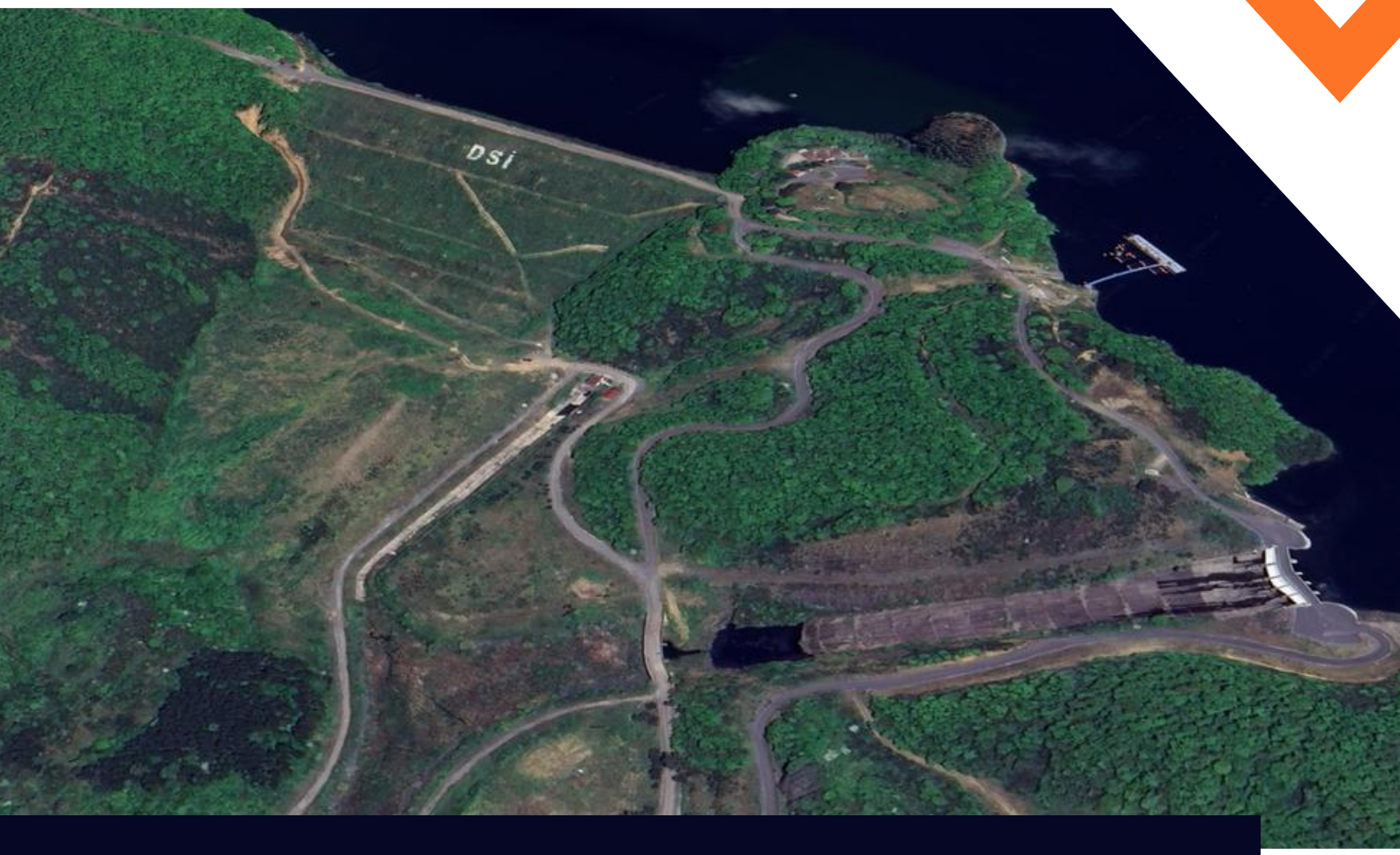
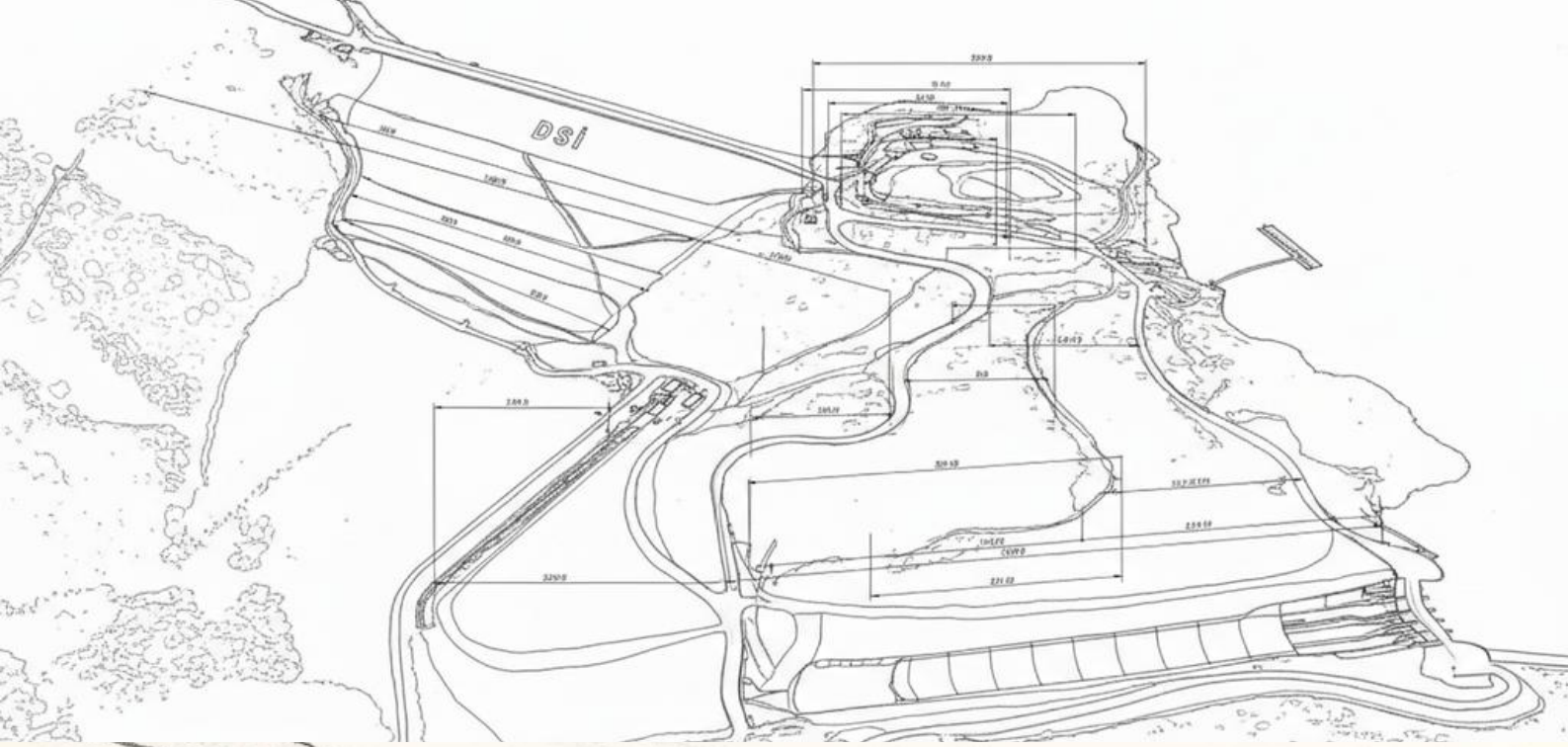
DAYMES
MÜHENDİSLİK

