



ATMS Solutions



Company Profile

ATMS Solutions

12 years of qualified consultancy

Success and sustainability of projects or business activities depends on their environmental, social and energy performance, which require implementation of integrated approach, expertise and appropriate monitoring during their entire life cycle.

Background

ATMS Solutions LLC is a private independent consulting company established in Armenia in 2007. ATMS Solutions' primary goal is to help organizations improve their environmental, social and energy performance and better control of business-processes.

ATMS Solutions' team of professionals provides organizations with complete solutions to help them achieve high-performance level. With an industry and public diverse portfolio of Clients and expertise we are able to mobilize the right specialists, procedures and practices as well as up-to-date measurement and monitoring equipment to offer a wide variety of management and consultancy services in the following areas:

- Environment
- Waste management
- Energy management
- Occupational Health and Safety (OHS)
- Management systems (quality, environmental, health and safety, etc).

As a privately owned company ATMS Solutions has no affiliation with material suppliers or manufacturers, and therefore offers completely independent advices and consultations.

Services

Environmental consultancy

Improving the environmental performance of our Clients is a challenge we take very seriously. We have developed a wide range of procedures and mechanisms and have collected a team of highly experienced environmental specialists and technicians that can provide best approaches and solutions to address Clients' specific objectives.

ESIA and Due Diligences

ATMS Solutions' experts team is perfectly familiar with standards, procedures and policies of international donor/financial organizations, such as World Bank, European Bank for Reconstruction and Development, etc. and has successfully implemented a number of environmental and social impact assessments and due diligences for business entities operating in different sectors, such as mining and metallurgy, construction, food and beverage industry, energy supply, landfill management, telecommunication and other infrastructure. Besides, ATMS Solutions has a unique experience in elaboration of Environmental and social management frameworks for WB financed projects.

Environmental permitting

ATMS Solutions focuses on assisting companies to regulate and control the areas of their stringent environmental impacts, where specific environmental permissions will be needed. Our team of professionals specialized in environmental science, chemical technology, mining and metallurgy, food, beverage and other industry areas has capacities to apply best approaches and solutions and elaborate project documents to be submitted to State Authorized Bodies for approval and issuing of permissions. ATMS Solutions' services range from review of used technology, identification of main processes, inventory of sources of air emissions, water contamination and hazardous waste generation to development of final draft of project documentation ready for submission. If necessary, we also can conduct technical support services.

Waste management

Elaboration and implementation of waste management systems (both industrial and municipal) is one of the main activities of ATMS Solutions. Since 2007 and to present our specialists have provided consulting services to industrial and public units of Armenia, aimed at implementation of up-to-date waste management systems.

Health and safety consultancy

Aiming to assist companies in maintaining the high level of working conditions in the workplaces ATMS Solutions provide services in the area of occupational health and safety as well as industrial security beginning from initial risk assessment and ending with health and safety management systems implementation. Our approach and solutions bring together the experience of health and safety managers and other experts of what works best.

Health and safety procedures

Knowledge and experience of our specialists accumulating during the years of expertise in organizations of different types and specializations gives us capacities to deliver full health and safety procedures for our Clients. Our team members are familiar with the provisions of relevant national standards and best practices and successfully combine them in OHS procedures. We can draft health and safety procedures from scratch or update existing material in such a way to ensure that they will be used and not filed and forgotten. Our services range from elaboration of health and safety initial induction procedures to implementation of contractor management plans.

Attestation of workplaces

ATMS Solutions is the only one company in Armenia that has experienced in implementation of attestation of workplaces. Our services cover the entire life cycle of attestation of workplaces, from identification of workplaces to complex assessment of working environment and working conditions. In addition, ATMS Solutions provide specific expertise in measurement and analysis of physical and chemical factors, as well as psycho-physiological assessment.

Auditing

Environmental, health and safety audits

Environmental, occupational health and safety (OHS) audits conducted by our experts help companies to determine whether their operations and practices are in line with regulatory requirements and evaluate their performance against environmental, OHS policies, regulations and objectives and include:

- Site audit (assesses onsite conditions and the extent of contamination problems);
- Liability audit (requested by potential purchasers or by financial institutions when considering investment or acquisition);
- Compliance audit (addresses compliance with company policies and regulatory requirements);
- Management system audit (reviews technical and organizational aspects, usually within the context of corporate environmental and OHS strategy);
- Specific audits (assessing how well a particular aspect of health and safety, such as fire safety is managed);
- Waste minimization or pollution prevention audit.

