



Energy Advisory



Fire



Air



Water



Earth

company **profile**



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# 1 Our company

EA Energy Advisory is an independent energy consulting company providing technical and economic consulting services for investment projects to public authorities (state, municipal), donor organizations such as International Financial Institutions (WB, ADB, KfW) and private investors. We possess the required expertise and the experience to provide assistance at every stage of the process in investment projects, from strategy development to the actual commissioning of infrastructure facilities.

Our company is offering consulting services on the following markets:

- ✓ Energy
- ✓ Water
- ✓ Transport, rail, and road
- ✓ Environment
- ✓ Information technologies
- ✓ Health and safety

The company was established in 2005 as an Armenian private company of energy consultants and planners but nowadays provides wide range of services in infrastructure sector and has background of demanding engineering projects, strong local staff and worldwide network of contacts with international experts. The main objective of the network is to make a professional contribution to the provision of quality consulting in the consulting and engineering services sector of the Republic of Armenia.

EA Energy Advisory offers the following consulting services:

- ✓ Consulting and Technical Services
- ✓ Design and Engineering
- ✓ Construction Supervision
- ✓ Environmental and Social Safeguards
- ✓ Capacity building support



The firm has grown significantly into a 20 employee company consisting of electrical, telecommunication, mechanical and civil engineers, environmentalists, economists, procurement, geology experts and other personnel with a strong background in engineering services sector and project management.

Our team has a depth of experience and diversity of backgrounds which is invaluable in the successful execution of our projects. The team is composed of industry veterans and experienced junior staff that has successfully completed engineering and IT projects in a diverse array of facilities.

We are valued as reliable partner by Governmental authorities, state-owned and private energy companies, international financial institutions, private lenders and local partners in the Republic of Armenia. We stand ready to support our foreign partner companies in getting thorough understanding of particular local economic, financial, environmental and other specific conditions applicable in Armenia.



## 2 Energy

Since 2005, when the Company was established, EA Energy Advisory has supported a numerous power projects, including alternative energy projects.

### Our Capabilities:

- ✓ Power Generation
- ✓ Transmission & Distribution
- ✓ Energy Efficiency
- ✓ Environment
- ✓ Information technologies
- ✓ Health and safety

### Power Generation

EA Energy Advisory can provide environmental, design, and construction supervision services to support project development, construction, and operations on power projects in Armenia. Our team possesses deep knowledge of existing generating facilities and is able to provide strategic transactional and compliance support for additional facilities projects.

### Transmission and Distribution

EA Energy Advisory is glad to offer relevant services of supporting the power transmission and distribution projects implemented in Armenia, namely the new construction and full/partial facility modernization projects. EA Energy Advisory provides environmental, engineering, and construction supervision services, all together or stand alone, for the development, construction, and operational phases of energy projects.

### Services:

- ✓ Economic, technical, and environmental evaluations
- ✓ Planning, feasibility, and analytical studies
- ✓ Field Investigation
- ✓ Route planning and selection
- ✓ Environmental studies and impact analysis
- ✓ Licensing and permitting services and regulatory approvals
- ✓ Support in conceptual, preliminary, and detailed design
- ✓ Capital cost estimates
- ✓ Support in elaboration of specification
- ✓ Procurement support
- ✓ Construction supervision
- ✓ Support during commissioning
- ✓ Training







Every person  
matters





## Hydropower

EA Energy Advisory provides preliminary studies, environmental, engineering, and construction supervision services, for the development, construction, and operational phases of hydro energy projects.

## Solar

EA Energy Advisory provides the full spectrum of solar energy services - from feasibility through resource studies, permitting, transmission interconnection support, engineering, procurement, and construction.

### Services:

- ✓ Review existing policies, legal and regulatory framework, institutions and practices for renewable energy, including solar.
- ✓ Assess the technical, financial and economic potential for development of solar energy
- ✓ Prepare solar energy sector development scenarios and forecast the future share of renewable energy within Armenia's energy portfolio based on economic, financial, energy security and other factors
- ✓ Develop short, medium and long-term targets for solar energy
- ✓ Offer policy recommendations for achievement of the targets
- ✓ Create a time-based action plan for achievement of the targets.