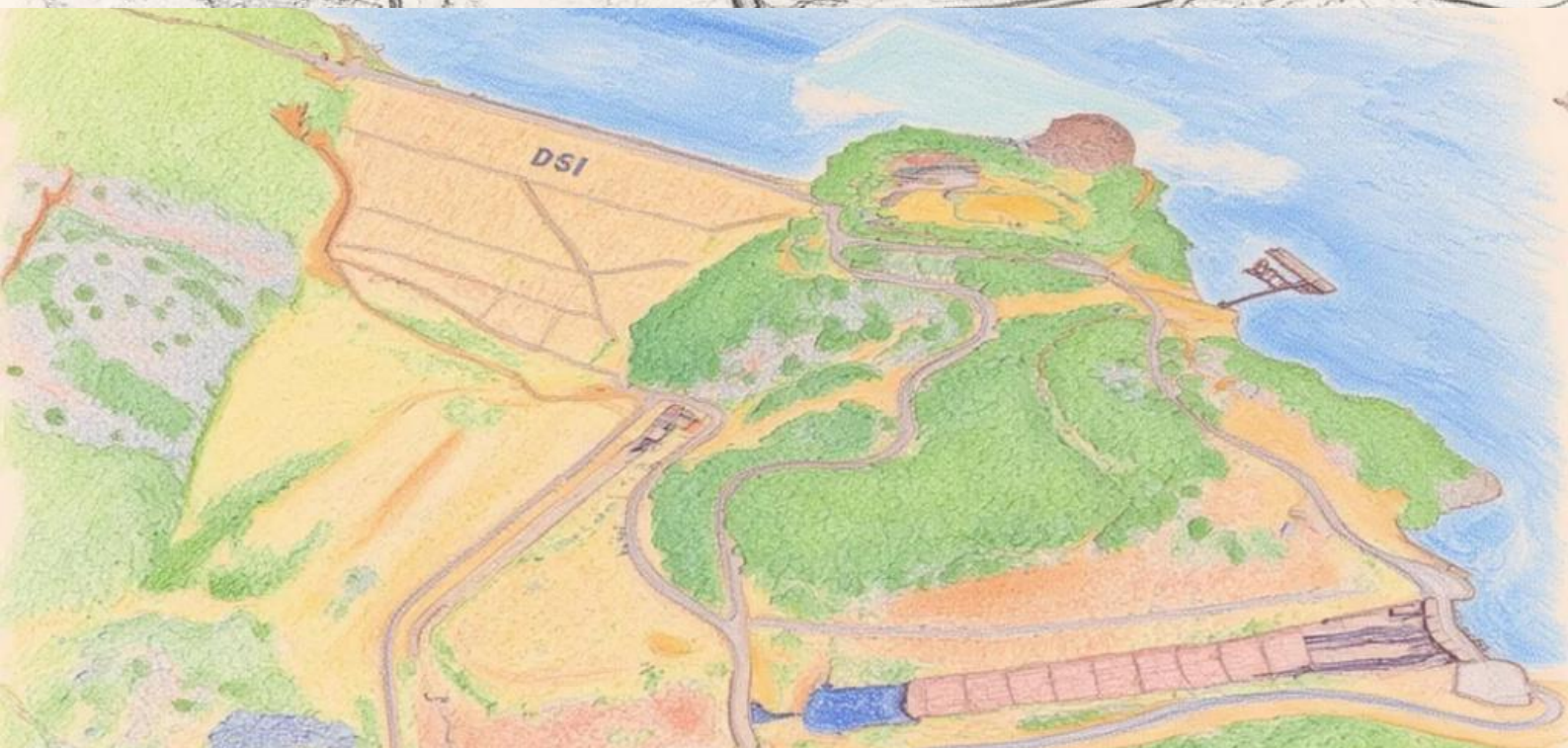


DAYMES
COMPANY
PROFILE

www.daymesmuhendislik.com


DSI


DSI


DSI

DAYMES MÜHENDİSLİK

CONTENTS

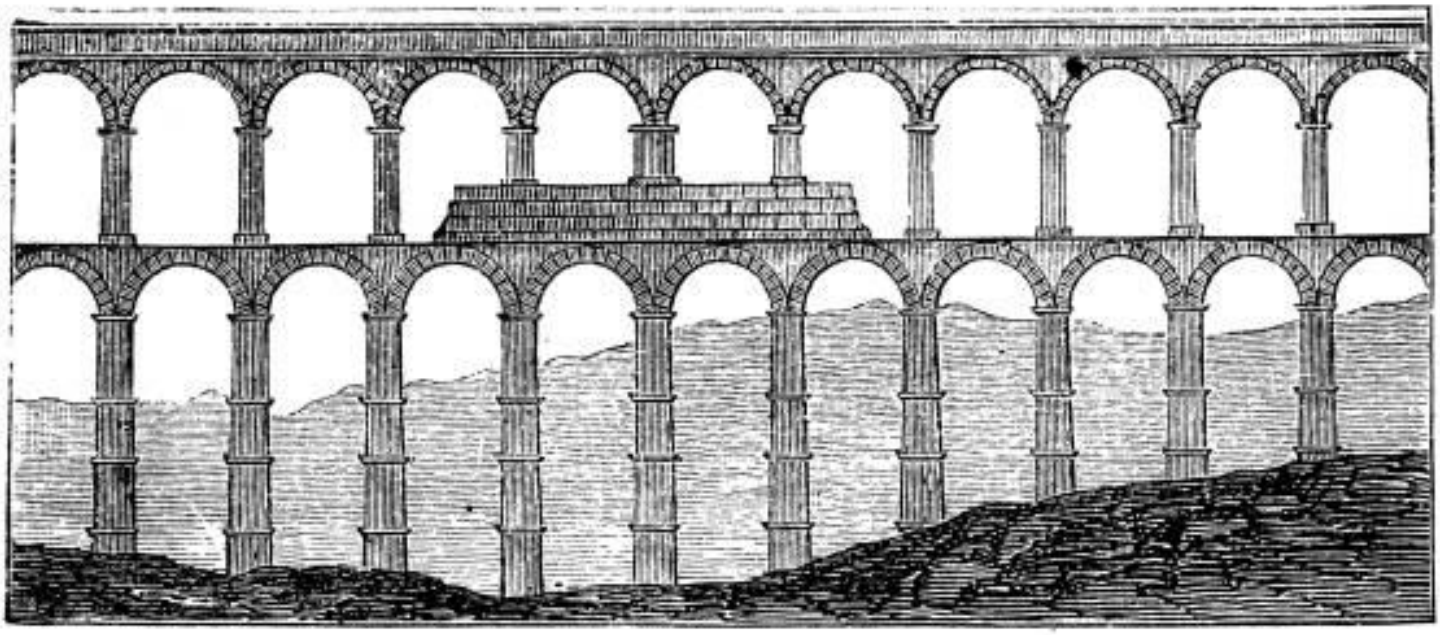
ABOUT US

DESIGN, PLANNING AND ENGINEERING SOLUTIONS

- DAM/POND AND IRRIGATION/DRINKING WATER SUPPLY
- DAM BREAK ANALYSIS AND EMERGENCY ACTION PLAN
- BASIN-SCALE PLANS
- FLOOD CONTROL/PROTECTION AND STREAM REHABILITATION
- MODELING STUDIES
- COASTAL STRUCTURES AND INTEGRATED COASTAL ZONE MANAGEMENT
- WASTEWATER AND STORMWATER, AND WATER DISTRIBUTION NETWORK DESIGN
- HIGHWAY, RAILWAY AND RAIL SYSTEM PROJECTS
- HYDROELECTRIC

REFERENCES

CONTACT INFORMATION



ABOUT US

We founded DAYMES in 2022 to institutionalize our years of field and design experience through the principles of ethical engineering.
Our goal is to integrate technical excellence in water, energy and infrastructure projects with international standards and environmental-social dynamics. From planning through implementation, we aim to build an organization that brings advanced engineering disciplines together under one roof at every stage, embracing a 'co-production' model with our solution partners.



AYŞE SEVİNİR



MERT SEVİNİR

A Reliable and Respected Solution Partner
