



GRP ensures safe and sustainable water supply in Ivory Coast



Amiblu®

Following a severe period of draught, the city of Bouaké was provided with a new effective water management system. Amiblu supplied 70 km of GRP pipes for the project.

Bouaké is the second-largest city in Ivory Coast with a population of around 740,000. In late spring and summer of 2018, the city experienced an acute water supply crisis due to the drying up of the La Loka dam lake, the main source of water supply for the city and its surroundings.

To prevent such a crisis from happening again, the National Office of Potable Water in Ivory Coast (ONEP) commissioned a comprehensive water safety project. It consists of three main parts:

- a water intake in the Bandama River (the longest river in Ivory Coast), channeling the water up to a water treatment plant located at 49 km from the intake point,
- the rehabilitation and capacity increase of the existing water treatment plant,
- and a new tank at the entrance of the city, fed by a pipeline of around 15 km length.

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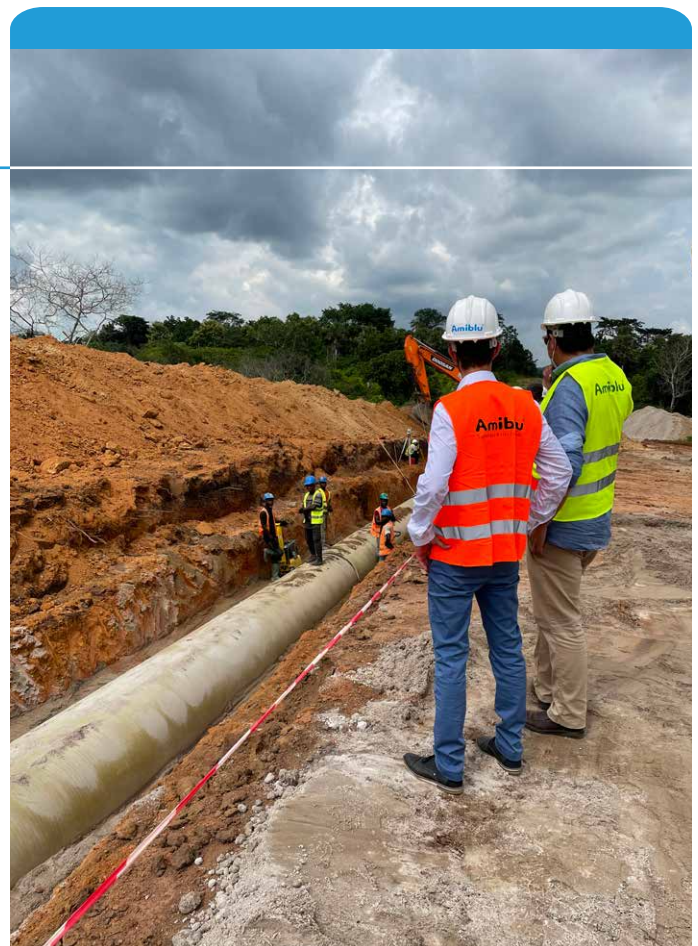
Country City	Ivory Coast Bouaké
Year of construction	2019 - 2022
Application	Potable Water
Total length of pipe	70,000 m
Nominal diameter	DN 1000, DN 1200 (mm)
Nominal pressure	PN 20 (bar)
Nominal stiffness	SN 10,000 (N/m ²)
Technology	Flowtite Grey
Installation	Open Trench
General Contractor	PFO Côte d'Ivoire
Building Contractor	Franzetti (subsidiary of SADE / VEOLIA Group)
Owner	National Bureau of Potable Water (ONEP)
Financed by	Société Générale

Amiblu delivered 70 km of GRP pressure pipes DN 1000 and 1200, PN 20, which were installed in open trench for the Bandama River pipeline and as supply channel for the potable water tank.

The chosen product type was Flowtite Grey, an extra impact resistant filament wound pipe that is particularly suitable for rough installation conditions.

With a capacity of 6,000 m³/h, the new pipe infrastructure is capable of supplying sufficient water to the surrounding communities.

Amiblu has contributed to the project's objectives to meet the water demand by 2045 and sustainably secure the drinking water supply system to more than 1.5 million people. The deliveries were completed in March 2021 while the complete piping system was put into operation in April 2022.



The pipes were installed in open trench and put into operation in April 2022.

Amiblu supplied 70,000 m of Flowtite Grey pipes for the new water management system in Bouaké. Flowtite Grey is particularly suitable for water mains and other pressure applications and provides extra impact resistance.

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