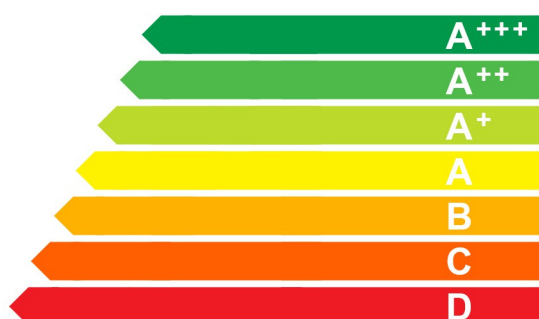
## Energy Efficiency

EA Energy Advisory provides energy efficiency services that optimize energy performance, enhance operational efficiency, conserve water, reduce greenhouse gas (GHG) emissions, and save funds.

Following the Government request, Armenia has been selected as one of the six reserve countries for the Scaling-Up Renewable Energy Program in Low Income Countries (SREP). The objective of the SREP is to pilot and demonstrate the economic, social and environmental viability of low carbon development pathways in the energy sector by creating new economic opportunities and increasing energy access through the use of renewable energy.

### Services:

- ✓ REM and onsite energy management services
- ✓ Energy audits
- ✓ Building optimization and commissioning
- ✓ GHG inventory, reporting, and verification
- ✓ Energy efficiency program evaluation
- ✓ Energy market analytics and market evaluation
- ✓ Surveys and studies





## 3 Water

EA Energy Advisory offers its services aimed at improving the quality and reliability of water supply services and the upgrading of wastewater treatment in Armenia. Our company stands ready to support Armenian government agencies, public and private stakeholders to improve the reliability of the service and reduce technical and commercial losses, as well as energy consumption and maintenance costs.

### Capabilities:

- ✓ Drinking Water
- ✓ Wastewater Treatment
- ✓ Water Resources

### Drinking Water

EA Energy Advisory provides a comprehensive range of planning, design, construction management and related supervision, start-up and optimization for municipal drinking water treatment, storage, and distribution systems. We approach our projects from the water infrastructure owner's perspective and our engineers and experts are ready to have been helping local governments and municipal utilities provide safe, secure drinking water for coming decades.

We use integrated approach and experience together, which allow us to develop cost-effective modern facilities that meet all international modern standards and requirements.

### Services:

- ✓ review of facility and system master planes;
- ✓ regulatory framework support;
- ✓ water infrastructure design and design review;
- ✓ water production, transmission and storage system;
- ✓ water distribution system;
- ✓ water quality management;
- ✓ project management;
- ✓ operations and maintenance;
- ✓ development of IT-tools
- ✓ startup assistance for all types of water facilities.

### Wastewater Treatment

EA Energy Advisory's wastewater treatment specialists combine their expertise in the general management, operation and management to meet our client's needs for effective, efficient treatment facilities. A comprehensive range of planning, design, construction management and supervision, start-up and optimization for municipal wastewater collection, transmission and disposal system.

### Services:

- ✓ Operating and maintaining sewerage collection, removal and treatment
- ✓ Developing a sewer networks and collectors cleaning and urgent repair program
- ✓ Developing and implementing and maintaining wastewater networks mapping program
- ✓ Developing operational and maintenance plans
- ✓ Developing investment and capacity planning for further investments





## Water Resources

EA Energy Advisory is glad to help the potential clients in providing safe, abundant water supplies; effective treatment of wastewater; and innovative watershed protection approaches to assess, protect, and restore Armenian water bodies. Our experts possess knowledge of all phases of the water cycle, so we use a truly integrated approach to manage the water resources with introduction of modern technologies and best practices.

