



SEPA

MÜHENDİSLİK VE MÜŞAVİRLİK

ENGINEERING AND CONSULTING



About SEPA

Since its establishment on 11 July 1990, SEPA has carried out numerous projects, and is one of the leader engineering and consultancy companies in our country. Our company takes on important tasks in realizing international big scaled projects and also maintains its development in this field. SEPA is a big family with the Experienced Civil Engineers, Mechanical, Electricity, Environmental, Survey, Geology and Agriculture Engineers, Technicians/Draftsmen and a number of staff charged in various administrative tasks. We know that the numeral growths are not reason but result of the permanent achievements. We aim to show our leader and innovative power with the innovations we bring to the sector, expertise and service quality we provide. In this sense, SEPA will continue to move toward becoming the best with its experienced staff, knowledge, innovative applications in the engineering and consultancy services. We are excited and proud of appearing before you more powerful than in yesterday. We would like to thank you for your full faith and credit that carried us to this point and would like this to be known that our priority is, as always, you, our customers.





History

In July 1990, SEPA started put with the approach of "from universal principles to the solutions specific to you", and became more powerful upon merging with MET PROJE in 2011. The synergy, arising from this merging, brought us to a position where we look to the future with confidence and become more assertive. Our company, from its establishment until today, has grown upon progressing step by step as a result of implementing the quality targets ncompromisingly at every stage of services which we provided. We also would like to thank all our colleagues one by one who were contributing efforts within this process. SEPA has taken various tasks in the projects related to its profession by realizing a number of public investments under the Ministry of National Education, Ministry of Energy, Ministry of Environment and Forest and various Governorships. In addition, SEPA has completed numerous projects with the private sector since its establishment. SEPA will continue to provide the service with its experienced staff on which both public and private sector customers reach to their investment targets. We wish to create value add by providing integrated solutions in the most complex tasks and to make contribution to reating a better future by providing service to our customers within an understanding of business partnership.



Quality Policy

Our quality notion may be summarized as "making the best of what we do". SEPA, having the ISO quality certificate, adopts the quality policy as follows; Meeting the customer satisfaction and expectations unconditionally Producing fast, timely and correct service Implementing the up-to-date quality standards at every stage of services Maintaining the va-company training policy at every level Continuous research, development and improvement Attaching importance to team work in order to enhance quality, productivity and profitability Meeting the requirements of international, national and local environmental policies, and environmental management standards regarding our activity fields Acting by considering that the "most valuable source is the human".



SEPA

Technology

The infrastructure necessary to provide the services requested by the customer fast, timely and faultless was established. To this end, many professional computation and drawing software and general purposed software are used. By this software, all calculation techniques and simulation of physical processes are possible. In order to enhance its design capacity and quality, SEPA produces the software required based on the project and puts it in service. We benefit from the advantages of modern technology by using all equipment, engineering tool and equipment and test devices.



SEPA provides specialized services to Governmental and private entities, in Turkey and internationally, having as its main concern the Clients' needs and requirements and their full satisfaction with the services provided. The multidisciplinary services provided by SEPA can be rendered covering the global project from conceptual design to operation and maintenance or, partially, as a complement to services provided by the Clients. SEPA activity covers a wide range of specialized technical consultancy services such as Project Management, Engineering, Environment, Energy and Industry and associated disciplines.

CONSULTANCY

- Control
- Contractor Selection
- Technical Advice
- Preparation of
- Tender Documents

PLANNING & FEASIBILITY

- Irrigation & Drainage Systems
- Drinking, Potable & Industrial Water Supply & Distribution Dams and HEPP's
- Wastewater Cleaning Facilities
- Sewerage & Rainwater Drainage Systems

ENVIRONMENT

- Environmental Technologies & Environmental Impact Assessments Wastewater Treatments
- Biodiversity surveys
- Wastewater Cleaning Facilities
- Sewerage & Rainwater Drainage Systems

BUILDINGS

- Housing, Hotel, Hospital & Business Centers
- Industrial Buildings
- Machinery Foundation
- Retaining Structures & Anchorages
- Military Structures

ENGINEERING

- Irrigation & Drainage Systems
- Urban Infrastructure
- Dams and HEPP's
- Transportation Structures
- Steel Structures



Sepa Engineering has local and international control and consultancy experience on water structures, airports, infrastructure facilities and buildings.