Quality management system audits

As a part of consultancy services on development and implementation of quality management system (QMS) in accordance with ISO 9001 standard requirements, ATMS Solutions help companies to understand the compliance status of currently functioning QMS by conducting of diagnostic audits (gap-analysis), separate process audits as well as internal audits together with Clients internal audit team representatives and specialists.

Energy management

ATMS Solutions provides broad spectrum of energy studies from a quick walk-through of a facility to identify major problem areas to a comprehensive analysis of the implications of alternative energy efficiency measures.

Audits conducted by our specialists cover both energy generation (audit of boiler plants) and energy consumption (energy audits of residential and public buildings as well as industrial facilities) aspects of energy performance of our clients. ATMS Solutions is also engaged in development of national energy saving/energy efficiency policy by drafting of energy saving regulations, elaboration of energy saving national standards etc.

Management systems implementation consultancy

ATMS Solutions provides a broad range of custom-tailored consulting services designed to assist companies in development and implementation of requirements of not only ISO 9001, but also other generic standards, such as ISO 14001, OHSAS 18001, ISO 22000, etc. Whether your objective is to be certified to one of these management system standards, improve your existing management system, or to achieve business excellence, we will customize a program to fit your needs. Our specialists will help you develop business management systems that besides getting certified, improve operational performance and customer satisfaction, reduce business risks and increase profitability.

Measurements and monitoring

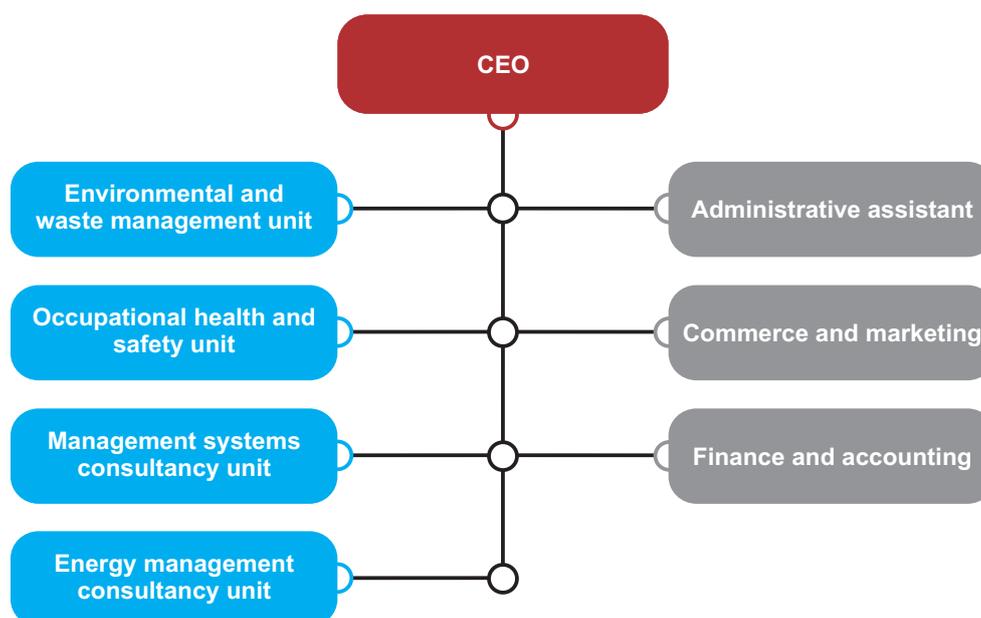
ATMS Solutions provides a complex services related to monitoring and assessment of physical factors (noise, vibration, microclimate, lighting, electromagnetic radiation) affected on human health and environment. Our reputation is based not only on providing Clients with thorough, accurate and reliable assessments and predictions, but also with innovative control methods and up-to-date monitoring and measurement equipment combined with appropriate software. Besides, we cooperate with leading measuring and testing institutions in Armenia to promote the independency and reliability of our services. This allows us to present a highly integrated service from measurement through to provision of detailed solutions for Clients.

