



ELFA ENGINEERING

Company Presentation, 2023

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ABOUT US

Established in 2006 in Istanbul, ELFA Engineering offers comprehensive services in geological surveys, soil, and foundation engineering. Since our inception, we have diligently kept up with technological advancements, continuously enhancing our expertise.

Our operations encompass route surveys for various projects, including highways, subways, railways, and pipelines. We focus on determining crucial soil parameters for geotechnical and static calculations of structures like art structures, tunnels, landslides, and cut and fill structures. Additionally, we conduct surveys for deep excavation and shoring applications, assess disaster risks, perform material surveys and tests for fill usability, pollution surveys, and prepare geological and hydrogeological maps.

Our service chain includes survey, design, implementation, and consultancy, all aligned with the latest national and international standards. With extensive experience, we adeptly navigate procedures with local authorities and comply with regulations on both local and international levels.





VALUES

CLIENT CENTRIC

Every project has its unique DNA. Understand the client, comprehend the project concept in detail.

EXPERTISE

Utilize 30+ years of engineering experience, rely on deep knowledge, remain up to date, provide reliable solutions.

INTEGRITY

Operate with honesty and ethical conduct.
Take responsibility.

EXCELLENCE

Strive for exceptional results in geological surveys and engineering services.

INNOVATION

Embrace technology to enhance engineering practices.

COLLABORATION

Foster a supportive teamwork environment.

SUSTAINABILITY

Ensure environmentally conscious engineering solutions.
Minimize negative externality of any environmental impact.

PROACTIVE

Minimize risks and maximize efficiency.
Act, communicate, remain responsive.



VISION



ELFA Engineering's mission is to provide integrated services, following rigorous international standards, in soil and foundation engineering, geological and geophysical studies, environmental studies, and consultancy, while actively implementing new technologies and maintaining extensive expertise in Turkey and abroad.

MISSION



Our vision at ELFA Engineering is to be the forefront of innovation and excellence, driving transformative solutions in soil and foundation engineering, geological and geophysical studies, environmental studies, and consultancy. By leveraging cutting-edge technology, fostering collaboration, and expanding our global footprint, we aim to contribute our best to every project.



SERVICES

01

BUILDING SURVEYS & PERFORMANCE ANALYSIS

- Surveys based on zoning plan
- Micro-zonation studies
- Ground investigations Based on static project
- Studies for deep excavation and shoring projects
- Road, rail, metro, tunnel and pipeline Route studies

02

STUDIES FOR ENGINEERING PROBLEMS

- Landslide studies
- Earthquake studies
- Studies for karstic gap detection
- Liquefaction - Studies for settlement determination
- Ground improvement control surveys
- Material studies

03

GEOPHYSICAL SURVEYS

- Seismic Refraction- Seismic Reflection
- Microtremor-Masw
- Ground Penetrating Radar (GPR)
- Resistivity-DES-ReMi
- Multi-electrode resistivity method
- Natural potential (SP)
- Downhole seismic - Downhole resistivity



SERVICES

04 HYDROGEOLOGICAL STUDIES

- Identification and analysis of groundwater, surface water quality and periodic water monitoring
- Opening water wells
- Performing and reporting aquifer tests

05 ENVIRONMENTAL STUDIES

- Solid waste sites investigation
- Pollution studies

06 FIELD EXPERIMENTS

- Pressuremeter Tests (PMT)
- Pressurized Water Tests (BST)
- Standard Penetration Tests (SPT)
- Inclinator Tests
- Cone Penetration Tests (CPT)
- Inclinator Tests
- Cone Penetration Tests (CPT)
- Plate Loading Experiments
- Sand Cone Experiments
- Dilatometer Tests (DMT)
- Field Vane Shear (Veyn) Tests (FVT)



REFERENCES

SOME OF OUR BUSINESS PARTNERS...



REFERENCES

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TEKFEN İNŞAAT



 Tüpraş


UNITED GROUP

 Kale

ÖZYEGİN
UNIVERSITY


BOTAŞ


OKANCAM
SANAYİ VE TİCARET A.Ş.



REFERENCES



Varyap Meridian, Istanbul



Nidapark Bomonti, Istanbul

REFERENCES



TUPRAS Misc. Tanks, İzmit



Mercedes Benz Türk Factories, Hadımköy and Aksaray



REFERENCES



VARYAP Caglayan Palace of Justice, Istanbul



Reventa Engineering, Halkalı Station Gantry Project

PROJECTS

TAHİNCİOĞLU GAYRİMENKUL İNŞAAT VE TURİZM A.Ş.