Founded on the core principles of reliability and professional integrity, DAYMES is an innovative solution partner across every engineering discipline, from planning through implementation.

Collective Intelligence
At every stage of a project, DAYMES engineering solutions deliver the most advanced designs while aiming not merely to serve our business partners, but to create value together by meeting them on the common ground of "collective intelligence."

Cross-Disciplinary Knowledge
Across a broad field spanning water and environmental management to energy, and infrastructure to transportation, we design projects by blending international standards with the technical expertise of our dynamic team.

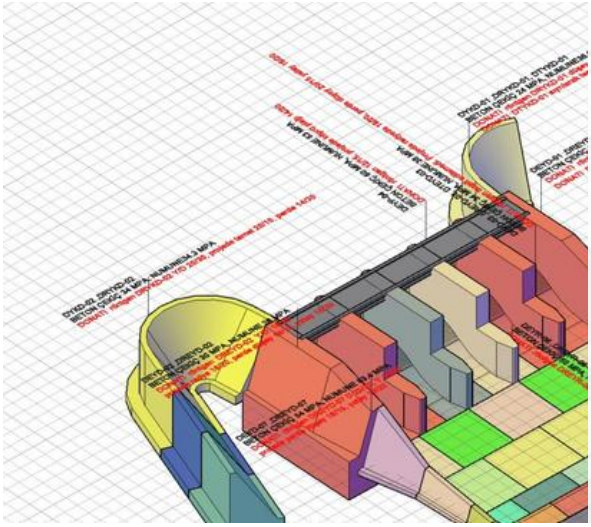
DAYMES MÜHENDİSLİK

DAYMES MÜHENDİSLİK

DESIGN, PLANNING AND ENGINEERING SOLUTIONS

Dam/Pond and Irrigation/Drinking Water Supply

- Rehabilitation Projects
- Final/Implementation Projects
- Planning
- Hydrology and Water Resources Planning

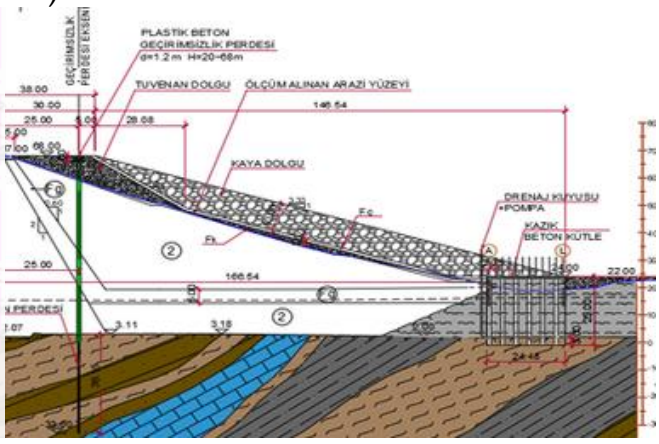


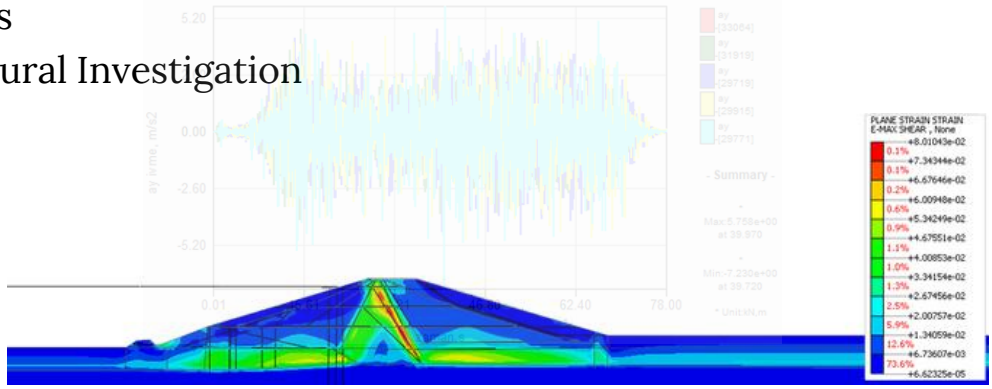
Istanbul Ömerli Dam Rehabilitation Project Design (2024-2026)

Preparation of rehabilitation implementation projects that ensure the sustainability of dam safety and water-retention performance, based on an evaluation of the dam's current performance under present-day critical conditions (earthquake, flood, etc.).