### Services:

- ✓ Water resources assessments
- ✓ Water quality assessments
- ✓ Treatability studies
- ✓ Source water protection
- ✓ Designated uses and water quality standards
- ✓ Flood control
- ✓ Water rights and acquisitions
- ✓ Regulatory compliance and support

## 4 Transport, rail, and road

The turbulent conditions experienced by Armenia since independence has led to a wide range of problems in the urban transport subsector, including physical challenges due to the degraded state of the road network, sidewalks, and poor quality of public transport infrastructure and services including metro, bus and trolleybus. Other non-physical challenges include limited institutional capacity to provide an integrated transport network, a deteriorating road safety record and a lack of passenger information or integrated fares system. Improved urban road and street connections throughout the country is a priority for the government, as it is essential to improving the quality of life, attracting investment, raising productivity and competitiveness, and reducing pollution.

The professionals at EA Energy Advisory have the knowledge and expertise to solve these issues in a forward-looking manner with comprehensive planning and consulting.

### EA Energy Advisory provides the full spectrum of transport, rail and road services:

- ✓ Feasibility Study
- ✓ Environmental/Social Impact Assessment
- ✓ Detailed Design
- ✓ Bidding Documents for construction of roads and railways.




### The company provides also a range of transport services specifically:

- ✓ Transport modeling and forecasting
- ✓ Traffic simulation and
- ✓ Pedestrian simulation





A photograph of a wind farm at sunset. The sky transitions from a deep blue at the top to a warm orange and red near the horizon. Several wind turbines are visible, with the largest one in the foreground on the right. The text "Excellence in practice" is overlaid in white on the left side of the image.

Excellence in practice



## 5 Environment

### Environmental Management and Compliance

EA Energy Advisory works with clients to reduce and manage environmental and social risks that may arise during project development, operations or closure and decommissioning. We assist clients to meet the numerous and often complex regulatory requirements and at the same time address community and social concerns.

EA Energy Advisory team includes experienced auditors who can assist with ensuring that all monitoring procedures and results, and all commitments have been fulfilled.

#### Services:

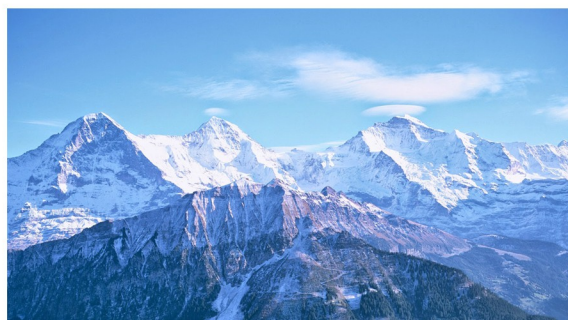
- ✓ Environmental Impact Assessment
- ✓ Environmental Management Plans
- ✓ Environmental and Social Monitoring
- ✓ Environmental, Health, and Safety Services
- ✓ Environmental Due Diligence
- ✓ Compliance Management Plans and Audits
- ✓ Compliance Trainings

### Air Quality

EA Energy Advisory services of air quality management include, but not limited to:

#### Services:

- ✓ Emission control technology analysis and monitoring
- ✓ Risk management plans
- ✓ Information about management systems
- ✓ Permitting services, consulting (construction/operation)
- ✓ Compliance auditing



### Waste Management

EA Energy Advisory support clients by developing designs for waste disposal facilities, assisting with permitting and reporting.

#### Services:

- ✓ Construction Quality Assurance
- ✓ Regulatory Assistance
- ✓ Compliance Monitoring





## 6 Information technologies

### Audit of IT infrastructure

In order to optimize your IT infrastructure EA Energy Advisory offers services of auditing your IT assets and infrastructure. Based on the thorough analysis of the existing equipment and software and possessing the knowledge of state-of-art solutions, technologies and hardware our company will elaborate a detailed report on the following matters:

- ✓ architecture of your information system
- ✓ network
- ✓ workstations
- ✓ servers
- ✓ databases
- ✓ connections
- ✓ security (internal policies and security software).

