Project Name	Client	Start Date	End Date	Brief Scope Description
Strategic Environmental and Social Assessment (SESA) of the oil and gas sector of Senegal-Offshore and Onshore	MINISTRY OF PETROLEUM AND ENERGY Senegal	Jun-22	Ongoing	• Identification, description and assessment of the issues, risks and potential direct, indirect, short, medium and long-term, cumulative and cross-border environmental and social impacts; • Identify all stakeholders and their concerns; • As for the existing national legislation and regulations in the field of environmental, social, health and safety management, identify the gaps with the requirements of the World Bank, thus making it possible to identify the additional regulatory needs for guarantee, according to international practices, appropriate management of risks and potential impacts; • Drafting of recommendations / operational guidelines to avoid, remove or mitigate risks and impacts, which will be immediately applicable to the oil and gas sector, and then transposed into national regulations.
Environmental Baseline Surveys in Bina Bawi and Miran Oilfields for GENEL ENERGY	Bureau veritas-S.A. - GENEL ENERGY	Feb-18	Aug-18	• Ecological baseline surveys; • Socio-economic baseline surveys; • Archaeology & cultural resources baseline surveys; • Hydrogeological baseline surveys; and • GIS Mapping
Environmental Baseline Surveys for Peshkabir and Tawke Fields for DNO International	Bureau veritas-DNO International	Mar-18	Jun-18	• Conducting ecological baseline survey; • Conducting socio-economic baseline survey; • Conducting archaeology & cultural resources baseline survey; • GIS Mapping.
Environmental Baseline Surveys for Peshkabir Field for DNO International, Kurdistan	Bureau veritas-DNO International	Jun-17	Aug-17	• Conducting ecological baseline survey; • Conducting socio-economic baseline survey; • Conducting archaeology & cultural resources baseline survey; • GIS Mapping.
Baseline Surveys for Atrush EIA Addenda-Export Pipeline for Taqa Atrush B.V	Bureau veritas-TAQA ATRUSH B.V.	Nov-16	Dec-16	• Conducting ecological baseline survey; • Conducting archaeology & cultural resources baseline survey; • GIS Mapping.
Environmental Baseline Surveys for Early Works Project in Missan Oil Fields in Iraq	Bureau veritas-CNOOC	Mar-15	Aug-15	ELARD conducted baseline surveys that covered the following components: • Topography; • Meteorology; • Geology and Hydrogeology; • Soils; • Hydrology and Surface Water; • Ecology;

Project Name	Client	Start Date	End Date	Brief Scope Description
				• Radiation, • Archaeology and Cultural Heritage; and • Socio-Economics. • The environmental baseline surveys were carried out in accordance with ASTM Standard D6008-96, Standard Practice for Conducting Environmental Baseline Surveys (EBS) and the European Commission Guidance on EIA- EIS Review (EC, 2001). The approach involved the following main tasks: • Detailed search and review of records; • A site reconnaissance that includes a visual inspection of the conditions of the study area; and • Detailed baseline studies.
Support in the Environmental Baseline Surveys (EBS) and Environmental and Social Impact Assessment (ESIA) for Crude Oil Pipeline in Missan Oilfields, from Buzurgan to Halfaya, in the Republic of Iraq	Bureau Veritas Abu Dhabi	Feb-13	May-13	• Description of the geology, soil, groundwater, surface water, socioeconomics, cultural heritage and archaeology baseline environment along the proposed pipeline route. • Secondary data were collected from available documents, and primary data were collected through extensive field surveys that included the collection and analysis of soil, groundwater and surface water samples. • Conducting noise and air quality sampling campaigns. • An identification and assessment of the potential impacts that could arise from the project's interaction with the soil, groundwater, surface water, cultural heritage and archaeology and socio-economic components. • The Environmental and Social Management Plan (ESMP) for the following environmental components: soil, groundwater, surface water, socioeconomics, and cultural heritage and archaeology.
Environmental and Social Impact Assessment for the Missan Crude Oil Export Pipeline (MOEP)	Petrochina Company Limited, Iraq Branch	Mar-13	Jun-13	• A description and analysis of the Iraqi regulations that the Project's design, construction and operation should comply with; • A description of the pipeline Project and an analysis of alternatives; • A thorough description of the environment along the proposed pipeline route with information collected from available documents, and primary data collected through extensive field surveys that included soil, groundwater, surface water, noise and air quality sampling campaigns; • An identification and assessment of the potential impacts that could arise from the Project's interaction with the environmental and socio-economic components; • An Environmental and Social Management and Monitoring Plan

