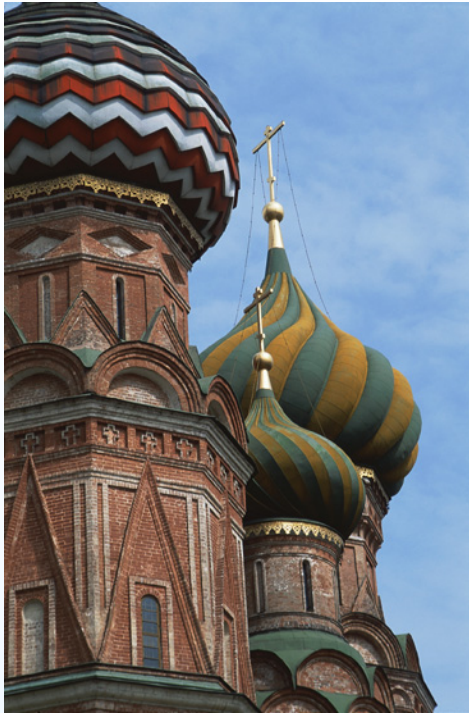




Environmental Management

Russia and the Former Soviet Union



ICF/EKO is an environmental consulting company founded in 1992 by ICF International, one of the world's leading management and analytical consulting firms. For more than 30 years, ICF has served major corporations, government at all levels, and multinational institutions from key global business centers. Through ICF/EKO, we provide a wide range of environmental and related consulting services, including environmental consulting, environmental impact assessment, and environmental auditing, to various private and public clients in Russia, and other countries for the former Soviet Union.

ICF/EKO's Capabilities

Development of specific, environmentally sound policies and strategies aimed at protection and sustainable use of natural resources

Environmental assessments of industrial facilities, in operation or in design, to identify potential environmental impacts, develop control strategies, and ensure compliance with applicable environmental regulations and standards

Valuation of environmental liabilities to assess proposed investments and property transactions

Research and modelling to characterize environmental impairment and identify the risks and costs of environmental restoration and control options

Development of financial and economic aspects of investment projects to help our clients conduct investment project appraisals, design financing solutions, assess and allocate risks, evaluate financial viability of applicants for investments, and draft economic and financial sections of business plans

establishing production of the alternatives in Russia. The project was funded by a World Bank grant and four alternate strategies for the production industry were provided. The report included detailed enterprise-by-enterprise assessments of expected incremental costs under each strategy and provided a testing of additional assumption sets suggested by the World Bank. Proposals for funding of actions taken at each of the plants were also produced.

Strategy and Proposals to Phase Out ODS Use in Halon, Non-Insulating Foams and Solvents Sectors in Russia.

ICF/EKO helped companies in Russia define and select the most suitable alternatives to the use of ozone depleting substances (ODS). Russia, as part of its obligations under the Montreal Protocol, has embarked on a program to eliminate the use of different ODS across a variety of applications. ICF/EKO supported organizations, both private and public, in developing methodologies that facilitate the conversion from ODS in the most cost-effective and technically sound manner. ICF/EKO evaluated the cost of implementation for the alternatives recommended. The investment project proposals were prepared to eliminate ODS use in product manufacturing and servicing operations. To solve the last task, ICF/EKO's experts collected and evaluated detailed technical and financial data for over 20 ODS-using enterprises. The World Bank/U.S. Trade and Development Agency (TDA) funded the project.

Featured Projects

Global Environmental Issues Ozone Depleting Substances Production Phaseout in Russia.

ICF/EKO developed a plan for the implementation of the Montreal Protocol by phasing out the production of chlorofluorocarbons (CFCs) and

- Global Environmental Issues
- Environmental Assessments
- Environmental Regulations and Standards
- Environmental Monitoring and Management
- Financial and Economic Aspects of Investment Projects
- Waste Management

Environmental Assessments

Phase 1 Environmental Assessment and Monitoring to Support Confectionery Plant Construction.

ICF/EKO conducted a Phase I Environmental Assessment at an undeveloped site near Stupino, to evaluate its suitability for a proposed MARS (U.S.) confectionery plant. The purpose of this "greenfield" site assessment was to identify possible sources of contamination on or adjacent to the site, prepare a preliminary evaluation of the characteristics of the area, and decide whether additional study was necessary.

