



Environmental and Infrastructure Development Services in Kazakhstan



ICF International is globally recognized for its deep expertise in environmental consulting. We have relevant experience in Kazakhstan and bring a comprehensive range of services to our Kazakhstani clients.

Our Capabilities

ICF staff pioneered much of the ground-breaking environmental impact work in the Caspian Sea in the early 1990s, well before Offshore Kazakhstan International Operating Company (OKIOC) was formed. Over the years, we have continued to work in Kazakhstan, gaining in-depth knowledge of Kazakhstan's unique ecology, as well as an understanding of its environmental regulations. In addition, we have developed an excellent network of local partners who work side by side with ICF to ensure that our clients receive consulting services that meet or exceed international standards.

ICF offers a complete range of services for design, evaluation, and implementation of environmental policies and projects around the world. We develop and refine strategies that address environmental, health, and safety (EHS) challenges, including market-based incentives, public-private partnerships, and performance-based approaches on five continents. As industry leaders in environmental consulting, we create sound, well-researched solutions for our clients.

Environmental and Infrastructure Development Services

- Air Quality Management
- Climate Change and Greenhouse Gas Accounting and Strategies
- Environmental Due Diligence
- Environmental, Health, and Safety Auditing
- Environmental Management Systems
- Environmental Impact Assessments
- Environmental Baseline Surveys
- Environmental Monitoring
- Geotechnical Engineering
- Hazardous Waste Management and Minimization
- Oil Spill Prevention and Emergency Response
- Hazardous Waste Remedial Investigations and Remedial Actions
- Resettlement Action Plans
- Socioeconomic and Health Risk Assessments
- Environmental and Social Management Plans
- Transportation Risk Analysis

Featured Projects In Kazakhstan

Department of Foreign Affairs and International Trade (DFAIT) Canada.

ICF conducted a comprehensive assessment of sectoral potential to execute Joint Implementation (JI) and Clean Development Mechanism (CDM) projects in Kazakhstan and Russia. The assessment covers power generation, distribution, and consumption sectors; oil and gas production and transmission; coal mining; metallurgy; forestry and land use; and waste management. We identified suitable JI initiatives in the sectors, and studied institutional frameworks to implement the initiatives.

Lukoil Overseas Services.

ICF conducted a series of environmental audits of several oil-producing enterprises operating in Kazakhstan (Kumkol' oil field) and Azerbaijan (Zyh-Gosvany oil field). We studied and evaluated environmental, health, and safety issues using European Bank of Redevelopment (EBRD) approaches and methods.

British Gas and Agip.

ICF performed a comprehensive pre-acquisition study and environmental baseline survey of the giant Karachaganak field. We also performed a substantial amount of additional work for the Karachaganak Integrated Organization. This work included Environmental Impact Assessments (EIA) to support field expansion, environmental auditing, and strategy & tactical advice on the issue of the sanitary protection zone around the field. ICF staff conducted air dispersion modeling, reviewed baseline and emissions data, developed management strategy workshops, and created a project delivery assurance system.

Exxon. ICF performed environmental, due diligence, and regulatory reviews of Western Kazakhstan oil and gas opportunities. We also compiled and reviewed environmental data and regulatory requirements for the Caspian Sea, particularly in the Nakhchivan contract area.

Featured Projects in Kazakhstan (continued)

Oil and Gas Joint Venture. ICF performed an EIA, environmental audit, and regulatory guidance services for the development of a group of oil, gas, and condensate fields in northwestern Kazakhstan. The project was funded in part by the International Finance Corporation and the World Bank. ICF's work on this project also included the assessment of the construction of a gas plant to generate power for the nearby city of Uralsk, and construction of a pipeline, roadways, and other infrastructure needed to support the proposed development.

Consortium of International Oil Companies (KazakhstanCaspishelf (KCS) pre OKIOC).