Dalaman Airport New International Building Project Control.

Antalya Airport New International Building Project Control.

Almar Dam's Construction Site Buildings Landscaping & Residences far resetdement purposes on area.

Almar Dam Project Consultancy & Construction Supervision.

Edirne Meriç River, Archimeter Screw and Rubber Dam Construction Supervision.



Irrigation & Drainage Systems

Our company has a significant amount of knowledge on;

- Irrigation Dams, Ponds and Regulators
- Open channel and all the spring-estuary controlled art structures over it
- Galleria, Tunnel, Siphon, Aqueduct and similar Transmission Structures
- Piped Irrigation Systems
- Sprinkling and Dripping Irrigation Systems
- Pump Stations, Bridges
- Drainage Channels
- Flood Structure, Precipitation Dam, Flood Detention Dam, Berm, Cutwater, Bed Arrangement
- Geotechnical surveys and map procurement far all structures and has proven itself with an experience spanning more than 33 years on providing impeccable engineering services on all subjects related to "irrigation". We are honoured to be contributing to our country's socioeconomic development by carrying aut important projects.

Sepa executes the Irrigation and Drainage projects within the following order:

- 1. Stage:** Preliminary Repon
- 2. Stage:** Preparing the Pre-Application Projects
- 3. Stage:** Preparing the Projects Based on the Application
- 4. Stage:** Studying the Location of Application Project Routes and Art Structures , based on Detailed Application, Preparing the Measurements
- 5. Stage:** Preparing the Green File, Application Project and Credit Application Reports of the works , Preparing the Project's Original Map Sections and Calculations



Batman Dam Left Bank Irrigation and Operational Facilities Project

Batman Dam Right Bank Irrigation Project

Denizli Buldan Plain Irrigation Project

Devrekani Kulaksızlar Irrigation Planning Revision and Design Based On Application





İstanbul-Cumhuriyet Conventional Potable Water Treatment Plant
Elazığ Conventional Potable Water Treatment Plant

İskenderun Potable Water Design
Syria - Aleppo Quaik River Pumping Station



Aksaray Province Solid Waste Transfer Station Projects
Sivas-Şarkışla Conventional Potable Water Treatment Plant

Urban Infrastructure

Being aware that our country is lacking the resources to overcome the urban infrastructure problems in a short period of time, the main purpose of our company within this field of activity is to provide effective and economic solutions to our problems, through correct assessment of problems, scientific and sinan planning and management, by monitoring the scientific and technologic innovations related to systematic approaches and urban infrastructure applications, hence increasing the life quality in urban areas in a sustainable manner.

Resolving the urban infrastructure problems is possible through harmonized and coordinated interdisciplinary cooperation between Civil Engineering, Urban and Regional Planning, Architecture, Environmental Engineering, other engineering branches, as well as the relevant expertise areas of Social Sciences. With an experience spanning over 33 years, SEPA will continue towards creating better cities in terms of "Urban Infrastructure"; by creating the interdisciplinary cooperation environment in a constant and consistent manner.