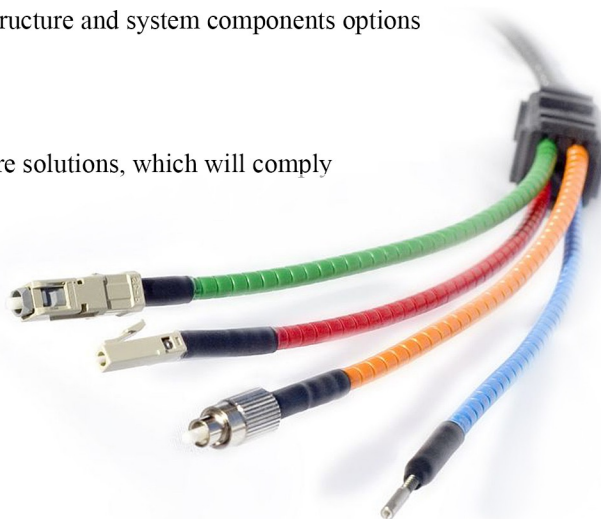


A special chapter in the report will be dedicated to our recommendations on extension and/or development of your projects and asset operation & maintenance.

### Conceptual design of IT infrastructure

EA Energy Advisory offers services on conceptual design of modern IT systems and infrastructure aimed to define optimum architecture for solution introduced taking into account existing IT environment. Our experts will provide detailed analysis of the organization IT regarding the solution to be introduced including:

- ✓ analysis of the current organization IT infrastructure state, detection of adjacent systems and interconnections
- ✓ analysis of IT system and IT infrastructure development plans (if exists)
- ✓ development of solution architecture options and IT infrastructure and system components options
- ✓ analysis of every component
- ✓ selection of the target architecture (alternative options)
- ✓ development of recommendations on software and hardware solutions, which will comply with your target architecture the best
- ✓ IT system and infrastructure design







## 7 Health and safety

### General and Specific Risk Assessments

EA Energy Advisory strategic risk management services help public and private sector organizations to minimize the risks associated with construction technology and business processes and also to maximize the productivity, efficiency, health and comfort of staff.

#### Services:

- ✓ Health and Safety Risk Assessments
- ✓ Health and Safety Policy and Procedures
- ✓ Health and Safety Strategic Reviews
- ✓ Health and Safety Consultancy