- Nidapark Başakşehir Residential Complex
- Nidapark Ataşehir
- Nidapark Seyrantepe
- Nidapark Bomont
- Nidapark Kayaşehir
- Nidapark İstinye
- Nidapark Ayyıldız
- Nidapark Küçükyalı
- Nidapark Çengelköy

VARYAP A.Ş.

- Meridian
- Ataşehir Recreational Zone
- Çağlayan Palace of Justice

DÜZCE CAM

- Düzce Factory Project

BORCAM

- Zonguldak Silis Facilities



PROJECTS

MERCEDES BENZ TÜRK A.Ş.

- Esenyurt Sales and Distribution Center
- Hoşdere Factory Project
- Aksaray Factory Project

YAPI MERKEZİ

- Mandarin Hotel
- Eurasia (Avrasya) Project
- Bursaray Light Rail Project (1st-2nd Stages Route Studies)

TÜPRAŞ-TÜRKİYE PETROL RAFİNELERİ A.Ş.

- İzmit-Körfez Misc. Tank Projects
- İzmit-Körfez Laboratory Building Project
- İzmit-Körfez Warehouse Project

BORU HATLARI İLE PETROL TAŞIMA A.Ş.

- Esenyurt Landslide (Pipeline) Project
- Adapazarı Landslide (Pipeline) Project

PROJECTS

SİNPAŞ YAPI ENDÜSTRİ

- Aquacity Denizli
- Boulevard Sefaköy
- İş Modern Ambarlı

ARK İNŞAAT

- Divan Kurucesme Hotel
- Sakarya Turk Tractor Factory Project
- Sisli Business Center Project

KUYAŞ A.Ş

- Kuyumcukent Project

SURYAPI ENDÜSTRİ SANAYİ TİC. A.Ş.

- Bursa Residential Complex Project
- Exen Residence and Commerce Center

BOTEK A.Ş.

- İBB (Municipality of Istanbul) Art Structure Projects
- Hayrabolu-Malkara Route Studies

PROJECTS

NEF İNŞAAT A.Ş.

- NEF-25 Project
- NEF Sütlüce Project
- NEF-25A Project
- NEF-14 Project

KASKTAŞ A.Ş.

- Dudullu Metro Station
- Üsküdar Parking Deck Project
- Bahçeşehir University Project

SEBA İNŞAAT A.Ş.

- Seba Flat

DOĞUŞ HOLDİNG A.Ş.

- Maslak Office Project

FİBA GAYRİMENKUL GELİŞTİRME İNŞAAT VE YATIRIM A.Ş.

- Alemdağ Project
- Özyeğin University
- Eyüp Project

PROJECTS

MARZINC A.Ş.

- Karabük Project

ABMA İNŞAAT

- Topkapı Darphane-i Amire
Perimeter Wall Restoration Project

ADA İNŞAAT

- Tuzla Leather Factory Project

SUN PLAZA A.Ş.

- Kestel Beybi Handglove Factory

KALE TOPKAPI BİNA İŞLETME VE GAYRİMENKUL GELİŞTİRME A.Ş.

- Ayazağa Project

UNITED GROUP A.Ş.

- Çamlıca School Project
- Çamlıca Car Park Project

MERDEM İNŞAAT MİMARLIK

- Ataşehir Trade Block Project
- Küçükçekmece Med Office and
Mall Project

PROJECTS

DOĞA MADENCİLİK ENDÜSTRİ İNŞAAT VE TİCARET A.Ş.

- Doğa Bakırköy Comlex Project

BİRMOT-KOÇ HOLDİNG A.Ş.

- Spare Part Sales Building Project

REVENGA ENGINEERING

- Halkalı Station Gantry Project

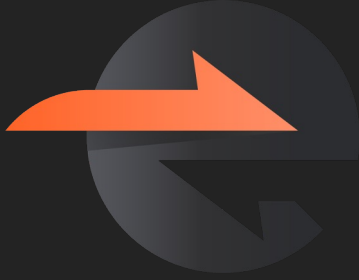
ÇİNİCİ MİMARLIK

- Arnavutköy/Boğazköy Sports and Culture Facility

WM INVESTMENT GAYRİMENKUL YATIRIM A.Ş.

- Bağcılar World Medicine Office





CONTACT

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ELFA MÜHENDİSLİK