



WATER MANAGEMENT AND WASTEWATER HANDLING

Access to clean and reliable drinking water and effective water distribution networks have a massive bearing on health and wellbeing. Agricultural development also depends heavily on prudent water resource management and irrigation. PMCG understands that, to ensure a higher quality of living standards for any population, having in place modern water infrastructure is imperative.

For funding institutions, national authorities, and affected communities seeking to satisfy national and local needs and to adhere to international standards, we provide assistance in terms of spatial and economic development, design of environmentally-friendly water supply frameworks, and sanitation and wastewater treatment facilities.

Pertinently, PMCG makes a notable contribution to improving living standards across countries in transition, supporting the building of key relevant infrastructure, while also boosting the capabilities

of government bodies to handle water resources in a more cost-effective manner.

PMCG covers the following areas under water management and wastewater handling:

- Water supply systems, distribution networks and water treatment plants;
- Irrigation systems;
- Dam safety assessment;
- Feasibility studies;
- Development of environmental, health and safety, and social management systems (EHSSs);
- Preparation of environmental and social impact assessments;
- Building the capacity of national authorities in financial, technical, and commercial aspects;
- Construction supervision; and
- Preparation of emergency response plans.

PROJECTS:

Georgia:

URBAN SERVICES IMPROVEMENT INVESTMENT PROGRAM (ADB; 2020-2023)

As part of a consortium alongside Hill International and Temelsu, PMCG was engaged in a construction supervision project entailing the construction/rehabilitation of water and sewerage systems in the course of the ADB-financed Urban Services Improvement Investment Program. The project strived to enhance the United Water Supply Company of Georgia's services via the provision of construction, rehabilitation and renovation works for three Georgian towns. To make sure the project was implemented effectively, PMCG's team (composed of engineers, a social safeguards specialist, and an environmental specialist) supervised construction activities, evaluated the management of unanticipated involuntary settlement impacts, monitored compliance of construction.



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Georgia:

SUPERVISION OF REHABILITATION OF WATER SUPPLY SYSTEMS UNDER WIMP II PHASE II (EIB; 2017-2019)

PMCG, alongside Temelsu, took part in a European Investment Bank (EIB) project, supervising construction and rehabilitation in 18 Georgian towns, and implementing numerous small-scale investment schemes to bolster water service provision.

Georgia:

ELABORATION OF CONCEPT AND FEASIBILITY STUDIES FOR COMMUNAL INFRASTRUCTURE FOR ENVIRONMENTAL AND TOURISM IMPROVEMENT (KFW; 2018-2019)

Covering the region of Mtskheta-Mtianeti, this project entailed the rehabilitation/implementation of environmentally-friendly communal infrastructure. PMCG, in a consortium headed by P2M Berlin alongside IDOM, conducted feasibility studies to enhance the environment as well as tourism opportunities. In particular, basic data on current physical infrastructure were produced, the status quo for wastewater disposal was assessed, the legal framework was analyzed, and institutional and economic concepts were developed. Moreover, PMCG assisted in hydro-geological and water-quality investigations, planning general and technical plans and concepts, preparing preliminary design for the first investment phase, environmental and social impact analysis, and of a land use plan.

Georgia:

IMPROVING THE SUPPLY OF DRINKING WATER AND ENVIRONMENTALLY-SAFE SANITATION INFRASTRUCTURE (KFW; 2022-2029)

We, as part of a consortium led by Fichtner Management Consulting, are working on a project "Communal Infrastructure for Environment and Tourism Improvement – Lot 2: Accompanying Measures" devoted to enhancing living standards in four municipalities in Georgia by ensuring the provision of hygienic drinking water and environmentally-sound infrastructure. It is anticipated that the project will benefit the health of local populations.

Specifically, we are assisting the United Water Supply Company of Georgia (UWSCG) through building the capacity of its various regional and local service centers, launching awareness-raising and information campaigns, and utilizing a collaborative workflow tool known as TruBudget to follow the activities and accomplishments of donor-funded investment projects.

Georgia:

TELAVI WATER SUPPLY PROJECT – SUPERVISION SERVICES (ADB; 2021-2023)

To address Telavi's outdated water infrastructure, PMCG, together with Temelsu, is engaged in the Sustainable Water Supply and Sanitation Sector Development Program. The project mainly intends to improve the water system of the town of Telavi in eastern Georgia, which has long needed substantial rehabilitation, with water supply still limited for many residents. The envisaged work includes the construction of wells, reservoirs, transmission mains, a distribution network, and thousands of household connections.

Georgia:

DATA COLLECTION IN SUPPORT OF THE WATER POLICY REFORM (USAID; 2019)

The project's main goal was to assist the MRDI of Georgia to further decentralize water and wastewater management systems, focusing primarily on the regions of Guria and Mtskheta-Mtianeti. In particular, PMCG, under the USAID-funded Good Governance Initiative, held various meetings, discussions, and interviews with stakeholders, performed desk research, established in-depth service maps, collected descriptions of investments (past, present, and future) in water delivery and wastewater for the target areas, drafted organizational charts, determined whether formal assistance was required, and gathered data on local investments in plant and equipment.

Georgia:

INDEPENDENT DAM SAFETY ASSESSMENT AND DESIGN & AUTHOR'S SUPERVISION OF DAM SAFETY ACTIVITIES FOR ALGETI & SIONI DAMS (WORLD BANK; 2018-2021)

PMCG played a key role in assessing the safety of Algeti and Sioni dams in Georgia, as part of a consortium led by Temelsu. The primary aim of the project was to assess the condition of the aforementioned facilities which feed crucial irrigation systems, including the examination of appurtenances and performance records, as well as drafting safety assessment reports in line with World Bank requirements.

Georgia:

MANAGEMENT IMPROVEMENT PROGRAM WITH UNITED WATER SUPPLY COMPANY (ADB; 2013-2016)

We cooperated with Sachsen Wasser GmbH (lead partner) as part of the ADB-financed Urban Services Improvement Investment Program, to boost the company's overall performance. With this in mind, PMCG supported and implemented measures to improve commercial and customer relations management, to improve billing and bill collection management, to gather and analyze monthly data, to help the international tariff expert to devise a suitable policy, and to carry out workshops and training for local staff.



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