



**ELBASAN**  
Peqin  
Librazhd  
Belsh  
Cërrik  
Gramsh

## UKR Elbasan



# UKR Elbasan - EUR 13.8 million WPIP / MIP V investment measures



*In Elbasan 13.8 million Euro WPIP / MIP V investment provides new water supply networks, new and enhanced system of water distribution and consumption surveillance and control, new and improved water reservoirs as well as a new waste water network for protecting the drinking water sources.*

*Thanks to the support of German Financial Cooperation through KfW, the European Union, SECO and the Albanian Government, through the WPIP / MIP V Programme, about 49,000 citizens as well as the continuously growing number of tourists are benefiting from the new and improved infrastructure.*



## Drinking water network rehabilitation and extension



- Over 43.8 km of mains pipes were replaced and 2,600 new house connections are now installed
- About 7,300 new individual water meters have been installed in Elbasan



Cutting asphalt for preparing installation of network.



Individual water meters for households are key for fair, transparent and just invoicing of water consumption.



New main distribution pipes are installed.



## New drinking water reservoir and full rehabilitation of existing reservoirs



Construction of the new water reservoir Krasta e Madhe, which will contain 2,000 m<sup>3</sup> of fresh and clean drinking water



Installation works of a new pump for the rehabilitated water reservoir Krasta e Madhe



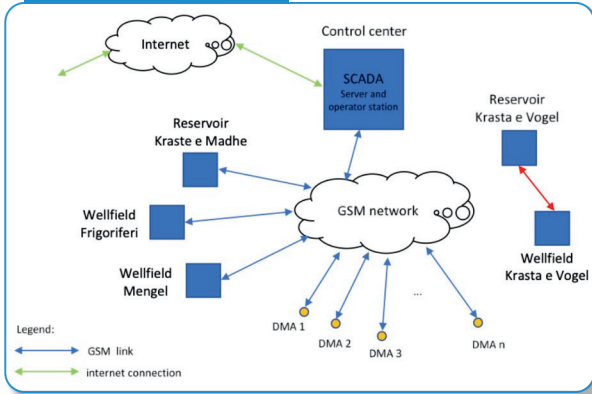
Control board of the rehabilitated water reservoir Krasta e Madhe.

- The old main reservoir of Krasta e Madhe was demolished and a completely new main reservoir in Krasta e Madhe of 2000 m<sup>3</sup> has been constructed
- All other existing reservoirs of Krasta e Madhe and Krasta e Vogel have been fully rehabilitated and modernised and are monitored and controlled now with the help of the new SCADA system



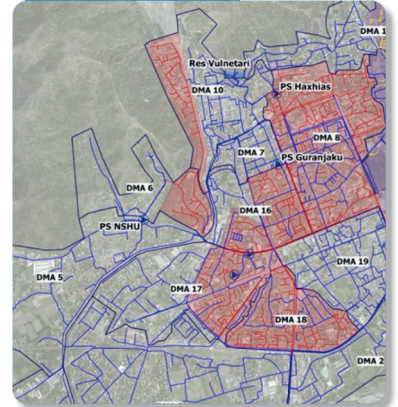
# Computerised monitoring for controlling the water network and reduce water loss

ScadaScheme Elbasan

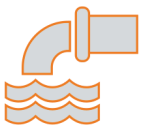


**DMA - 'District Measuring Area: water meters are installed in main pipes for comparing water consumption of all connected house meters with the quantity measured by the respective district meter. This indicates water leaks and/or illegal connections**

DMA in Elbasan



- The upgrading of the DMA system improves the network control and reduces loss of water \
- The implementation of a SCADA system ("Supervisory Control and Data Acquisition") allows to monitor in real time all relevant elements of the drinking water system of Fier: monitoring and controlling of reservoirs, well fields and water distribution networks. Any problem can immediately be identified by flow and pressure sensors and is shown on the computer screen



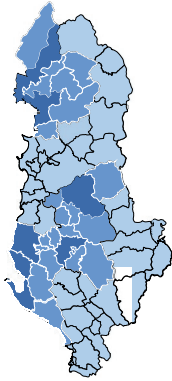
## Protecting the well fields

- Construction of a 3.4 km wastewater network to protect the well fields Kraste e Vogel, Mengel and Frigoriferi



Works on new wastewater system for protection of drinking water wells.

## Overall WPIP MIP V - EUR 145.7 million investment measures for 6 regional water supply and sewerage companies



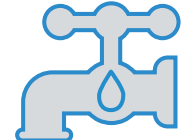
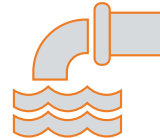
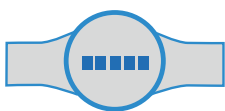
WPIP / MIP V program supports 6 regional water supply and sewerage companies

**UKR Berat** including Dimal, Kuçovë, Polican and Skrapar;  
**UKR Elbasan** including Belsh, Cërrik, Gramsh, Librazhd and Peqin;  
**UKR Fier** including Mallakastër, Patos and Roskovec;  
**UKR Lezhë** including Kurbin and Mirditë;  
**UKR Shkodër** including Fushë Arrëz, Malësia e Madhe, Pukë and Vau i Dejës;  
**UKR Vlorë** including Himarë and Selenicë;

Overall investment of EUR 145.7 million through the WPIP / MIP V Program

German Financial Cooperation 'through KfW	Loan	EUR 80 million
German Government	Grant	EUR 9 million
EU IPA	Grant	EUR 43.4 million
SECO	Grant	EUR 13.3 million

## Overall WPIP MIP V expected results and benefits



100 % coverage of **Direct Operational Costs**;  
 Reduction of water losses;  
 Adapted tariff plans;  
 Improved invoicing, collection rate constantly over 85 %;  
 Verified improvement of **good governance**

30,000 persons with increased **resilience to storm water** incidents in Lezha

152,000 population effectively connected to operational **waste water collection with centralized treatment systems**, monitored in accordance with EU directives

Increased population effectively connected to **improved and/or new drinking water network**.  
 Increased average **daily water supply hours from 13 to 16 hours**