Project Name	Client	Start Date	End Date	Brief Scope Description
				(ESMMP), which describes the measures that should be taken by different Project entities during the Construction and Operation phases; • The preparation of a Solid Waste Management Plan; • The preparation of a Water Body Crossings Management Plan; • The preparation of a Site Restoration Plan; and • The preparation of an Oil Spill Contingency Plan.
Environmental Impact Assessment (EIA) Study of the Security Perimeter Fence of the West Qurna 2 (WQ-2) Oilfield Development	SIMA Baghdad	Mar-13	May-13	• A description and analysis of the Iraqi regulations that the Project should comply with; • A description of the Project; • A desktop description of the baseline environment in the Project area; • An identification and assessment of the potential impacts that could arise from the Project's interaction with the environmental and socio-economic components; and • An Environmental and Social Management Plan (ESMP), which describes the measures that should be taken by different Project entities during the construction, maintenance and rehabilitation of the security fence.
Environmental and Social Impact Assessment for the Front-End Engineering and Design (FEED) Stage of a Grassroots Oil Refinery, Nassiriya - Iraq	Oil Projects Company (SCOP)	Aug-11	Nov-12	This ESIA study is being undertaken during the FEED stage of the proposed Nassiriya refinery project (300,000 BPSD) aiming at identifying the key environmental issues at the conceptual design phase by means of a "first emissions" assessment (i.e. atmospheric, inland, etc.), an "alternative designs and process" investigation and an independent environmental and social impact assessment. The objective is to provide environmental information to the engineering team at a very early stage of the basic engineering process for a successful integration of the Best Available Technologies (BAT) and control measures to maximize the Project's environmental performance. The results of the ESIA study are intended to be subsequently used during the Detailed Engineering, Procurement and Construction (EPC) stage of the project. The ESIA study involves the following: • Identification of all applicable national Iraqi and international regulatory environmental requirements for the Project and all relevant public and private institutional Stakeholders for the development a Stakeholder Engagement Plan (consultation plan);

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				• Provision of a detailed description of the Project components, construction plan and processes of the planned land-based infrastructure, schedules and management, and refinery operation. • Assessment of the existing environmental baseline conditions in the project area through performing the following: 1. Air Quality Monitoring campaign; 2. Noise Monitoring campaign; 3. Subsurface soil, surface water and groundwater Sampling; 4. Ecological survey (covering the relevant terrestrial and aquatic receptors); 5. Socio-Economic Survey (covering the project affected population and communities and cultural sensitivities); 6. Traffic monitoring campaign; 7. Archaeology and culture survey; 8. Public Consultation and Stakeholder Engagement Meetings; and 9. GIS Mapping. • Air Quality Technical Study (Emissions Inventory and Dispersion and Deposition Modeling and Impact Assessment); • Sound Quality Technical Study (Noise Modeling and Impact Assessment). • Wastewater discharge modeling study. Surveys and sampling campaigns are carried out in line with International Guidelines and Standards such as those set by the World Bank's IFC Equator Principles and Performance Standards. • Identification of the nature and extent of any potentially significant environmental and social impacts be they positive (beneficial) or negative (adverse), temporary or long term, including routine, non-routine (planned) operations and unplanned (accidental) events. • Performance of a Best Available Technologies (BAT) Analysis to identify alternatives considered for potential control technologies and techniques • Development of a tailored, practical and cost-effective Environmental and Social Management Plan (ESMP) that assures the Project's compliance with national regulations, Contract Terms and HSE requirements and international guidelines and Codes of Best Practices. The ESMP includes a list of mitigation measures, monitoring activities, procedures and protocols to be adopted by the Foster Wheeler and Sub-Contractors during the Construction