Dam body analyses and calculations
- Stability and Stress Analyses
- Dynamic Analyses
- Numerical Modeling
- Liquefaction Checks

Spillway and Auxiliary Structures
- Hydraulic Calculations
- Static and Reinforced Concrete Analyses
- Structural Investigation





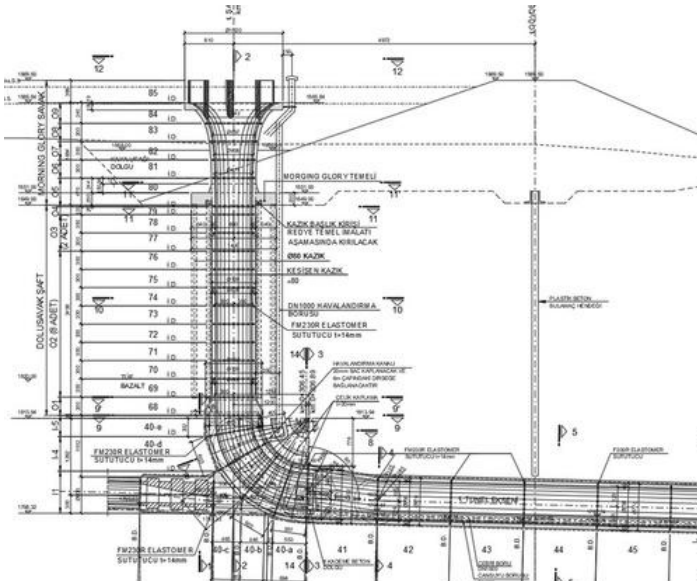
DESIGN, PLANNING AND ENGINEERING SOLUTIONS

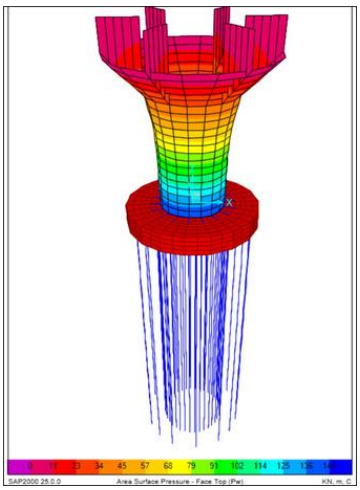
Dam/Pond and Irrigation/Drinking Water Supply

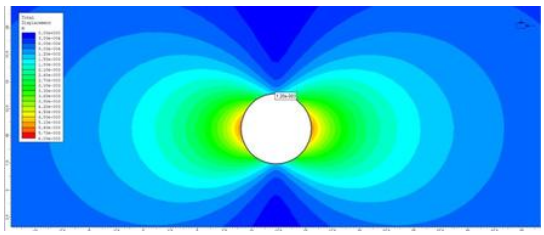
- Rehabilitation Projects
- Final/Implementation Projects
- Planning
- Hydrology and Water Resources Planning

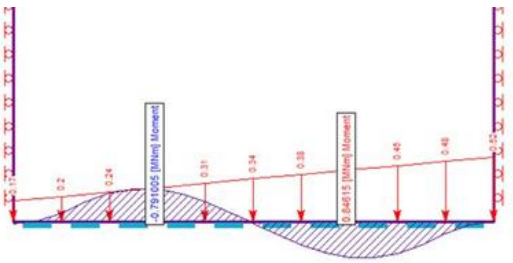
Preparation of Implementation Projects for Erzurum Horasan Çayırdüzü Dam (2024-2026)

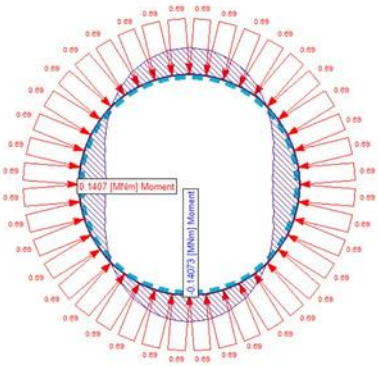
Preparation of the final design of a clay-core rockfill dam, 63 meters high from the talweg, covering all hydraulic, static-reinforced concrete and dynamic analyses, in accordance with international engineering standards and DSİ (State Hydraulic Works) technical specifications.