Environmental Regulations and Standards

Environmental Safety in the Altai Region.

For the Russian Committee on Consequences of the Chernobyl Accident, ICF/EKO proposed methods to improve environmental management in the Altai region subjected to the Semipalatinsk nuclear test range. ICF/EKO developed a methodology for assessing the potential health effects of existing chemical contamination on the population of the region and created a set of economic and administrative incentives for rational nature resources use and a system of compensatory measures, including the establishment of the regional compensation environmental facility.

Environmental Monitoring and Management

Major Russian Oil Company (TNK).

ICF helped develop a corporate environmental strategy. The project included developing the main approach to the corporate environmental management system and assisting in developing the corporate Environmental Protection Service. ICF then performed an environmental management systems (EMS) assessment and developed a framework for a new corporate EMS for the same Russian integrated oil and gas company as part of financing. During phase two of the project, the team developed a corporate Health and Safety Management System. This included a gap analysis of the existing system, development of the main principals of the corporate H&S policy and procedures for the management system and assistance in implementation at the subsidiaries of the company. The system was approved by the State Mining and Industrial Safety Inspection (GosGorTekhNadzor) and the Russian Ministry.

Concept of Environmental Monitoring and Sustainable Development for the Astrakhan Gas Complex (AGC).

Based on the current state evaluation, a concept for the AGC (the largest industrial complex of intensive environmental impact in the South Russia) was developed. Requirements for the comprehensive safety assessment of the AGC operating, as well as principal ways for solving the environmental-economic challenges and the concept implementation, were identified.

Financial and Economic Aspects of Investment Projects

Preparation and Enterprise Financial Evaluation of Non-Insulating Foam Sub-Projects.

The ICP "OZONE" contracted ICF/EKO to prepare a number of enterprise-specific, non-insulating foam subprojects for appraisal and funding within the Third Tranche of the Russian Federation Global Environmental Facility (GEF) ODS Phaseout Project. Six enterprise-proposed subprojects were screened for financial viability and subproject eligibility. Based on the screening results, three subprojects were selected, and detailed documentation in WB format was prepared. In addition, a financial viability evaluation of each potential beneficiary enterprise was provided.

Waste Management

Environmental Assessment of Municipal Landfill.

ICF/EKO identified and evaluated options for remediating the largest municipal landfill in the Moscow metropolitan region (Oblast). Both environmental and economic concerns were considered for each alternative. Located in a suburb called Noginsk, the unlined landfill covers 114 hectares and is about a half kilometer from an area of gardens used by Muscovites to raise fruit trees and vegetables for consumption. The key problem is leaching from the landfill seeping into the groundwater migrating toward the town's already inadequate water supply. The recommended alternative calls for installing a drainage system around the landfill that will prevent the contaminated water from reaching the water supply.

History

ICF Consulting was founded in 1969 as a venture capital firm financing inner-city businesses. In 2006, ICF Consulting was

renamed ICF International to reflect its growth into a diversified professional services firm that offers government and commercial clients advisory, implementation, and improvement services throughout the full life cycle of a program. In addition, ICF International has grown geographically to provide services throughout North America and around the globe.

Clients

- World Bank
- European Bank for Reconstruction and Development (EBRD)
- United Nations Industrial Development Organization (UNIDO)
- Global Environmental Facility (GEF)
- Russian Federal Committee on Land Reform and Land Surveying
- U.S. Environmental Protection Agency
- U.S. Trade and Development Agency
- Administration of the Noginsk region (Moscow Oblast) and Volgograd Oblast (Russia)
- Several of the largest companies in Russia, including Gazprom, Tyumen Oil Company, and Alrosa
- Mars, Inc. (U.S.), IABG mbH (Germany), Tauw Milieu (Netherlands)
- Lukoil and Sibneft
- Consortium of European
- US companies operating in the North Caspian (OKIOC)
- ExxonMobil, Chevron, Shell, and BP
- Bratsk and Volgograd aluminum smelters
- Pulp and paper mills, chemical and petrochemical enterprises all over Russia

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