Project Name	Client	Start Date	End Date	Brief Scope Description
				and Operation phase to minimize the risk of contaminating the local and global environment. • The FEED stage is properly guided and informed by the ESIA process to ensure the negative environmental impacts from the project are minimized and positive impacts are maximized, to the extent possible.
Environmental Impact Assessment & Environmental Site Assessment for Cameron New Aftermarket Base-Basra, Iraq	Cameron	Feb-12	Jun-12	• The preparation of an Environmental Impact Assessment study for Cameron camp in Iraq. The scope of work for the EIA study included: – Identifying all applicable national (Iraqi) and international regulatory environmental requirements for the Project; – Describing the existing environmental and socio-economic conditions prevailing at the site and the surrounding area before the start of construction activities; – Describing the Project characteristics and processes which may impact the environment; – Analysis of different Project alternatives, – Identification and assessment of potential impacts of the Project on the existing environment during Project construction and operation; – Identifying appropriate mitigation measures; and – Summarizing the control measures and monitoring programs that shall be implemented to comply with the Iraqi Government and/or international standards. • Conducting a Phase 1 Environmental Site Assessment. The assessment was prepared in general accordance with (ASTM) Standard Practices for Environmental Site Assessments: Phase 1 ESA Process (ASTM Designation: E1527-2005). The purpose of the Phase 1 ESA was to identify any potential sources of environmental risk or liability on the subject property. This assessment included a site reconnaissance as well as research and interviews with Cameron and government officials from the South Oil Company (SOC), the owner of the land. • Conducting a Phase 2 Environmental Site Assessment. The objective of Phase II ESA was to validate the results of the Phase I ESA conducted earlier by ELARD which revealed evidences of possible recognized environmental conditions (RECs) associated with the subject property, the Phase I ESA recommended a Phase II ESA to be conducted. The Phase II ESA was conducted in general accordance with the American Society of Testing and Materials (ASTM) Standard Practices for Environmental Site Assessments: Phase II ESA Process (ASTM Designation: E1903-97). The assessment included the collection of Ten

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				soil samples (in addition to two quality control/ quality assurance (QA/QC) samples), one sample as a field blank and one sample as a duplicate), and three groundwater samples from wells drilled for sampling purposes (in addition to two samples as part of the QA/QC procedure). The samples were sent for analysis to Analytico laboratories in Holland.
Environmental Impact Assessment for the Front-End Engineering and Design (FEED) stage of a grassroots Oil Refinery, Karbala - Iraq	Technip SpA, Italy	Oct-09	Sep-10	This EIA study is being undertaken during the FEED stage of the proposed Karbala refinery project aiming at identifying the key environmental issues at the conceptual design phase by means of a "first emissions" assessment (i.e. atmospheric, inland, etc.), a "alternative designs and process" investigation and an independent environmental and social impact assessment. The objective is to provide environmental information to the engineering team at a very early stage of the basic engineering process for a successful integration of the Best Available Technologies (BAT) and control measures to ensure the Project's environmental performance. The results of the EIA study are intended to be subsequently used during the Detailed Engineering, Procurement and Construction (EPC) stage of the project. The EIA study involves the following: ➢ Identification of all applicable national Iraqi and international regulatory environmental requirements for the Project and all relevant public and private institutional Stakeholders for the development a Stakeholder Engagement Plan (consultation plan); ➢ Provision of a detailed description of the Project components, construction plan and processes of the planned land-based infrastructure, schedules and management, and refinery operation. ➢ Assessment of the existing environmental baseline conditions in the project area through performing the following: 1. Noise Monitoring campaign 2. Air Quality Monitoring for Gases and Chemicals of Potential Concern (COPC) associated with the oil refining sector 3. Subsurface soil, surface water and groundwater Sampling; 4. Ecological survey (covering the relevant terrestrial and aquatic receptors);

