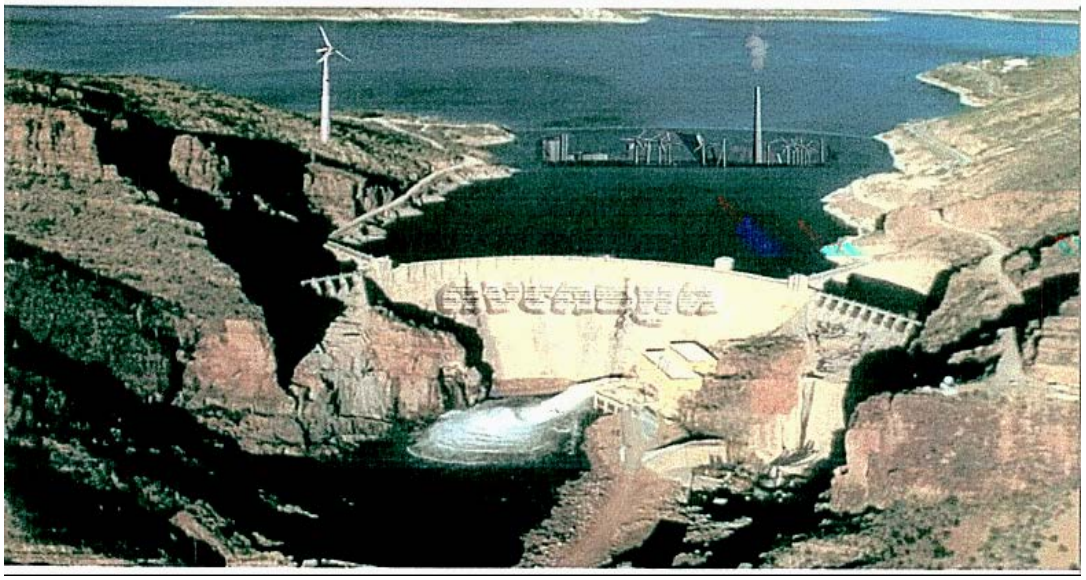
avrasya ENGINEERING

ENGINEERING & CONSULTING & INSTALLATION



ALL ENERGY GENERATION PLANT APPLICATIONS
&
ALL INDUSTRIAL AND BUILDING APPLICATIONS
&
HIGH VOLTAGE & MEDIUM VOLTAGE & LOW VOLTAGE
AUTOMATION&SCADA
APPLICATIONS
&
LAW & ORDERS FOR ENERGY MARKETS

ORGANISATION CAPABILITY&EXPERIENCE&FLEXIBLITY
&
YOUR SOLUTION PARTNER

To Whom It May Concern

AVRASYA ELECTRIC ENGINEERING CONSULTING INSTALLATION LTD. was established, as a contractor company, in 1997 to primarily serve the energy market, namely; energy generatıon-transmission-distribution, energy selling and automation installations.

Our main fields of interest involves:

- Turn key electrical, automation installations both in and out of Turkish market ,
- Electro-mechanical assembly, engineering and consulting services related to all Energy Generatıon Facilities,
- Establishing, and running energy production facilities under the Build-Operate or Build - operate- transfer models.

Our technical staff of several experienced engineers and technicians provide high quality total application solutions-from design and installation, to bringing the system up for related turn key projects. During our years in business we have developed, installed and maintained appropriate solutions required by our clients.

Furthermore, we can help you with your:

- Administrative/technical consulting & designing requirements,
- Engineering production requirements,
- Electrical Installation requirements,
- Miscellaneous support requirement to foreign companies wishing to operate in the Turkish energy market.

Our company structure is shaped with the objective of becoming the "**Solution Partner"** of our client. So we ;

-Adhere to the principle of quality work, and
-Maintain the friendship while providing the professional service.

We hope to be your trusted **partner company** and be incorporated in your future projects, and wish you prosperity.

Sincerely yours,

Feasibility & Pre-Survey of Power Plant Procedures,

- Determining the type of investment and plant,
- Economic analysis,
- Preperations of report.

Purchasing Stage Consultancy,

- Administrative and Technical specifications,
- Meetings conferences with suppliers during purchase and negotation stage,
- Credit procurement process,
- Agreement stage process.

Agreements with Public Corporations ,

- System connection and user agreements,
- Coordination agreements.

Power Plant Technical Documents Prepairing & Collecting Process,

- Pre-survey folder,
- Feasibility folder,
- Final confirmity folder for distribution company,
- Provisional admission folder for ETKB,
- Plant technical drawing of installation.

Field Engineering Consultancy & Supervision Services,

- İnvestment process implementation, supervision consultancy services,
- Organisation and coordination of energy investment process.