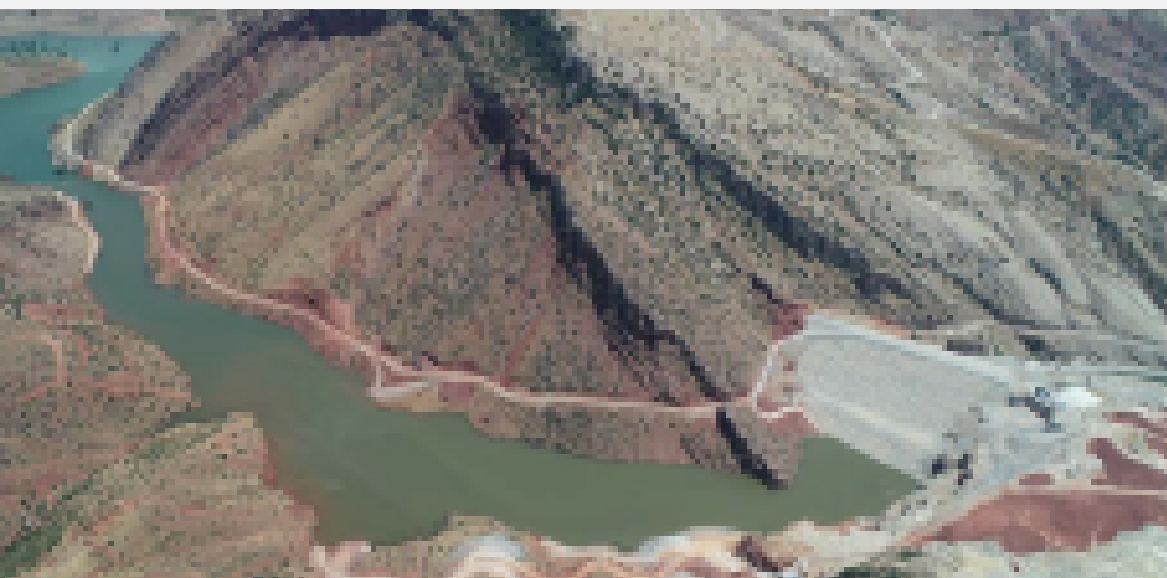




Sirvan Dam and Hydroelectric Power Plant

Description of Work: Clay-core rock-fill type dam with 77 m height from bottom and 69 m height from thalweg, 4.250 m energy tunnel and HEPP with 30 MW installed power

Type of Work: Planning and Application Project



Dams & HEEP's

Our company is highly experienced on the below subjects;

- Energy Dams and Hydroelectric Power Plants
- Open Channel, Galleria, Tunnel, Siphon, Aqueduct and similar energy oriented Transmission Structures
- Fare bays and farced pipes
- Regulator and all types of rotary structures
- Hydroelectric plants and turbine-generators as well as electromechanic equipment projects far all kinds of power systems
- Geotechnical surveys and map procurement far all structures

And is providing all kinds of engineering services related to "energy". Many projects of the energy sector, executed under the scope of Law 4628 in recent years to diminish our country's external dependence on energy, have been executed by our company.

Sepa has been successfully providing the fallowing engineering and consultancy services within the scope of energy projects.

- 1. Stage:** Geology
- 2. Stage:** Material Research
- 3. Stage:** Construction Works, Static and Concrete-Reinforcement Calculations
- 4. Stage:** Hydraulic Calculations
- 5. Stage:** Hydraulic Equipment Project Calculations
- 6. Stage:** Construction Planning
- 7. Stage:** Construction Cost Estimate
- 8. Stage:** Special Survey Repon
 - Seismic Risk Assessment Repon
 - Spillway Hydraulic Model Repon
 - Surface and Rock Mechanics Experiments Repon
 - Other Necessary Special Experiment Reports
- 9. Stage:** Technical Specifications



Dams & HEPP's

Garzan Dam & HEPP's Project

Description of Work: Clay-core, rock-fill type dam with 133 m height from bottom and 120 m height from thalweg and HEPP with 42 MW installed power

Ankara Haymana Türkşerefli Pond Dam and Irrigation Project

Description of Work: Clay-core, rock-fill pond dam of H=32 m height, and pipe network far 787 ha irrigation area

Çankırı Eldivan Sarayköy-il Dam Application Project

Description of Work: Preparation of application projects far irrigation purpose dam 33 meters high from thalweg