Safety signs and labels

Safety signs are visual alerting devices, which used to ensure that observers are aware of potential hazards in the area. Installations, materials, safety measures, emergency exits, hazardous areas, etc. have to be in line with international standards and marked in such a way to be visible and comprehensive for workers, visitors and general public. ATMS Solutions propose the largest types of signs (warning, prohibition, mandatory, fire safety, first aid, emergency, etc.), which can be made in a variety of different sizes and materials. Moreover, we can tailor signs and labels to meet Clients specific

Structure and staff

ATMS Solutions' organizational structure foresees a permanent staff, which is entrusted with the day-to-day management of the projects, liaison with the Clients and provision of standard professional services. In order to enhance its flexible approach and to easily adapt to the Clients requirements, our staff is supported by a group of consultants (free lance experts), who assure, besides a highly qualified experience, a full appreciation of ATMS Solutions' vision, goals and business principles.



Clients

Due to high quality of services provided and customer oriented business approach the ATMS Solutions' Clients are leading economic operators of Armenia, international donor/financing organizations, as well as Public authorities. The list of our Clients is included, but not limited with:

- United Nations Development Program Armenia
- World Bank
- KfW German Development Bank
- European Bank of Reconstruction and Development
- Ministry of Territorial Administration of the Republic of Armenia
- Ministry of Economy of the Republic of Armenia
- National Competitiveness Foundation of Armenia
- Electric Networks of Armenia
- Yerevan Brandy Company
- Rusal Armenal aluminum foil producer
- Armenian Molybdenum Production
- Pure Iron Factory
- Geopromining Gold
- Dandy Precious Metals Kapan
- COCA-COLA Hellenic Bottling Company Armenia
- International Energy Corporation
- Astarak Kat
- Energacanc Project Institute

Experience

Feasibility Study for the KfW Financed Project «Integrated Solid Waste Management System, Vanadzor». For the Ministry of Territorial Administration, 2012-ongoing

ATMS Solutions is a Consortium partner for elaboration of Feasibility study for «Integrated solid waste management system, Vanadzor» project. The objective of Feasibility study is to develop an integrated solid waste management concept considering the full range of municipal waste streams to be managed by Vanadzor city and its surrounding municipalities/villages. Available waste management practices shall be presented to the Ministry of Territorial Administration and city of Vanadzor as a menu of options from which the preferred option will be selected.

KfW Financed Project «Study on Environmental Sustainability of Small Hydropower Plants (SHPPs) financed by the German Armenian Fund (GAF)», 2014-2015

The Program "Promotion of Renewable Energies" enhances access to loans for private companies investing in renewable energy sources. So far, the funds have been used for the construction and rehabilitation of 30 SHPPs. The loans are channelled via the GAF to Participating Financial Institutions (PFIs), which then on-lend the funds to the private companies. Recent debates about environmental risks of Small Hydropower Plants (SHPPs) have put this topic in more focus in Armenia. To study the environmental sustainability of SHPPs in Armenia ERM together with its contractor ATMS Solutions were invited by KfW to undertake a re-assessment of processes employed by the PFIs for environmental risk assessment and monitoring of the SHPP projects financed under the "Promotion of Renewable Energies" Program.

Traffic Survey within «Urban Roads Feasibility Study Gyumri, Armenia» Project, 2014-ongoing

The European Bank for Reconstruction and Development has awarded a contract for a study of the urban road and street lightning in Gyumri city to the Consortium led by IC Consultants. As a part of the contract a traffic survey

in Gyumri city shall be conducted and results of the survey shall be used as a baseline for project planning and implementation. ATMS Solutions was contracted by IC Consultants to carry out traffic survey at the junctions of city's main axis. The tasks also include the processing of survey data and their average daily, weekly and yearly projections.

Elaboration of Integrated Waste Management Plan for «Dandy Precious Metals Kapan» Company, 2014

To improve wastes management and handling procedures and practices, waste storage area conditions as well as enhance quality services delivery by municipal and other waste treatment/disposal entities, Dundee Precious Metals Kapan mining company, one of the biggest industrial units in Southern Armenia, owned by Dundee Precious Metals Group provided funding for the elaboration of Integrated Waste Management Plan IWMP. ATMS Solutions was selected for the elaboration of IWMP in accordance with Company's environmental policy.