Detailed Design & Survey Services,

- TEIAS Substation Projects,
- Otoproducer feeder transformation projects at TEIAS Substations,
- Otoproducer feeder transformation projects at TEDAS Distribution centers ,
- Feeder Interlocking projects at TEDAS Distributing centers ,
- Infrastructure projects of data communication systems,
- Remote meter reading projects,
- SCADA & Infrastructures of geographic imaging systems and data transfer systems installation ,
- TEDAS and ETKB approvals of consumption transformers,
- Power transmission line projects,
- Power plants load shedding systems,
- Relay coordination projects,
- Grounding projects,
- Fault current analysis and relay coordination surveys,

Turnkey Installation Services,

- High-Low voltage systems,
- Electrical and automation systems of power plants,
- 154 kV Substations and 36 kV Distribution centers,
- Automation and low current systems,
- SCADA & Infrastructures of Geographic imaging and data transfer systems,
- Supplementary installations due to the Opinions of TEDAS and TEIAS,
- Otoproducer feeder transformations at 154 kV Substations ,
- Otoproducer feeder transformations at 36 kV Distribution centers,
- Otoproducer feeder interlocking applications at 36 kV Distribution centers,
- Data transfering interlocked feeder transformation ,
- Power plant main equipments, data transfer and SCADA systems installation,
- Remote meter reading systems installation ,
- Relay coordination infrastructures,
- Load shedding system installations,
- HV-LV Compensation system installations,
- HV-LV Power transmission line installations,

- EPDK Licensing, alteration, renewal process,
- Following documents and accelerating the process at all related units EPDK, ETKB, TEDAS, TEIAS, EUAS, TETAS, BOTAS, DSI, TKI, MTA,Oil Jobs, EIEI, Ministry of Environment, Ministry of Forestry, Treasury Undersecretaria etc.,
- **6446** Electricity Market Law, **4646** Natural Gas Market Law , **5015** Oil Market Law and all sub-legislation, processes due to the notes of government,
- Strategy planning efforts in the energy markets,
- Type of activity in the energy markets, company type and structuring efforts, Production,distribution ,importation, exportation, wholesale, retail firms acting within the scope of license,
  - Legislation and technical service partnership,
  - Periodic information and reporting,
  - Data providing efforts,
  - Following-up the administrative process and papers,
  - Supplying support office at Ankara ,
- Energy investment “Investment Incentive Certificate” process,
- EIA document procedures,
- Demand aggregation services,
- TEDAS-TEIAS “Connection opinion” process operations,
- “System usage” and “Connection agreement” process operations,
- İnvestment process consultancy ,
- Hydroelectric Power Plant investment services,
  - DSI “Water usage agreement” process operations,
  - “Forest legislation” process operations,
  - Expropriation legislation process operations,
  - 1/500, 1/1000, 1/5000, 1/25000 scaled map operations,
  - Geological surveys, drilling , laboratory, survey and reporting procedures,
- Power plant provisional and final acceptance procedures,
- After startup, “routine consultancy services” in the process of adaptation to energy market,
  - Electric commercial market transactions
  - Electricity trading market legislation process
  - Customer supply,
  - Suppliers supply,
  - Energy producer-customer portfolio management and marketing operations
- Energy market briefings and seminars,
- TEDAS Distrbution networks “transfer of operating rights” auctions and feasibility surveys,
- EUAS Plants “transfer of operating rights” auctions and feasibility surveys,

- Consultancy and service packs sale, for all Energy investments
- Turnkey, HV-LV systems,
- Supplementary installations due to the opinions of EPDK-TEDAS-TEIAS supply,
- HV cubicles and other switchgear & automation system equipments supply,
- HV protection relays, meters, resistors and other related equipment supply,
- Various market activities and marketing ;
  - **“BUILD-OPERATE (BO)”** & **“BUILD-OPERATE-TRANSFER (BOT)”** model energy production and trading,
  - Electrical energy marketing and brokerage services,
  - Marketing activities (Active sector scan, seminar organizations, reporting, etc.),
  - • Used cogeneration plant marketing activities,
  - Turnkey “**CO-GENERATION & TRIGENERATION & MİCROCOGENERATİON”** plant marketing ,
  - Hydro and Wind Power Plant facility marketing activities,
- Technical staff training sets and packages supplying and marketing;
  - Online technical training packages,
  - Operational training for all power plants’ technical staff,
  - Training sets of technical principles for Electrical Engineering,
  - Training sets of technical principles for Mechanical Engineering,
- Installation and maintenance of hydroelectric plants ,
- Hydroelectric power plant electro-mechanical equipments supplying,

- New Type Energy Production Techniques development,
  - Geothermal Energy,
  - Solar Energy,
  - BIO Energy,
  - Wave Energy,
  - Hydrogen Energy,
- Home type cogeneration unit marketing,
- Electric vehicle technology marketing strategies,
- For the efficient operation National SCADA and Geographic imaging and data transfer systems,
- For reducing the cost of energy production, engineering and equipment marketing operations,
- Mobil power plant energy production model rent & marketing process,
- Cogeneration plant maintenance services and spare parts supply process,
- İncreasing operational efficiency at distribution networks process,
- Loss & leakage rate reduction of distribution networks process,

GENERAL MANAGEMENT DEPARTMENT

GENERAL MANAGER

GENERAL ASSISTANCE

COMMERCIAL DEPARTMENT (TCR) (3)

- CONSULTANCY
- SYSTEM
- EQUIPMENT
- POWER PLANTS
- INFORMATION
- ENERGY TRADE
- MARKETING

LEGISLATION &TECHNICAL DEPARTMENT(MTD) (12)

- TECHNICAL APPLICATION & INSTALLATION
- LEGISLATION PROCESS
- CONSULTANCY
- DESIGN
- RENEWABLE PROJECTS *

* It s trademark for RENEWABLE projects.

* 18 personel

PROJECT DEVELOPMENT(PGE) (2)

- NEW TECHNOLOGIES
- ENERGY TRADE SERVICE-MAINTENANCE
- ENERGY
  - HEPP
  - WIND
  - GEOTHERMAL
  - OTHER
- enerjicci THE POWER OF UNITY

avrasya ENERGY

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