



## AT A GLANCE

**Location:**

Tomboco, Angola

**Client:**

Municipality of Tomboco

**Project:**

Supply of a containerized drinking water treatment plant including installation, commissioning and start-up and training for local operators.

**Water treatment plant:**

Euro Mec COMPACT UNIT CU40-01, containerized drinking water treatment plant

**Raw water source:**

Rio Mbridge River

**Treated water quality:**

Drinking water

**Capacity:**

40 m<sup>3</sup>/hour

EU317908CE

EU414610CE

## DRINKING WATER FOR TOMBOCO, ANGOLA

Euro Mec supplied a water treatment plant for the production of drinking water from the brackish water of the Rio Mbridge River to the people of Tomboco in the in the Angolan province of Zaire. As part of the project Euro Mec also provided the necessary onsite technical support for the installation, commissioning and start-up of the system as well as training for local operators responsible for the management and maintenance of the plant.

The CU40-01 water treatment plant for Tomboco consists of two sections: the first section is a sedimentation unit with lamella settler from which a lift station pumps the water to a second section where it is further treated through sand filtration.

As well as eliminating solid particles, bacteria and organic matter typically found in this type of water the CU40 is specifically designed to also treat periodic turbidity of the river water. Turbidity is the amount of cloudiness in water and during Angola's rainy season river water carries a lot of sand, silt and mud giving it a very high turbidity. These particles are removed by the first section of the treatment plant in order to save the filters in the second section. As well as ensuring the production of high quality drinking water this feature reduces maintenance requirements.

The CU40-01 is housed inside two shipping containers (modified and recertified for transport) so the whole system is easily transported and rapidly installed onsite.

*The photos show the containerised plant during its installation (right) and men, women and children collection fresh water from the plant in its first days of operation (top and left)*

