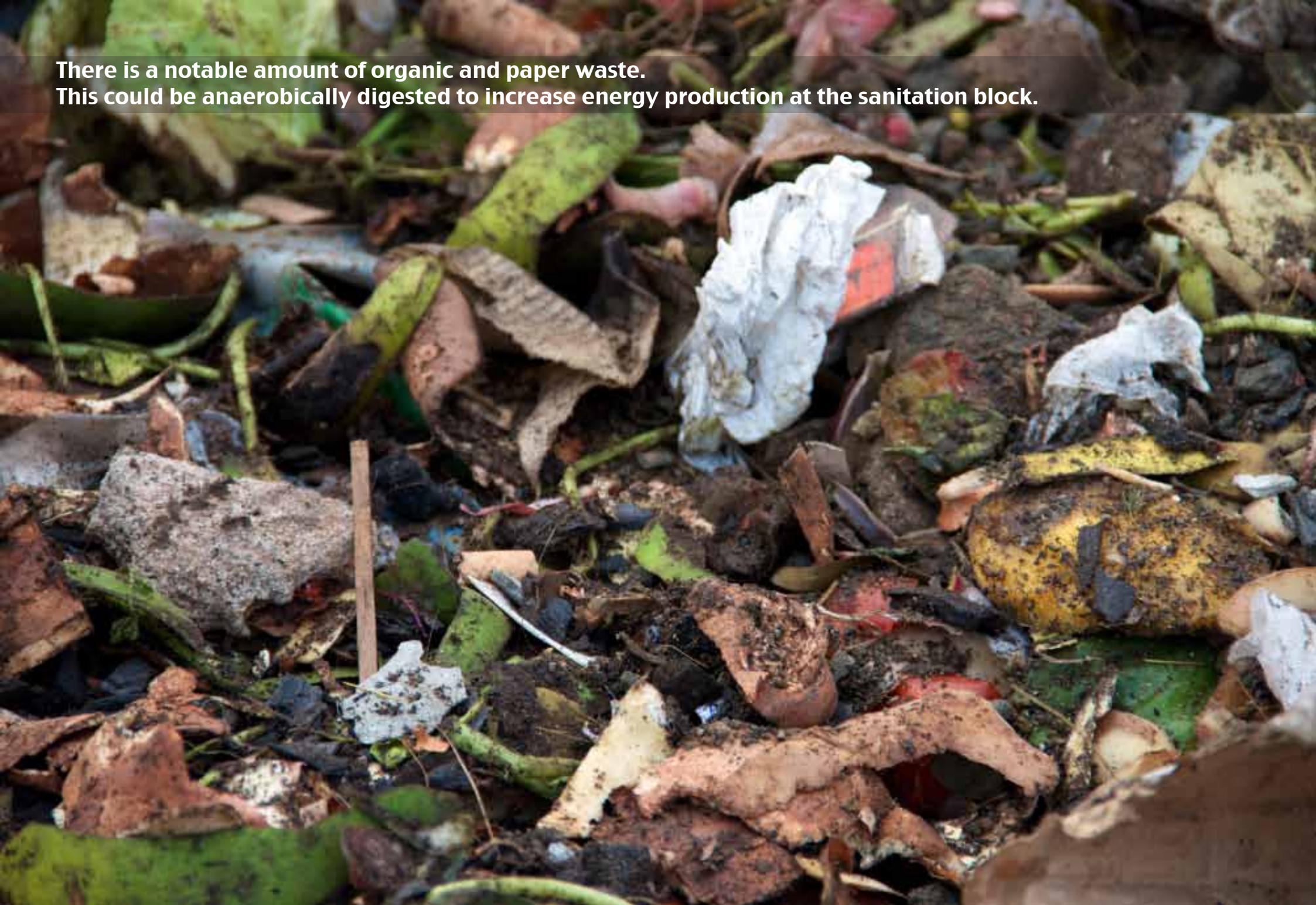


These women collect residential and commercial waste in the FAAMI districts. They are also paid \$10 per month each, from water and sanitation proceeds.



**The waste is deposited at local dumps.
Solid waste is burned, and biodegradable waste is left to decompose.**

**There is a notable amount of organic and paper waste.
This could be anaerobically digested to increase energy production at the sanitation block.**





Farmers come from the periphery to sell their produce at the local market. They regularly purchase fertilizer in the area.

We now have enough information and engagement with the local community to begin implementation. We aim to install the pilot system in the spring of 2012.