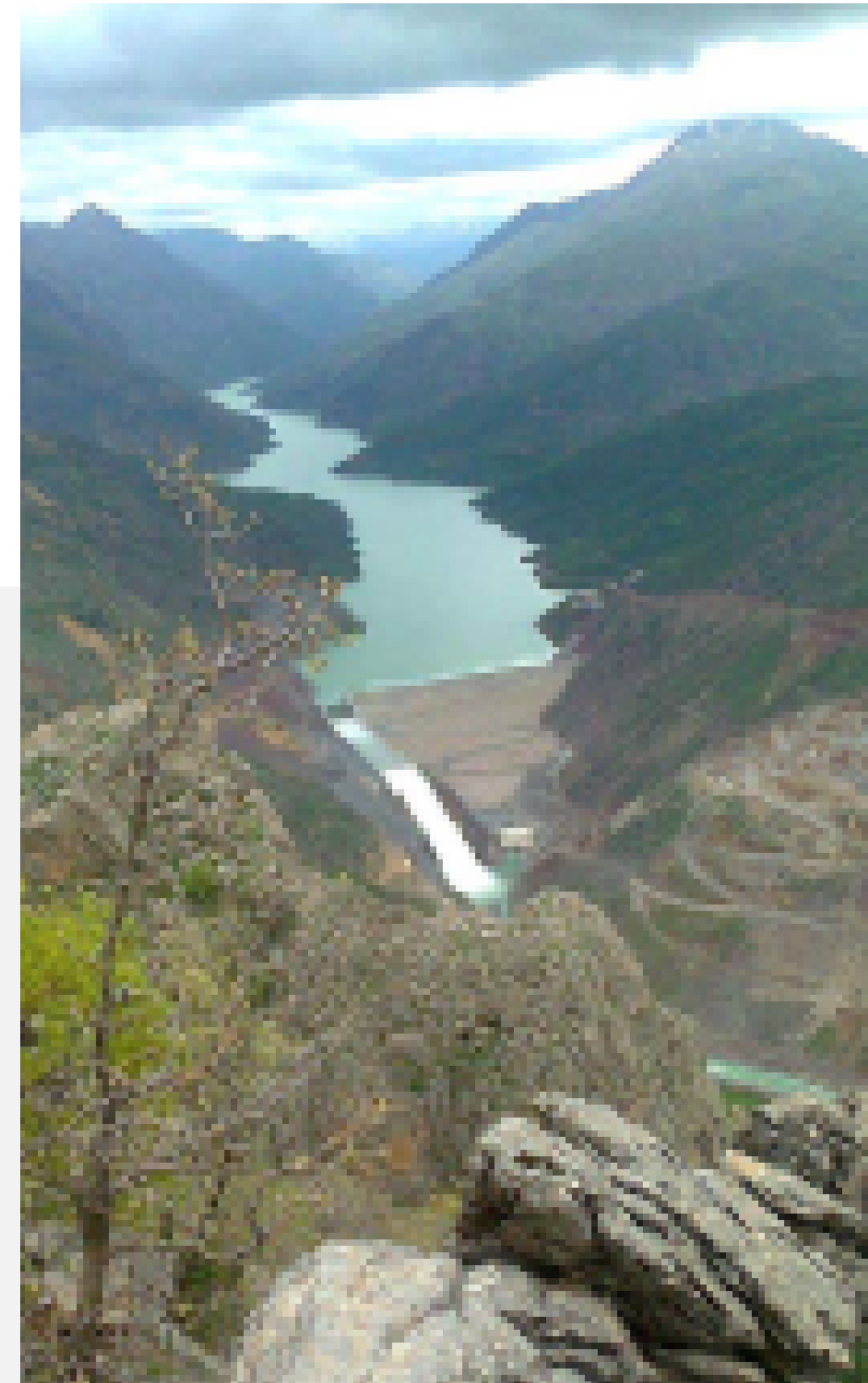


Ermenek Dam and HEPP Construction Potable Water Application Project

Description of Work: 2.168 m potable water transmission line and water tank

Bahçecik Dam Project. ali geological surveys, price determinations and final calculations (RCC Dam And Clean Water Treatment Plant

Description of Work: The purpose of this project is to prepare a detailed feasibility repon and to make a detailed design of the dam to be built to provide clean drinking water to the province of Gümüşhane. Within the scope of the project, there is one RCC dam body, pressure steel pipes and clean water treatment plant