Environmental Impact Assessment of Waste Storage Facility for Rusal Armenal Aluminium Foil Producer, 2014

With an objective to improve its own wastes management/handling practices, waste collection and storage activities Rusal Armenal company, the biggest aluminium foil producer in the region, initiated project for construction of industrial waste disposal facility, where wastes generated from technological processes shall be stored until final disposal. According to Armenian legislation such kind of projects before implementation should receive positive environmental conclusion from the Ministry of Nature Protection. ATMS Solutions was invited to elaborate environmental impact assessment report of the Project.

Assessment of Labour Condition in Coca-Cola Hellenic Bottling Company Armenia, 2014

ATMS Solutions was contracted by Coca-Cola Hellenic Bottling Company Armenia to carry out assessment of labour condition in the workplaces of production facilities and office premises. The works include instrumental measurements and assessment of physical factors of industrial environment, in particular noise and vibration actual levels, illumination and electromagnetic radiation values.

Monitoring of Nitrogen, Sulphur and Carbon Oxides as well as Dust and Other Air Emissions from Sites of Dandy Precious Metals Kapan Company, 2014

The main facilities of Dandy Precious Metals Kapan (DPMK) mining company are located in three different sites (enriching factory, mine and testing laboratory). In order to monitor the air emissions from stationary sources of Company's sites, including NO₂, CO, CO₂, SO₂ and dust emissions, prepare the maps of air emissions and assess their impact on background air quality of Kapan city, DPMK announced a tender and ATMS Solutions was selected to carry out the assignment. The works to be done also include preparation of air emissions monitoring program and elaboration of reduction and mitigation measures.

Consultancy Services on Implementation of Environmental and Social Action Plan (ESAP) of Sevan-Hrazdan Hydropower Plants Cascade Reconstruction Project, For International Energy Corporation, 2013-2014

The Sevan-Hrazdan HPP cascade, comprising of seven hydropower plants of 565 MW total nominal capacities is a key part of the Armenian electricity system and urgently needs substantial rehabilitation to ensure safe and stable operation and restore output capacity. The Cascade is owned and operated by the International Energy Corporation (IEC), which applied for the loan to EBRD and ADB. As a part of the loan provision an ESIA of the Project was conducted and appropriate report together with ESAP were submitted to IEC. ATMS Solutions was assigned by IEC to assist them in implementation of ESAP of the Project.

Environmental Impact Assessments for Reconstruction and Modernization Projects of Electric Networks of Armenia's Facilities, 2012-ongoing

ATMS Solutions was invited by the Energetics Project Institute to conduct environmental impact assessments of projects for construction, reconstruction and modernization of electricity supply infrastructure (substations, OTLs), including replacement of transmission line near Qaraberd community in Lori marz, modernization of electricity supply substation in Dilijan city, implementation of new transmission line for Teghut mine and facilities, etc.

UNDP/GEF Funded Task «Translation and Adaptation of CEN Standards on Energy Consuming Household Appliances Performance and Testing Methods». For the Ministry of Energy and Natural Resources, 2011-2012

ATMS Solutions has successfully completed translation and adaptation of seven CEN standards on energy consuming household appliances (convectors, heating boilers, air conditioners, clothes washing machines, refrigerators and their combinations) performance and testing methods. All drafts of standards are conformed by project beneficiaries and submitted to National Standard Institute for approval.

Environmental Audit of the Facilities of Electric Networks of Armenia. For EBRD and Electric Networks of Armenia, 2010-2011

The Electric Networks of Armenia (ENA) has received a loan from EBRD with the purpose of partial financing of the implementation of reconstruction and rehabilitation project for the distribution network of Armenia operated by the Company. One of the pre-conditions for the provision of the loan set by EBRD is implementation of the Environmental and Social Action Plan. ATMS Solutions was assigned by ENA to conduct audit of ENA's facilities and assess the implementation status of Environmental and Social Action Plan in accordance with the monitoring provisions.