ICF staff completed the first baseline investigation and EIA in the North Caspian. The work was in support of the largest marine seismic survey performed in the world to date. ICF's work included a comprehensive field investigation program, documentation of existing conditions (in GIS format), analysis of impacts, recommendation of mitigation, environmental management and monitoring plans, and presentations at a series of public meetings.

Other Featured Projects

Petro-Chemical Plant, Hizhnekamsk, Russia.

For the Joint Stock Company "Nizhnekamskneftekhm" (NKNK) ICF conducted an EIA for the second stage of polystyrene operations with a design capacity of 50,000 tons per year. The EIA conformed to Russian and international (Overseas Private Investment Company (OPIC)) standards. An environmental baseline was established and various environmental impacts assessed, including air emissions, water discharge, and waste disposal. A detailed health and safety assessment of cumulative impacts, and the potential human health and ecological risks associated with the proposed operations were evaluated and presented. ICF also developed an environmental monitoring plan, which was incorporated into the NKNK environmental action program.

Belarus Restoration Program. ICF staff provided training for hundreds of Belarusian officials in the former Soviet Union as part of a two-year, US\$7.6 million, Cooperative Threat Reduction Program. Our training program included technical, hands-on and classroom sessions; academic sabbaticals; international conferences; and government-to-government delegation exchanges. ICF experts provided on-site investigation and engineering services at former strategic missile bases in Postavy and Kosteny, Belarus and remediated thousands of tons of contaminated materials.

West African Environmental Projects. ICF's West African experience began in the early 1990s. ICF has provided Onshore/Offshore Environmental Baseline Surveys, Environmental and Socioeconomic Impact Assessments (EIA/SIA), and Resettlement Action Plans (RAP) for the proposed West African Gas Pipeline, a joint venture of six companies. All of our studies have been approved by the World Bank, Multilateral Investment Guarantee Agency (MIGA), OPIC, and each of the four countries. This significant energy project requires regional and individual country (Benin, Ghana, Nigeria, Togo) EIA/SIAs and RAPs in conformance with national, international, World Bank, OPIC, and MIGA standards and guidelines. In addition, we have prepared Environmental and Social Management Plans for each of the countries and are assisting with the implementation of those plans. ICF also prepared a preliminary EIA report for the Agbami Field development of a deepwater well for Chevron Nigeria, Ltd.

Astrakhan Gas Complex (AGC). Based on the current state evaluation, ICF developed an environmental monitoring and sustainable development concept for the AGC, which is the largest industrial complex with an intense environmental impact in South Russia. We identified a compliance strategy for completing the AGC construction and provided for the rational development of the AGC. Further, requirements for a comprehensive safety assessment of AGC operations, ways to solve environmental-economic challenges, and concept implementation were provided.

State Oil Company of the Azerbaijan Republic (SOCAR).

For SOCAR and European Bank for Redevelopment (EBRD), ICF provides management advice for the Health, Safety, and Environmental (HSE) objectives and an overall approach to SOCAR's restructuring and commercialization. The overall objective of this effort is to enable SOCAR to transfer its current role to a commercially focused operation.

About ICF Consulting and ICF/EKO

ICF International (www.icfi.com) partners with government and commercial clients to deliver consulting services and technology solutions in defense, energy, environment, homeland security, social programs, and transportation. Combining passion for our work with industry expertise and innovative analytics, we deliver compelling results throughout the entire program life cycle, from analysis and design through implementation and improvement. Since 1969, ICF International has been serving government at all levels, major corporations, and multilateral institutions. More than 1,600 employees serve these clients worldwide.

ICF/EKO (a subsidiary of ICF International) was established in Moscow in April 1992. ICF/EKO is the oldest advisory services company to have continuous operations in Russia. We are fully licensed to conduct environmental consulting, environmental impact assessment, and environmental auditing in Russia. Our presence in Moscow fully leverages an impressive global network of environmental experts, with a world-wide presence of more than 1,600 employees serving our clients from key business centers in the Americas, Asia, and Europe.

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