Biodiversity surveys that will form the hasis for all protected area studies to be carried out in the wetland sub-basins of Yüksekova Nehil Reach



Ministry of Forestry and Water Affairs General Directorate of Nature Conservation National Parks - Project for identification of plant species that will be under the lake area of Karadere Dam



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Our company develops single or multipurpose projects far;

- Drinking, Utility and Industrial Water Acquirement-Distribution
- Sewer and Rainwater Drainage
- Utility water purification
- Waste water purification
- Irrigation and drainage systems
- Dams and hydroelectric energy generation
- Flood protection and control
- Establishing housing estates and successfully executes the planning to confirm their practicability, in terms of Preliminary Survey, Master Plan and technical and economic aspects.

During the survey and planning stage, final projects far the technically and economically approved investments are prepared, fallowed by the application project stage. All kinds of controlling and technical consultancy services during the fallowing procurement and construction periods are also provided by our company.

Data collection activities during all the above processes are perfarmmed through a coordinated work between the fallowing specialties, which are all an engineering discipline on its own:

- Observation
- Surveying
- Earth and Drainage
- Agricultural Economy
- Hydrology
- Environmental Impact Assessments
- Population and Urban Planning

During the survey and planning stage, final projects and application projects are prepared far the technically and economically approved investments by using 1/5.000, 1/2.000, and 1/1.000 scale maps.



East Black Sea Basin Master Plan Report Making

Description of Work: in the project we have done before, it consists ofa dam, HEPP and irrigation network. The criteria we have taken into consideration before detail design and the construction of the project are detailed below. Prefeasibility studies of more than 300 projects in 15 different cities were conducted far the planning of the water resources of the region

Kars River Basin 2nd Stage Project "Kars Alabalık Dam and Irrigation Planning and Feasibility Report Engineering Services

Description of Work: The purpose of this project is to prepare a detailed feasibility repon and to make a detailed design of the dam to be built to provide clean drinking water to the province of Gümüşhane. Within the scope of the project, there is one RCC dam body, pressure steel pipes and clean water treatment plant

Şirvan Dam HEPP and Irrigation Network Project

Description of Work: A Dam Body of Clay Core Rock Fill Type; Preparation of 30 Mw HEPP and Irrigation system projects

Garzan-2, Garzan-3 and Garzan-4 Regulators Feasibility Report

Description of Work: Preparation of feasibility repon far Regulator and HEPP facilities

Eruh Dam and Hydroelectric Power Plant Feasibility Report

Description of Work: Preparation of feasibility repon far Dam and HEPP facilities



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Uz Architecture/ GMG-BIN/ Summa

MICURINSKY FESTNAL SHOPPING CENTER

- Moscow/Russia

56.000 m2



Uz Architecture/ Summa

SEMYA SHOPPING CENTER

- Perm/Russia

70.000 m2



Uz Architecture/ Nova Group

PRIBREJNIY HOUSING COMPLEX AND SOCIAL FACILITIES

- Srednyursk/Ekaterinburg/Russia

35.700 m2



Uz Architecture / 0000 Niks & Co./
NOVASTROY OFFICE BUILDING AND HOTEL
 - Ekaterinburg / Russia
38.500 m2



Uz Architecture / 0000 Vektor
ELIZHAN HOUSING AND BUSINESS CENTER
 - Rostov Don / Russia
32.275 m2



Altu Architecture
LOKMAN HEKIM SINCAN HOSPITAL
 - Ankara/ Turkiye
17.500 m2



Altu Architecture

ISKUR GENERAL DIRECTORATE

- Ankara/ Turkiye

12.500 m2



Uz Architecture / 0000 Niks & Co./

General Directorate of Eti Mining Enterprises,

Kırka, Boron Operations Directorate

- Eskisehir / Turkiye

3 Evaporator Plants, Cooling Tower and one saturated solution tank Saturated Solution Building Semi-Closed Üre Stockpile BPH 1 A and B Buildings Steel Reinforcement Project New Anhydrous Borax Production Line and Generator Building Water Collection Pond Capacity Increase

THANK YOU



SEPA

ENGINEERING AND CONSULTING

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