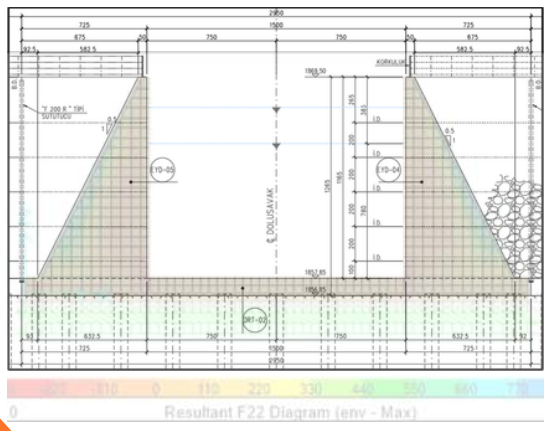












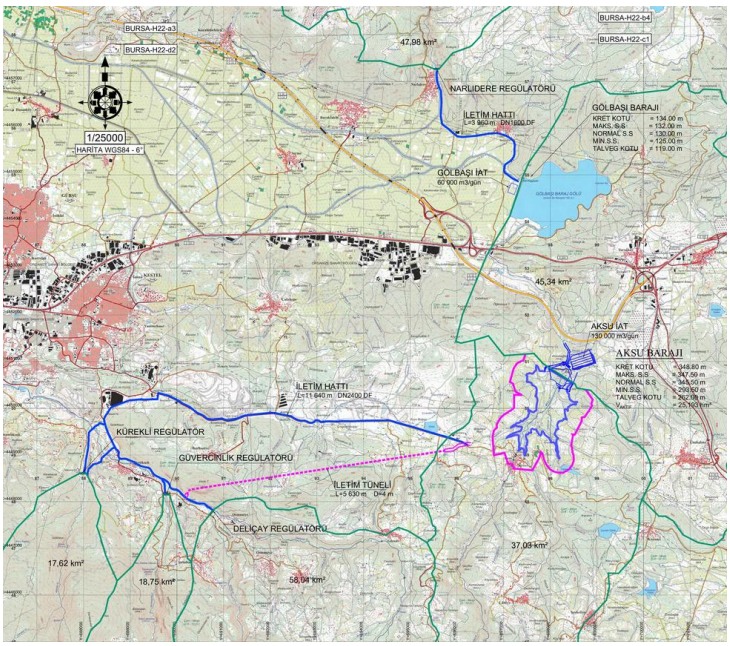
DAYMES MÜHENDİSLİK

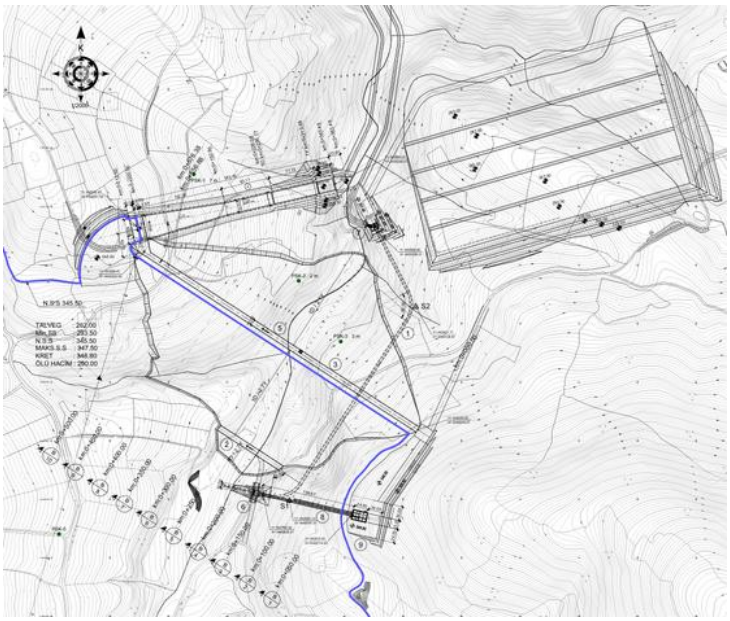
DAYMES MÜHENDİSLİK

DESIGN, PLANNING AND ENGINEERING SOLUTIONS

Dam/Pond and Irrigation/Drinking Water Supply

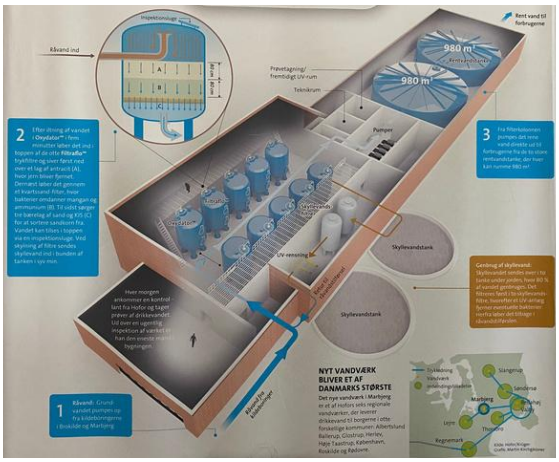
- Rehabilitation Projects
- Final/Implementation Projects
- Planning
- Hydrology and Water Resources Planning





Bursa Kestel Aksu Dam and Drinking Water Facilities Planning Engineering Services (2025-2026)

Management of the planning process for the Aksu Dam and its associated conveyance lines, to meet the long-term drinking and domestic water needs of Bursa province. Conducting site-selection studies for the dam, regulators, drinking water treatment plants and raw-water conveyance lines that will enhance the city's water-supply security, and optimizing the facilities' hydraulic capacities and operating scenarios according to DSİ criteria.



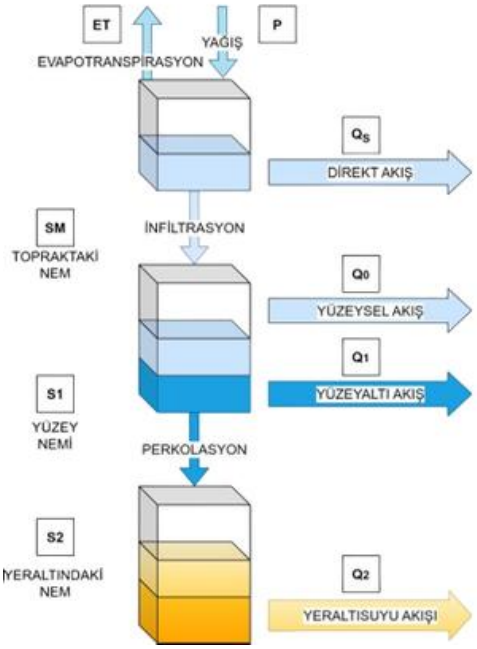
DESIGN, PLANNING AND ENGINEERING SOLUTIONS

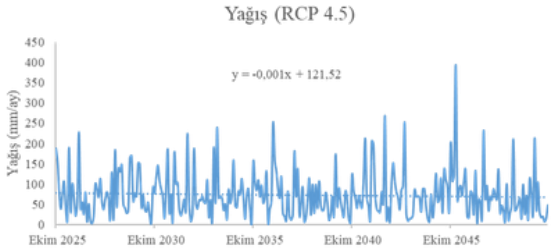
Dam/Pond and Irrigation/Drinking Water Supply

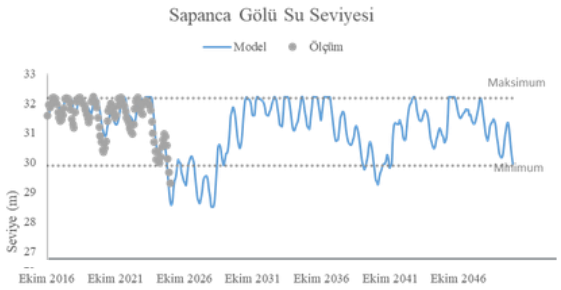
- Rehabilitation Projects
- Final/Implementation Projects
- Planning
- Hydrology and Water Resources Planning

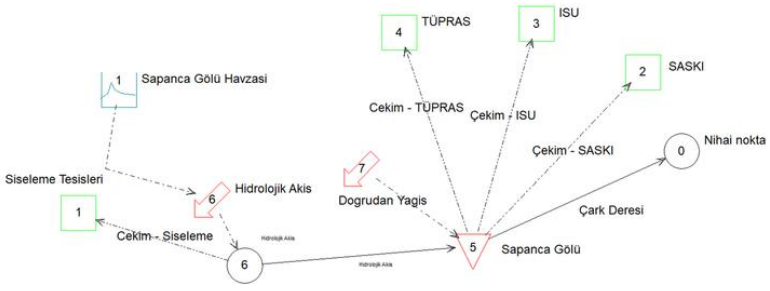
Lake Sapanca Hydrological Studies (2024-Present)

Water budget study for Lake Sapanca, taking different scenarios into account. Determination of future water availability under implementation of the measures program.