### Audits, Monitoring Supervision and Compliance

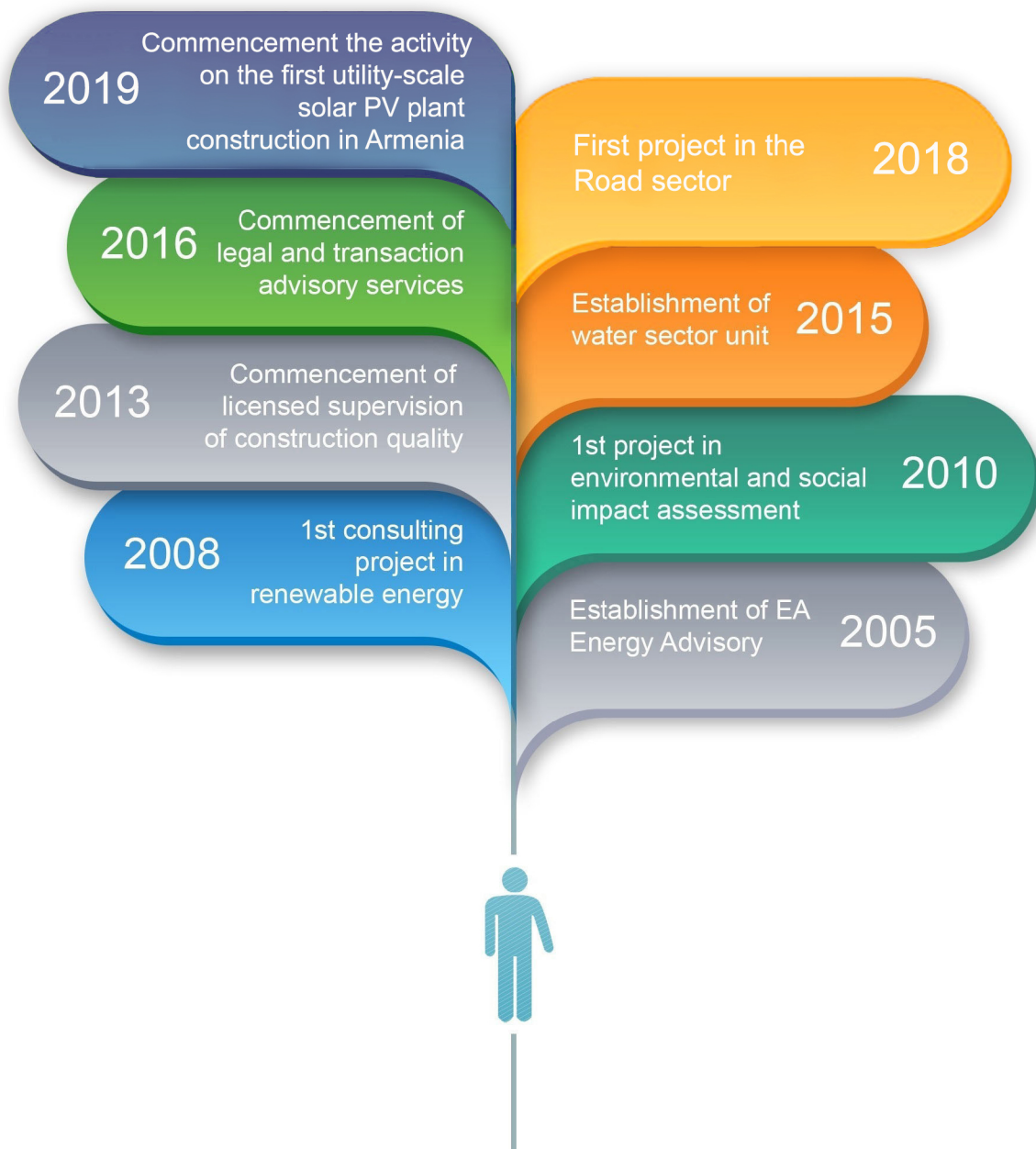
EA Energy Advisory provide health and safety audits, monitoring supervisions that can help you achieve legal compliance and high standards of health and safety management systems, policies and procedures. This activity is important especially in the framework of the projects, which are funded by International Financial Institutions.

#### Services:

- ✓ Health and Safety Compliance Audits / Site Inspections
- ✓ Health and Safety Management Systems
- ✓ Emergency Response Plans
- ✓ Accident Investigations
- ✓ Health and Safety Liability Assessment.



## 19 years **journey**



## 8 Our partners



[www.armenia.gazprom.com](http://www.armenia.gazprom.com)



[www.hifab.se](http://www.hifab.se)



[www.consulectra.de](http://www.consulectra.de)



[www.tractebel-engie.be](http://www.tractebel-engie.be)



[www.effergyenergia.com](http://www.effergyenergia.com)



[www.aries.com.es](http://www.aries.com.es)



[www.srp-consult.de](http://www.srp-consult.de)



[www.sachsenwasser.com](http://www.sachsenwasser.com)



[www.yerevan.am](http://www.yerevan.am)



[www.suez.com](http://www.suez.com)



[www.access-power.com](http://www.access-power.com)



[www.frv.com](http://www.frv.com)



[www.the-ecgroup.com](http://www.the-ecgroup.com)



[www.acciona-energia.com](http://www.acciona-energia.com)



[www.finance-in-motion.com](http://www.finance-in-motion.com)



[www.am.undp.org](http://www.am.undp.org)



[www.adb.org](http://www.adb.org)



[www.gitec-consult.eu](http://www.gitec-consult.eu)



[www.alvusesg.com](http://www.alvusesg.com)



Mercados-Aries  
International.

