

HYDROPHIL's journey in Central Asia



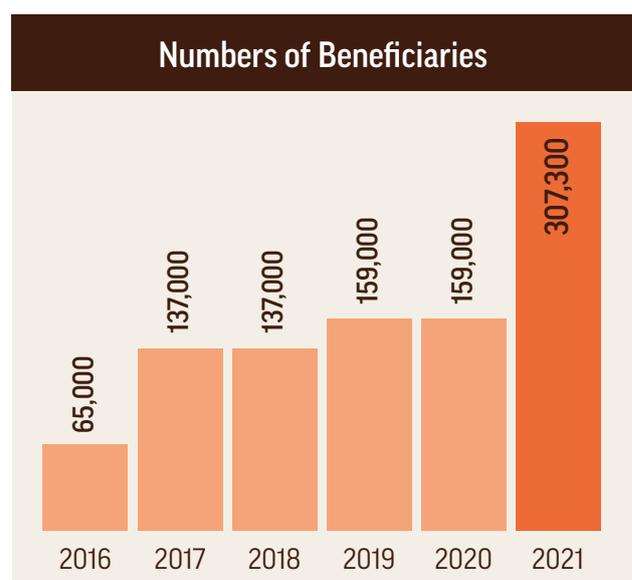
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Deputy Prime Minister Usmonali Usmonzoda from Tajikistan, the Austrian Foreign Minister Michael Linhart and HYDROPHIL's Managing Director Gerald Eder, at the Nurek Hydropower Dam during a trip to Central Asia, 6.11.2021, Tajikistan

London (EBRD), Washington (The World Bank), New York (UNICEF), Rome (FAO), Brussels (EU) and Manila (ADB); it may be the global headquarters of international organisations defining the policy frameworks, but it's the local level where projects have to be implemented. **HYDROPHIL plays a vital role here as an „honest broker“** providing a link between the international institutions and the local municipalities and regions.

It's HYDROPHIL's ability to successfully bridge this immense institutional distance that forms the backbone of its great success, especially in Central Asia. Such success is only possible through an **innovative engagement strategy** consisting of Relationships built on trust over many years while working with international financial institutions (IFIs) and in the implementation of their guidelines consistently.

- ▶ Intensive capacity building of local authorities and clients leading to the successful implementation of innovative technical solutions
- ▶ Thorough training of local experts and familiarisation of local companies with European standards



Consistently following this strategy - and successfully fulfilling these goals over many years - is the outstanding performance feature of HYDROPHIL.

Central Asia - one of the world regions most affected by climate change.

Climate change will stress water resources impacting water supply, agriculture, and the energy sector. Over the next thirty years, population growth and economic development will likely increase the demand for water and land resources. Central Asia is expected to reach or even pass the peak of water availability between 2030 and 2050 in river basins. Long term, the rate of climate change and the severity of its consequences, coupled with population dynamics and socioeconomic status, will be among the main factors that determine peace and prosperity in the entire region.

The projects of HYDROPHIL in this tense situation are successful due to

- ▶ their immense social importance
- ▶ the fact that they strengthen resilience to the consequences of climate change, and they bring long-term and measurable improvements for the population. The projects HYDROPHIL is implementing in the sub-sector of communal water and wastewater services in Central Asia today directly affect the lives of around 300,000 people by modernising their drinking water supply and wastewater systems.



Innovation is part of the solution!

HYDROPHIL is involved in programming activities that will have a strong leverage effect of additional financing of the water sector in the region. An outstanding example is the development of the **Tajik National Water Supply and Sanitation Program**, which will affect the entire country's population.

Europe and Central Asia Regional Water Security

Water Security is a new concept that works across sectors (agriculture, energy, and water) and across regions. HYDROPHIL helped make this tangible through the „Europe and Central Asia Regional Water Security Initiative“; allowing the World Bank to plan future investments. This is another demonstration of HYDROPHIL's „thought leadership“ role. Once again, the concept developed by HYDROPHIL will be ground-breaking for an entire region.  **World Bank contracted**

Since early 2000, HYDROPHIL has had an eye on Central Asia because of vital infrastructure development needs, which was a consequence of the collapse of the Soviet Union.



Bishkek, Kyrgyz Republic



Dushanbe, Tajikistan



Astana, Kazakhstan

HYDROPHIL's journey in Central Asia started in the **Kyrgyz Republic in 2005** while working on a sanitation project in Bishkek and Osh. We improved sanitary conditions and residents' livelihoods in low-income settlements, the Novostroykas.  **World Bank contracted**

From 2006 until 2008, HYDROPHIL continued its journey in the **Kyrgyz Republic and Tajikistan** by identifying mitigation and adaptation options on land and water use. **Between 2009 and 2011**, HYDROPHIL reviewed and analysed the impact of climate change on the future flow of the upper **Amu Darya River in Tajikistan** and generated simulations of future streamflow for different climate scenarios. Tens of millions of inhabitants depend on irrigated water sourced from this river basin.  **Food and Agriculture Organization of the United Nations commissioned**

Between 2012 and 2014, our team worked on improving renewable energy infrastructure **in Tajikistan** by preparing plans to rehabilitate the 126 MW **Kairakkum** Hydro Power Plant for the national Power Company Barki Tojik.

 **European Bank for Reconstruction and Development (EBRD) financed**

In 2015, we started our engagement in **Kazakhstan** - right away in the capital with the analysis of the operational performance of the **Nur-Sultan** water company and prepared a priority investment plan for water supply and wastewater.

 **EBRD commissioned**

Then, **from 2016 until 2019**, HYDROPHIL supported the Government of **Kazakhstan** in implementing a new national-wide incentive-based tariff system for the water supply and wastewater sector. This modern, performance-based regulation framework was designed for the capitals of the 14 Kazakh provinces.  **EBRD funded**

From today until 2023, we are a member of a team that sets up the **Kazakh** Green Economic Financing Facility. This facility provides USD 30 million for private financing investments in sustainable energy and resource-efficient technologies.

 **EBRD funded**



Tashkent, Uzbekistan

Since 2016, HYDROPHIL has been continuously working on projects in the **Kyrgyz Republic**, and today we are implementing seven individual infrastructure projects in small towns simultaneously. All projects focus on rehabilitation works of urban water supply and wastewater systems for more than 300,000 inhabitants and are worth 36 million euros investment. 🏛️ **European Union Investment Facility for Central Asia and EBRD funded**

In 2020, we started to enter the **Uzbek** market when preparing a significant water infrastructure project for the **Tashkent Province** and a population of 2.8 million. 🏛️ **Asian Development Bank contracted**

Lastly, the most recent stop on HYDROPHIL's journey in Central Asia are in **Tajikistan** and the **Kyrgyz Republic**. HYDROPHIL is currently developing the **Tajik** National Water Supply and Sanitation Program for the entire country, which will leverage hundreds of million euros for the water sector in the future. 🏛️ **funded by The World Bank**

In the **Kyrgyz Republic**, our newest project is scheduled to begin very soon, where HYDROPHIL will provide project implementation support for the rehabilitation of the wastewater system in the City of Naryn. 🏛️ **EBRD funded**

Since the beginning of HYDROPHIL's journey in Central Asia, we have seen an enormous development dynamic in the region. We want to continue contributing with our expertise.



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