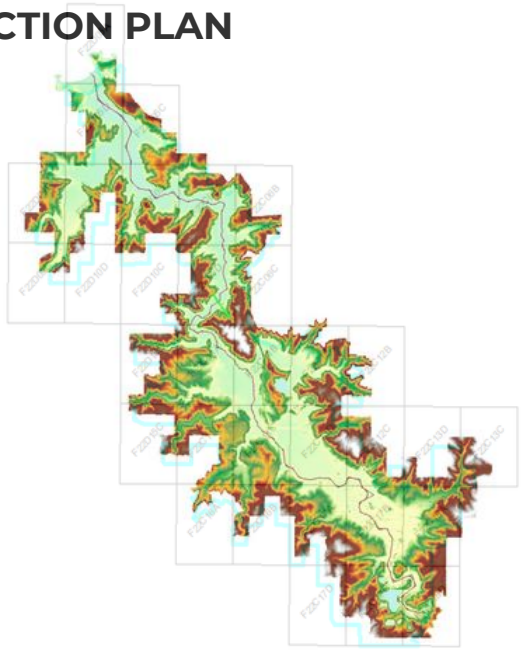


DAYMES MÜHENDİSLİK

DAYMES MÜHENDİSLİK

DESIGN, PLANNING AND ENGINEERING SOLUTIONS

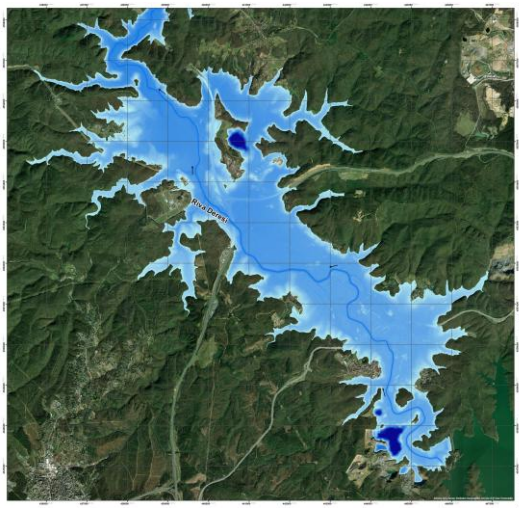
DAM BREAK ANALYSIS AND EMERGENCY ACTION PLAN

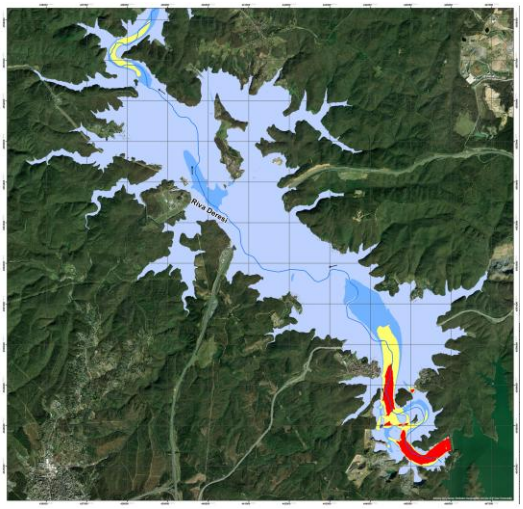


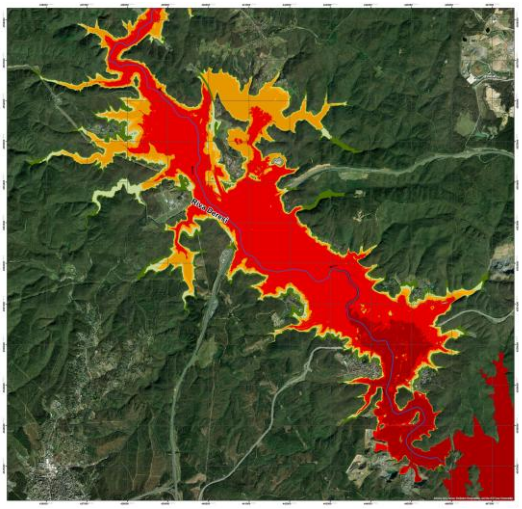
Istanbul Ömerli Dam Break Analysis and Emergency Action Plan (2025-2026)

Hydrodynamic modeling of the dam-break effects that could occur at Ömerli Dam due to possible earthquake, flood, malfunction and similar factors, preparation of flood hazard and risk maps, and development of the emergency action plan.









DESIGN, PLANNING AND ENGINEERING SOLUTIONS

BASIN-SCALE PLANS

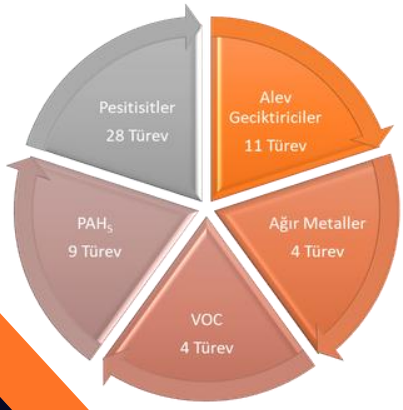
- River Basin Management Plans
- Sectoral Water Allocation Plans
- Drought Management Plans
- Flood Management Plans
- Master Plans
- Drinking and Domestic Water Safety Plans
- Basin Protection Plan

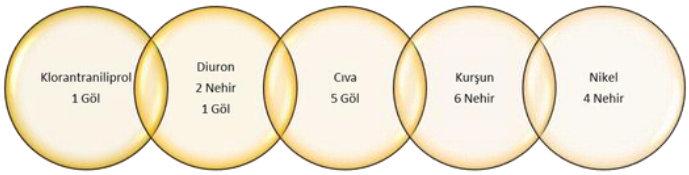


Monitoring of Water Quality in the Seyhan Basin and Preparation of the River Basin Management Plan (2024-Present)

Management of the monitoring processes for chemical, biological and hydromorphological quality elements at surveillance, operational and protected-area monitoring stations. In line with the EU Water Framework Directive and national regulations: collecting seasonal samples from rivers, lakes, coastal and transitional waters, and coordinating biological quality elements' species-level identification together with hydromorphological assessments, on a synchronized basis.







DAYMES MÜHENDİSLİK

DAYMES MÜHENDİSLİK

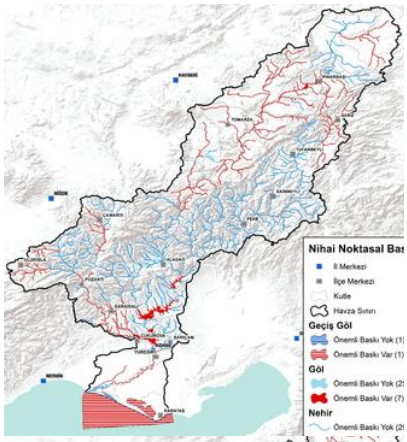
DESIGN, PLANNING AND ENGINEERING SOLUTIONS

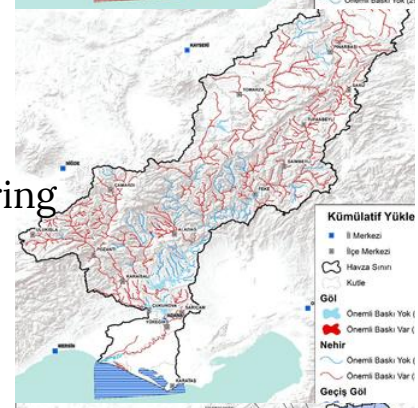
BASIN-SCALE PLANS

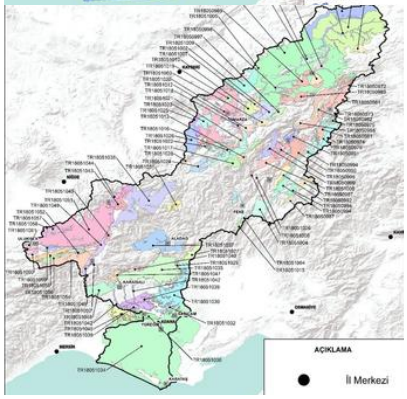
- River Basin Management Plans
- Sectoral Water Allocation Plans
- Drought Management Plans
- Flood Management Plans
- Master Plans
- Drinking and Domestic Water Safety Plans
- Basin Protection Plan

