DROP THE ACT
IN RWANDA
REHABILITATING WELLS RESULTS IN 280 HECTARES FOREST PRESERVED.

51.5 M LITERS CLEAN WATER

540 000 SAVED TREES

90 000 TONNES OF CO₂ AVOIDED

Rwandan Water Project with the support of 20 160 people positively impacted.

280 hectares of forest preserved.
Rwandans don’t have easy access to clean water. Water is collected from polluted sources and, in order to make it safe for consumption, it has to be boiled first. This process leads to a general deforestation as wood is the main fuel source for most Rwandese families. Furthermore, the process of burning wood is bad for the (indoor) air quality leading to many respiratory issues. This Project gives households access to clean water, which eliminates the need of boiling water for purification purposes. This saves a lot of wood which protects the trees and the forests. Households save on their budget by not having to invest as much in fuel, they also gain time, and improve their health conditions.
Located in East Africa, the Republic of Rwanda is one of the smallest countries in the world. Yet, its population density is one of the highest, which puts a lot of pressure on the natural resources.

To tackle these issues, CO2logic supports projects that provide safe and clean water to hundreds of households in the Rwandan community of Nyagatare. By providing safe water, the Project will ensure that households consume less firewood during the process of water purification and, as a result, produce less CO₂ emissions.

Water often comes from polluted sources and needs to be boiled in order to purify it. This requires a lot of firewood which then has a big impact on the ecosystem. However, the forest is important for the national economy and many people rely on its resources.
REHABILITATION OF WELLS
The main objective of the Project consists of repairing damaged wells, drilling new ones and maintaining them in the long run. These wells provide clean water that can be accessed through a borehole. To make sure it is safe for consumption, the water is regularly tested beforehand.

ENVIRONMENTAL IMPACT
Firewood is being collected from the nearby forests, which puts a lot of pressure on the ecosystem. Besides the sequestration of CO₂, forests provide a lot of valuable resources to the Rwandan communities.

IMPROVING LIVELIHOODS
Health improves due to more awareness and better access to safe water, but the Project also improves health conditions at home. Before the well construction, water was boiled on firewood stoves in order to purify it, this brought a lot of respiratory illnesses due to indoor air pollution to which children are particularly vulnerable. Access to a well also saves a family a lot of time and money.
REHABILITATION OF WELLS
THE PROJECT REPAIRS DAMAGED WELLS AND MAINTAINS THEM IN THE LONG RUN

The Project is for and by the people of Rwanda, the wells are build and maintained by local people. The WASH (Water, Sanitation and Hygiene) committee is a local initiative to involve everyone.

The WASH trainings involve the local community to increase awareness. Reunions are held in villages during which Q&A sessions, role games and explanations are given concerning the following themes:

- Disease transmission risks;
- Positive effects of hand washing;
- The usage of pit toilets;
- What are the clean and dirty water sources, and how to keep water clean;
- Keep the food and utensils clean;
- Good health and clean environment go together.

Managers are trained locally for maintenance and protection of the wells. They make sure surroundings of the well stay clean and protected against animals or vandalism.

Testing water regularly.
To assess if it’s safe for human consumption, water is tested often and hold to the highest safety standards.
In the Project area, local people typically use wood fuel on inefficient three-stone fires to purify their drinking, cleaning and washing water. This process results in the release of greenhouse gas emissions from the combustion of wood.

Through the implementation of safe water solutions such as the rehabilitation of new boreholes, there is no need to purify water for drinking, cleaning and washing. This leads to a reduction in wood consumption and as a result to a reduction of greenhouse gas emissions.

Most of the firewood gets collected in the nearby forest, which puts a lot of pressure on the ecosystem. Preserving the forest also preserves the biodiversity, safeguards environmental services, prevents soil erosion, landslides and so on.
The burden of collecting crucial household resources falls disproportionately on women. With the help of this Project, they save a lot of time that can be used for other activities generating income, for education or to spend more time with family.

General health is improving since less contaminated water is being consumed due to the wells, the WASH awareness campaigns and the trainings. The Project has also resulted in a decrease in respiratory illnesses by the avoidance of indoor air pollution that would have been caused by the burning of wood when purifying water.

A stakeholder engagement process for the Project in the Nyagatare district has been put into place, ensuring that communities value and endorse the Project.
The Gold Standard certification body checks the impact of the Project throughout its lifespan, both in terms of greenhouse gas emissions reduction and several other co-benefits. In order to do so, a lot of data has to be collected on the spot, such as the quantity of wood used to boil water if the Project didn’t exist, the number of people positively impacted by the Project, etc. This data is collected by independent researchers, according to specific criteria defined by the Gold Standard.

Each level of the Project allows important CO₂ reductions & creates many co-benefits for the local population, in line with the United Nations Sustainable Development Goals.
**BETTER HEALTH**
- Nutrition improvement
- Hygiene improvement
- Leading to gender equality

**CLIMATE IMPROVEMENT**
- Avoiding pollution inside homes
- Reducing of carbon emissions
- A preserved ecosystem
- Saving time

**CLIMATE IMPROVEMENT**
- Reducing of carbon emissions
- A preserved ecosystem

**ECONOMY & EMPLOYMENT**
- Decreasing fuel costs
- Rehabilitated infrastructure
- Saving time

**NATURE PRESERVATION**
- Less burnt wood
- Limitation of soil erosion
- Preservation of biodiversity

**NATURE PRESERVATION**
- Less burnt wood
- Limitation of soil erosion
- Preservation of biodiversity

**HEALTH**
- Disease reduction
- Hygiene improvement

**HEALTH**
- Disease reduction
- Hygiene improvement
“HOW CAN WE REDUCE OUR CLIMATE IMPACT AND THAT OF OTHERS?”

This is the first question the team of CO2logic asked themselves, back in 2004.

There are often limits to the CO₂ emissions that can currently be reduced, and each remaining tonne of CO₂ has a high cost for society & future generations. At CO2logic we firmly believe that future generations are not responsible for these “climate disruption costs”. That’s why CO2logic supports companies and organisations in reducing and offsetting their impact on climate & the environment: by supporting & developing climate projects that generate carbon credits. This is the way to give back and restore the balance.

A WORD FROM ANTOINE GEERINCKX, FOUNDER OF CO2LOGIC

“There is only one atmosphere and there are no borders for CO₂ emissions. Our climate projects help in avoiding deforestation through education, collaboration, energy efficiency, fuel switch, renewable energy, reforestation, access to clean water. We act to improve the livelihood of local people while addressing the global climate breakdown. We are all interconnected.”