

International Department

Immediate measures: Trainings and Optimization for water supply and sanitation services in Ouagadougou



As part of a larger program this project focuses on accompanying measures and capacity development. A memorandum of understanding between ONEA and HAMBURG WASSER forms the frame for this collaboration which aims at an intensive exchange of utility expertise between the two operators.

These are the four main thematic areas:

- Optimization of the WTPs in Paspanga and Ziga
- Water supply network and energy efficiency (incl. hydraulic modeling)
- Optimization of the WWTP operation, the sludge receiving station and the wastewater network
- Regulation of indirect discharge of industrial waste water

Project stage 1)

- Review of the prevalent processes
- Evaluation of ONEA's organizational structure
- Analysis of the challenges occurring at various technical stations (pumping stations, WTPs and WWTPs)
- Introduction of key performance indicators
- Identification of training needs
- Proposal and implementation of optimization measures, e.g. pilot zoning

Project stage 2)

- Execution of trainings in accordance with needs assessment in the fields of water treatment, chemical use reduction, energy efficiency, hydraulic analysis of the distribution network,
- Optimization of WWTP processes and sludge treatment
- Support in the identification of regulations
- Effects of the proposed changes were monitored
- Evaluation of the optimization measures and facilitation of a continuous optimization process

In between the two phases, the implementation of the proposed optimization measures and the development of the performance indicators took place in close cooperation.

Client:

ONEA - Office national de l'eau et de l'assainissement

Financed by:

EU

Information:

Project country:	Burkina Faso
Overall project value (EUR):	198.100,00
Provided staff:	11 Key Experts

Service provided:

- Analysis of water treatment processes
- Reduction of chemicals use and treatment costs while improving drinking water quality
- Proposing optimization measures
- Development of key performance indicators together with ONEA in order to monitor long-term processes and effects of proposed measures on the performance of treatment systems
- Analysis of training needs and training implementation
- Hydraulic analysis, including training and modeling of the distribution network and pumping stations
- Proposing optimization measures for energy efficiency
- Thorough assessment of the waste water treatment processes
- Development of improved maintenance strategies
- Proposals and implementation of optimization measures

Implementation:

2015 - 2016