Monitoring of Water Quality in the Seyhan Basin and Preparation of the River Basin Management Plan (2024-Present)

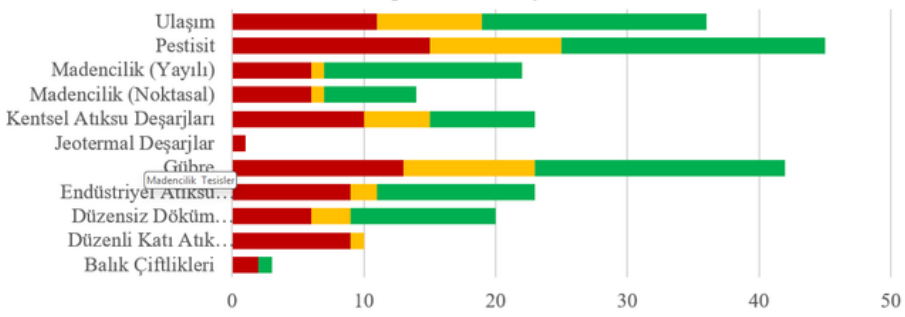
Preparation of River Basin Management Plans in accordance with the EU Water Framework Directive, cited as one of the closing criteria of the Environment and Climate Change Chapter.







- River Basin Current Status Analysis
- Pressure-Impact and Risk Analysis
- Assessment of Water Quality Status through Monitoring Studies
- Modeling Studies
- Environmental Target Setting
- Establishment of the Measures Program
- Economic Analysis Studies
- Development of the River Basin Management Plan



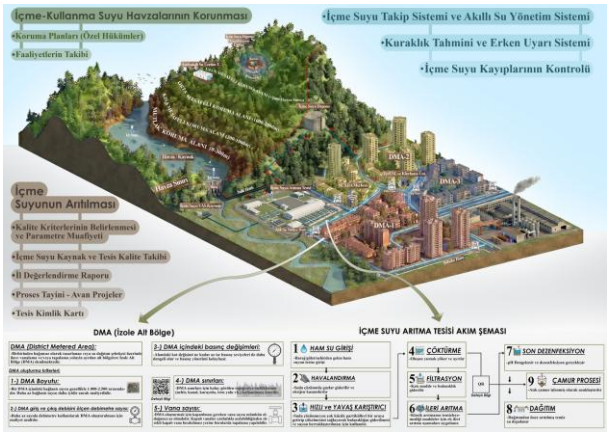
DESIGN, PLANNING AND ENGINEERING SOLUTIONS

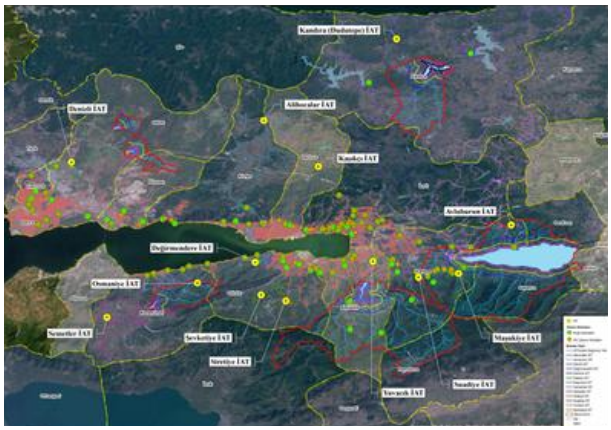
BASIN-SCALE PLANS

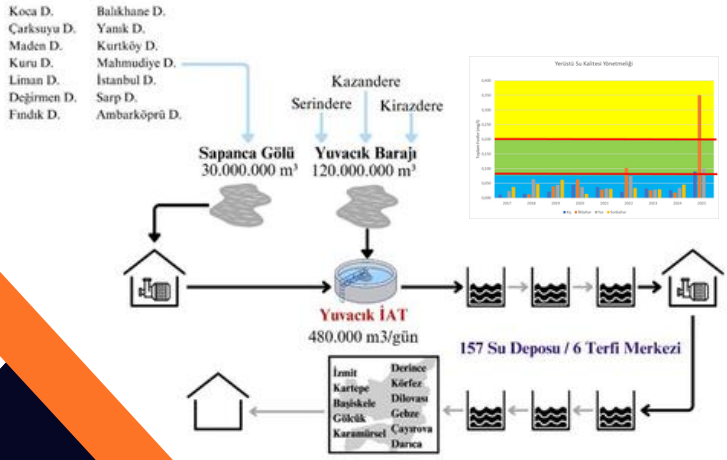
- River Basin Management Plans
- Sectoral Water Allocation Plans
- Drought Management Plans
- Flood Management Plans
- Master Plans
- Drinking and Domestic Water Safety Plans
- Basin Protection Plan

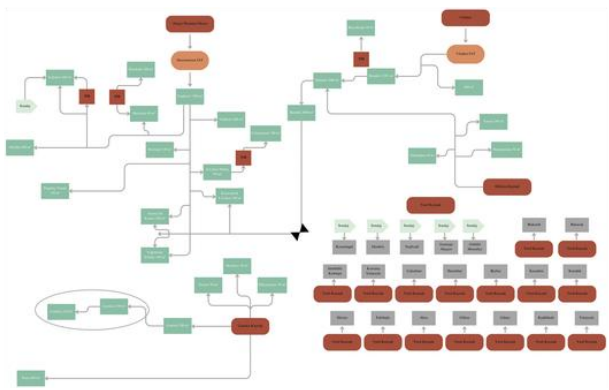
Preparation of Drinking and Domestic Water Safety Plans Project
Lake Sapanca Basin Protection Plan (2024-Present)

Management of the pilot project processes that will serve as a model for the 'Drinking and Domestic Water Safety Plans' intended to be rolled out nationwide across Turkey. The project involves drafting national legislation aimed at ensuring water safety 'from source to tap' and updating guidance documents to establish a common management approach across the country.