EBRD Financed Project «Armenia: Akvatekh Environmental Due Diligence». For EBRD and «Akvatekhavtomatika» CJSC, 2010

«Akvatekhavtomatika» CJSC, Armenia's largest fish producer, has applied to EBRD for a loan, which should be used for acquisition and installation of efficiency-increasing fish-breeding equipment and infrastructure improvement, etc. The Company has significant related party transactions with at 4-5 related companies and its operating assets are split between these entities (Khajts-Ishkan, Araks, Sis Arka, Guy and Sis farms). As part of appraisal process an integrated audit was required to determine the extent of Company's environmental, social, hygiene and food safety risks and liabilities and ATMS Solutions was selected as the Consultant to undertake Environmental due diligence.

UNDP/GEF funded Task «Elaboration of draft RA Government Decree on Regulations Concerning the Energy Efficiency Labeling of Energy Consuming Appliances and Devices». For the Ministry of Energy and Natural Resources, 2010

In 2008-2009, «Armenia - Improving the Energy Efficiency of Municipal Heating and Hot Water Supply» UNDP/GEF Project performed «Capacity building for domestic gas appliances energy efficiency indicators labeling system introduction in the Republic of Armenia» Task. The Ministry of Energy and Natural Resources assessed the Task's results positively and applied for the UNDP/GEF Project's assistance in draft elaboration of Government Decree «On adoption of regulation on energy efficiency labeling of energy consuming appliances and devices». ATMS Solutions together with its Consortium partner Gazoterm LLC was selected by UNDP/GEF Project for elaboration of this Government Decree.

«Environmental and Social Management Framework (ESMF) for National Broadband Backbone and Government Network» Project. For the Ministry of Economy and World Bank through National Competitiveness Foundation of Armenia, 2010

ATMS Solutions was invited for implementation of environmental assessment of the telecommunications sector in Armenia, which would serve as a general guide for the design and execution of the infrastructure development projects, in particular those to be financed with the World Bank's support. The assignment was carried out within sub-component «Nationwide Broadband Backbone and Government Network» of «Technology Competitiveness Enhancement Project».

Flue Gas Emissions Monitoring and Efficiency Assessment of Boiler Houses of Yerevan Brandy Company and Its Regional Branches, 2009

The Yerevan Brandy Company (YBC) has awarded a contract to ATMS Solutions for flue gas emissions monitoring and performance evaluation of operating steam boiler houses located in Yerevan, Armavir and Aygevan branches. The scope of study included obtaining an exhaust-gas analysis (i.e. O₂, CO₂, NO₂, CO), measurement of flue gas temperature and velocity in the measuring section, excess air, and thermal efficiency of boilers.

UNDP/GEF funded Task «Monitoring the Operating Centralized Heat Supply Systems of Avan District in Yerevan in Republic of Armenia». 2010-2011

ATMS Solutions together with its consortium partner JermGasShin LLC has monitored the Energy center and Boiler-house allocated in Avan district in Yerevan, as well as 6 residential buildings, which receive heat and hot water from the mentioned boiler-houses with the viewpoint of energy efficiency. This have included the evaluation of the quality of heating and hot water received from centralized heat supply systems, as well as evaluation of energy efficiency of existing centralized heat supply systems in comparison with the individual system implementation option(s). The preliminary study of external heat networks design and installed measuring equipment of the selected heat supply systems was also conducted.

UNDP Financed Project «Environmental audit for the Noubarashen landfill in the City of Yerevan». For World Bank, 2009-2010

To reform the currently inefficiently functioning solid waste management system in Yerevan city, the Government of the Republic of Armenia requested the Public-Private Infrastructure Advisory Facility (PPIAF) grant, which administered by World Bank, to support the feasibility study on solid waste management system for the city of Yerevan through private sector participation. As part of the preparatory work for the Noubarashen landfill Design-Finance-Build-Operate transaction (DFBO), an environmental and social impact assessment for the Noubarashen landfill, including planned landfill extension areas has been carried out by ATMS Solutions.

Consultancy Services on Elaboration of Water Consumption and Discharge Norms. For Rusal Armenal Aluminum Foil Producer, 2007

ATMS Solutions was assigned by Rusal Armenal CJSC for provision of consultancy aimed at identification of main sources of water consumption and discharge, calculation of their average norms on hourly, daily and yearly basis in correspondence with national legislation requirements and best available practices, elaboration of water balance. Also our specialists have assisted Company in drafting of design document of water consumption and discharge norms to be submitted to the Ministry of Nature Protection.



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