[www.mercadosaries.com](http://www.mercadosaries.com)



"Road Department" Fund /Armenia



## REFERENCE LIST OF EA ENERGY ADVISORY LLC (as of January 2025)

PERIOD	PARTNER	PROJECT
01/2025-ongoing	Finanace in Motion GmbH/Germany	GGF TAF Project 08/2024 – “Impact Assessment Services” INECOBANK, ARMENIA
11/2023-ongoing	FRV Masrik CJSC	“Technical Supervision Services and Compliance to the ESHS Management Plan and LRP (Masrik-1 PV Plant)
11/2022-ongoing	Fichtner GmbH&Co.KG/Germany	ESIA Consultancy for the IWRM/ Akhouryan River, Phase 4
05/2021-ongoing	Fichtner GmbH&Co.KG / Germany	Consulting Services for Promotion of "Renewable Energies (Accompanying Measure)”
12/2023-06/2024	"Road Department" Fund/ Armenia	North-South Road Corridor Investment Program, Tranche 3, CAP for a new project of the Yerevan-Gyumri-Georgia border M1 section about of 2km in length and a new road crossing in order to bypass the archaeological zone at Beniamin community
03/2022-10/2022	Fichtner GmbH&Co.KG / Germany	Stakeholder Engagement Plan (SEP) and Biodiversity Action Plan for the Caucasus Energy Network (CEN) Project
02/2022-07/2024	Mercados Aries International SA	OE PV Plant Masrik 50 MW – Social Plans
10/2021-02/2022	FRV Masrik CJSC	Land Acquisition and Category Change Masrik-1 PV Plant
08/2021-07/2024	Alvus ESG Consulting DMCC/ UAE	Environmental and Social Studies for the Ayg-1 PV Plant Project (200 MW)
02/2020-12/2023	"Road Department" Fund/Armenia	Preparation of a CAP / LARP for a new project of the Yerevan-Gyumri-Bavra M1 road section of about 2 km in length and a new road crossing at km93 + 700 of the Dzorakap community territory in order to bypass the archaeological zone in the vicinity of Beniamin community
07/2019-05/2023	Acciona Energia Global SL/Spain	Engineering and Consulting Services, Environmental and Social Impact Study for Armenian Sevan Wind farm
08/2021-03/2024	GITEC-IGIP GmbH/Germany, Sachsen Wasser GmbH/Germany	Assistance project for the Water Committee of Armenia and its main structures
02/2020-02/2022	Finance in Motion GmbH, Germany and ACBA-CREDIT	Impact Assessment Services & Technical Due Diligence of the RE Projects

08/2021- 10/2021	ADB	Power Transmission Rehabilitation Project
06/2020- 12/2020	UNDP	Development of strategy for the management of firewood collection and distribution from the forests
05/2019- 09/2020	Acciona Energia Global SL/Spain	Grid Interconnection Studies for Armenian Sevan Wind Farm
10/2019- 12/2020	FRV Masrik CJSC	Environmental and Social Management Plan – Masrik-1 PV Plant
03/2019- 11/2019	FRV Masrik CJSC	Spring 2019 Biodiversity Field Survey for Masrik-1 PV Plant
02/2019- 12/2021	Energy Consulting Group Ltd/Switzerland	Owners & Independent Engineer Mandate of the Yerevan Combined Cycle Power Plant 2
09/2018- 05/2021	Fichtner / Germany	Preparation of Environmental and social impact Assessment study for the IWRM/Akhouryan River
09/2018- 10/2019	FRV Masrik CJSC	ESIA – Masrik-1 Solar PV Power Plant and Hydrology Study of the area
04/2018- 12/2021	Safege SAS (Suez Consulting)/France	Consulting Services for: Design Review and Civil Works Technical Supervision of Rehabilitation and Improvement of the M6 Vanadzor-Alaverdi-Georgian Border Interstate Road (Section Km3B+450-
2018	Yerevan Municipality	Yerevan Solid Waste Project Environmental Impact Assessment
07/2017- 07/2022	Sachsen Wasser GmbH/ Germany	Technical Auditing Services of the Lease Contract (Water Supply and Wastewater Sector) of “Veolia Djur” CJSC
06/2016- 09/2022	SRP Schneider & Partner Ingenieur Gonsult GmbH/ Germany	Consulting services for design, technical and author supervision of the water supply and sewer systems of the Lori Water and Sewerage CJSC and Nor Akunq CJSC service areas, under the CIP II Phase 3
02/2016 - 05/2017	ÅF Aries Energía/Spain	Feasibility Study and Transaction Advisory Services for Preparation of Utility-Scale Power Project
12/2014- 09/2015	Effergy Energia/Spain	Solar Resource Mapping and Site Selection for Solar PV Power Plants
10/2014 – 10/2015	Fichtner / Germany	Environmental and Social Impact Assessment Study for Rehabilitation of "Ashnak", "Yerevan TPP" substations, 220 kV "Lori" and 110 kV "Tumanyan-1, 2", "Lalvar" and "Noyemberyan" Overhead Transmission Lines
09/2014 – 07/2015	Tractebel Engineering/Belgium	Technical investigations relevant to rehabilitation of Ashnak & Yerevan TPP substations and 110 kV Tumanyan 1,2 Overhead Transmission Lines



