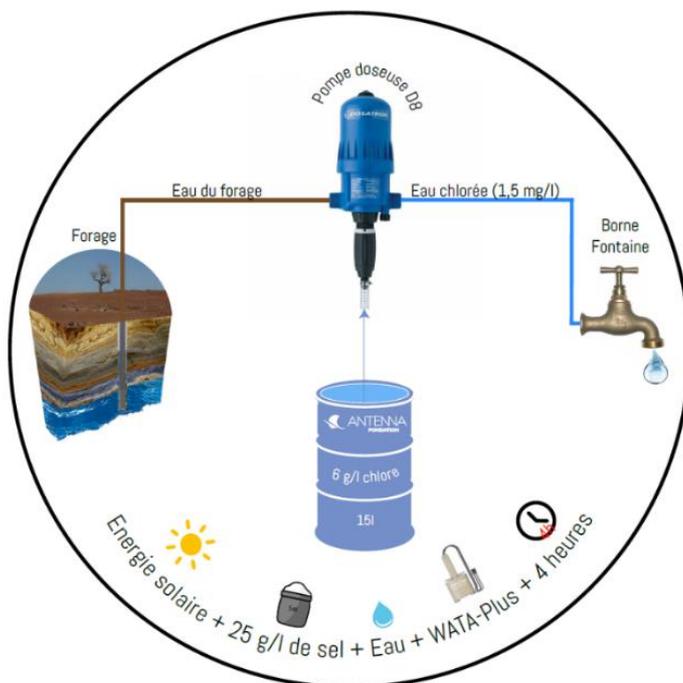


Water supply systems (AEPS)

Starting in 2018, a new R&D project has been developed with the installation of three water supply systems in Burkina Faso and in the Democratic Republic of the Congo (DRC). Four more systems have been planned and are currently in progress of implementation.

Water supply systems



In a first step the water is extracted from the ground, before a pump injects an active chlorine solution (6g/l) produced with WATA technology at premises. Previously the chlorine solution had to be prepared manually by the water supply responsible. The new system is more reliable and less risky.

After 30 minutes of contact time the water is tested on residual chlorine to assure its potability.

The system includes different components:

- Installation of chlorine pump injection

The specificity of this development was the introduction of a chlorine pump facility, which, through an automatized system, injects a 6g/l active chlorine solution, locally produced with the [WATA™ technology](#), into the water pipe to purify the water. This was previously done by a water supply responsible, who would manually treat the water in the water tower with (active) chlorine. This automatized process facilitates the injection of chlorine and eliminates the contamination risk resulting from human manipulation. It is simplified and safer.



- Liquid control level system

An additional device is currently under development: A liquid control level system to facilitate and improve the treatment process. The device warns the water supply responsible from a dangerously low level of chlorine in the pump through flashing lights, an audible alarm and a SMS message sent to the mobile phones of the water supply responsible persons. This is set to be implemented in mid-2019.

- Pump-end chlorine control

In development and currently under review is the possibility to install a system, which measures chlorine level at the water valve to ensure the quality of the water. In the process, the data will be sent via a satellite or GSM to the water supply responsible to provide information on the active chlorine level.

This system enables a more precise and automatized measure of the chlorine level at the tap.

To read more (in French): click [here](#).



Water supply system in Burkina Faso equipped with WATA technology