

## Package Plants for Potable Water

### NEW HALFA IRRIGATION AREA (SUDAN)

New Halfa is an irrigation area situated in eastern Sudan, near to the town Kassala. It was developed for the displaced people from the town Halfa, who lost their home near the Egyptian border due to flooding the Lake Assuan in 1970. Now a dam at the seasonal river Atbara is charging the water to long irrigation channels. At that time treatment

#### Drinking Water from Rivers and Lakes

plants for drinking water were erected with natural sand filters, but they have been out of service for a long time and many diseases, especially of children, were the result.

Together with the local NGO El sugya MENA-Water is taking care of the water situation in Sudan.



MENA-Water delivered and installed containerized plants as complete solution containing all treatment steps for potable water. This MENA-Water potable water package plant is completely prefabricated in our workshop and installation at site is possible with a minimum of civil works. This enables short realization times, even in very faraway regions.

The startup of the first plants was in 2008 and meanwhile more than a dozen plants are installed, also for other irrigation areas. Diseases in the connected places have drastically decreased and people are grateful for the improvement of their quality of life.



#### PROJECT DATA

- raw water pumping
- treatment containers with a flow of 500 m<sup>3</sup>/d each including:
  - screening, flocculation, gravity sand filtration, disinfection
- treated water pumping
- power generator