DAYMES MÜHENDİSLİK

DAYMES MÜHENDİSLİK

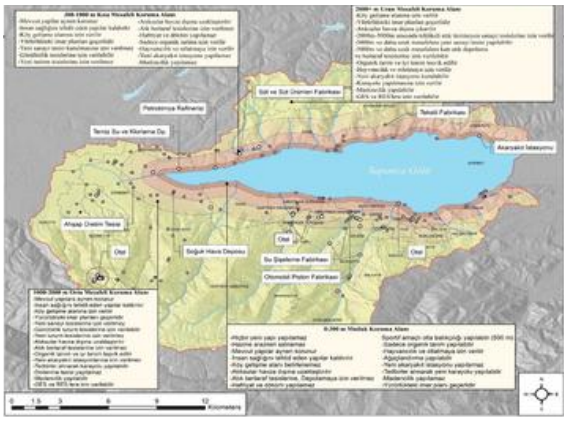
DESIGN, PLANNING AND ENGINEERING SOLUTIONS

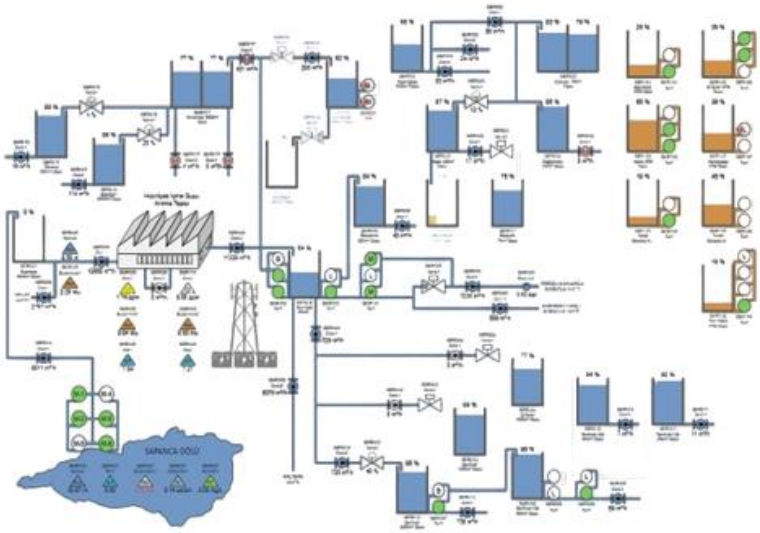
BASIN-SCALE PLANS

- River Basin Management Plans
- Sectoral Water Allocation Plans
- Drought Management Plans
- Flood Management Plans
- Master Plans
- Drinking and Domestic Water Safety Plans
- Basin Protection Plan

Lake Sapanca Basin Protection Plan (2024-Present)

Conducting science-based 'Special Provision' and 'Protection Plan' studies for Lake Sapanca, the vital water source of Sakarya and Kocaeli provinces, balancing conservation and use.









DESIGN, PLANNING AND ENGINEERING SOLUTIONS

FLOOD CONTROL/PROTECTION AND STREAM REHABILITATION

- Planning
- Final/Implementation Projects

MODELING STUDIES

- Hydrological Model (WEAP, Deltares, Aquatool (Evalhid-GR2M))
- Water Allocation Model (WEAP, Aquatool (Simges), Deltares (Ribasim))
- Groundwater Model (Modflow)
- Water Quality Model (Aquatool (Gescal), WEAP (Qual2K), Deltares (D-WAQ))
- Ecological Model (PUNN)
- Coastal Zone Model (Hydrotam, Deltares (Delft3D))

COASTAL STRUCTURES AND INTEGRATED COASTAL ZONE MANAGEMENT

- Design of ports, marinas and coastal structures, and management of their environmental impacts
- Protecting coastal areas by developing sustainable and integrated solutions

WASTEWATER AND STORMWATER, AND WATER DISTRIBUTION NETWORK DESIGN

- Urban Infrastructure (Water supply, water distribution, wastewater and stormwater)
- Hydraulic Modeling

HIGHWAY, RAILWAY AND RAIL SYSTEM PROJECTS

- Design of Structures (Hydrology, Hydraulics, Structural)
- Drainage Projects

HYDROELECTRIC

- Dam-Type Power Plants
- Run-of-River Hydroelectric Power Plants
- Regulators
- Water Conveyance and Waterway Structures
- Powerhouse Buildings

DAYMES MÜHENDİSLİK

DAYMES MÜHENDİSLİK

REFERENCES

- DSİ - Istanbul Ömerli Dam Rehabilitation (2026)
- DSİ - Istanbul Ömerli Dam Break Analysis and Emergency Action Plan (2026)
- DSİ - Preparation of Implementation Projects for Erzurum Horasan Çayırlı Dam (2026)
- DSİ - Preparation of Implementation Projects for the European Side Drinking Water Tunnel (2026)
- DSİ - Diyarbakır Pond and Irrigation Planning Engineering Services (2023-Present)
- DSİ - Sivas Şarkışla Maksutlu Dam Rehabilitation (2024-Present)
- DSİ - Sivas Merkez Kesriksuyu Pond and Irrigation Planning Engineering Services (2024-Present)
- DSİ - Bursa Kestel Aksu Dam and Drinking Water Facilities Planning Engineering Services (2025-Present)
- DSİ - Tokat Pazar Dereçaylı Pond Project Design (2023)
- DSİ - Çorum Ortaköy Yükderesi Pond and Irrigation Project Design (2023)
- SYGM - Monitoring of Water Quality in the Seyhan Basin and Preparation of the River Basin Management Plan (2024-Present)
- SYGM - Preparation of Drinking and Domestic Water Safety Plans Project (2024-Present)
- SYGM - Lake Sapanca Basin Protection Plan (2024-Present)
- Yalkim OIZ Discharge Water Capacity Increase Project (2025)
- Kırıkkale Roketsan Facilities Flood Assessment / Hot Water Lines Assessment (2025)
- KGM - Design of Muradiye Exit, Söke Entrance, Kale Ayr Grade-Separated Junctions (Approx. 4.50 km) - Survey and Design Consultancy Services (2022)
- KGM - Earthworks for the Reduction Center, Spoil Disposal Area and Reduction Center Access Road, and Preparation of Detailed Engineering and Implementation Projects (2022)
- TCDD Teknik Müh. ve Müş. A.Ş. - Hydrological-Hydraulic Studies, Sizing and Verification of Structures on the Halkalı-Çerkezköy / Lüleburgaz-Pehlivanköy / Pehlivanköy-Kapıkule Line Sections, per New Regulations (2022)
- TCDD Teknik Müh. ve Müş. A.Ş. - Hydrological-Hydraulic Studies, Sizing and Verification of Structures on the Pamukova-İnönü / Halkalı-Çerkezköy / Gebze-Arifiye Line Sections, per New Regulations (2022)
- TCDD Teknik Müh. ve Müş. A.Ş. - Hydrological-Hydraulic Studies, Sizing and Verification of 500 Structures on Various Railway Line Sections (2023)
- TCDD Teknik Müh. ve Müş. A.Ş. - Hydrological-Hydraulic Studies, Sizing and Verification of 200 Structures on Various Railway Line Sections (2023)

DAYMES MÜHENDİSLİK

+90 312 472 27 75

info@daymes.com.tr

A.Öveçler Mah. 1314. Cad. No:37/5 Çankaya, Ankara

www.daymesmuhendislik.com



Daymes Mühendislik Müşavirlik LTD ŞTİ

Daymes Mühendislik Müşavirlik LTD ŞTİ