09/2014 – 07/2015	Tractebel Engineering/Belgium	<p>Technical investigations relevant to rehabilitation of Haghtanak, Charencavan-3 and Vanadzor-1 substations and rehabilitation of 220 kV Lori Overhead Transmission Line, namely:</p> <ul style="list-style-type: none"> <li>» Determination of the preliminary route for Lori OTL</li> <li>» Determination of the optimal preliminary route for Lori OTL (field activity) and support in preparation of functional/preliminary designs</li> </ul> <p>Support in assessment of the preliminary scope of rehabilitation of Haghtanak, Charencavan-3 and Vanadzor-1 substations and of the cost for full or partial replacement of Lori OTL</p>
07/2014 – 02/2017	Tractebel Engineering/Belgium	<ul style="list-style-type: none"> <li>» Technical investigations required for determination of the preliminary route of new 110 kV "Noyemberyan" and "Lalvar" overhead transmission lines:</li> </ul> <p>Support in determination of the optimal preliminary route of OTLs, including support in identification of 2-3 route options, conducting exploratory investigation for each route option, support in determination of preliminary tower locations thorough stereoscopic (3D) observation or topographic mapping, social and environmental safeguards implications for different route options, soil engineering- geological investigation etc.</p>
03/2013 – 11/2016	HIFAB / Finland	Consultancy Services for the Electricity Supply Reliability Project, Supervision of construction of 220 kV Overhead Transmission Line from Hrazdan TPP to Shinuhayr S/S
02/2010 – 04/2010	Fichtner GmbH&Co.KG / Germany	Environmental and Social Impact Assessment, HV-CS-2/2010 within Electricity Supply Reliability and Energy Efficiency Project
10/2010 – 04/2011	MVV-decon / Germany	Project techno-economic and implementation support consultancy work HV-CS-1/2010, within Electricity Supply Reliability and Energy Efficiency
04/2008 – 07/2008	"Armaviri Gazmash" Ltd/Armenia	Feasibility study of organization of manufacturing in Armenia of energy efficient solar water heating systems

03/2008 – 07/2008	“ArmRusgasprom” CJSC/Armenia	Development of Gastore 1.01 Geographical Information and Register of Assets System of the Abovyan underground gas storage
11/2006 – 01/2007	"Ameria" CJSC/Armenia	Regulatory and legal framework analysis of the gas sector of the Republic of Armenia
12/2006 – 03/2007	"ArmRusgasprom" CJSC/Armenia	Analysis of financial and economic activity of 18 gas supply and gas sales branch offices
07/2006 – 10/2006	"ArmRusgasprom" CJSC/Armenia	Development of Gasline 1.02 Register of Assets System of the gas transportation system of Armenia
12/2005 – 05/2006	"ArmRusgasprom" CJSC/Armenia	Development of Gasline 1.01 Geographical Information System of the gas transportation system of Armenia





Energy Advisory



Address: 10 Adonts st., Yerevan 0021,  
Republic of Armenia



[www.advisory.am](http://www.advisory.am)



(+374 60) 75 05 34



[info@advisory.am](mailto:info@advisory.am)