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				5. Socio-Economic Survey (covering the project affected population and communities and cultural sensitivities); 6. Public Consultation and Stakeholder Engagement Meetings; and 7. GIS Mapping. ➢ Air Quality Technical Study (Emissions Inventory and Dispersion and Deposition Modelling and Impact Assessment); and ➢ Sound Quality Technical Study (Noise Modeling and Impact Assessment). Surveys and sampling campaigns are carried out in line with International Guidelines and Standards such as those set by the World Bank's IFC Equator Principles and Performance Standards. ➢ Identify the nature and extent of any potentially significant environmental and social impacts be they positive (beneficial) or negative (adverse), temporary or long term, including routine, non-routine (planned) operations and unplanned (accidental) events through Air Dispersion Modeling and Noise Impact assessment, Water and Wastewater Management and Waste Management among other. ➢ Performance of a Best Available Technologies (BAT) Analysis to identify alternatives considered for potential control technologies and techniques ➢ Development of a tailored, practical and cost-effective Environmental and Social Management Plan (ESMP) that assures the Project's compliance with national regulations, Contract Terms and HSE requirements and international guidelines and Codes of Best Practices. The ESMP shall include a list of mitigation measures, monitoring activities, procedures and protocols to be adopted by the Technip and Sub-Contractors during the Construction and Operation phase to minimize the risk of contaminating the local and global environment. ➢ The FEED stage should be properly guided and informed by the EIA process to ensure the negative environmental impacts from the project are minimized and positive impacts are maximized, to the extent possible.
HSEIA Review and HAZOP & SIL Studies for B1 and B2 Plants	Abu Dhabi Polymers Co. Ltd. (Borouge)	May-16	May-17	• Phase 3 HSEIA Review and Reports for B1 and B2 plants including HAZID/ENVID/OHID/ Workshops, Bowtie workshops, MOPO workshop, QRA Review, HSEMS Review, Hazard & Effect Register, EIA Report, OH

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				Report, COMAH Report, Emergency Response Plan Review. • HAZOP Review and revalidation workshops for B1 and B2 plants. • SIL Review and revalidation for B1 plants.
Environmental Training and Competency Development Programs for ENOC	Emirates National Oil Company Limited (ENOC) LLC	Sep-16	Jan-17	• Preparation of workshop material, presentations and exercises • Delivery of training workshops at ENOC • Preparation of workshops' evaluation reports and completion certificates The training topics covered were: • Environmental Site Remediation & Reclamation • Basic Environmental Social Impact Assessment (ESIA) • Waste Management & Environmental Protection • Environmental Benchmarking and Performance Indicators • Environmental Baseline Study and Environmental Sampling Techniques • Fundamentals of Air Dispersion Modeling
GASCO Black Powder Management – New Separation and Filtration Project	Al Hassan Engineering Co. Abu Dhabi LLC	Dec-14	Nov-16	• Phase 1& 2 HSEIA Report including HAZID/ENVID/OHID/ HAZOP Workshops, SIMOPS workshop, Construction Review, Fire & Gas detection studies, HSEMS Review, Hazard & Effect Register, EIA De-minimis Report, OH Deminimus Report, COMAH Report, Emergency Response Plan. • Phase 4 Deminimus report.
Masterplan and Infrastructure Facilities of New Ruwais City – Phase 1 HSEIA Study	Abu Dhabi National Oil Company (ADNOC)	Mar-14	Nov-14	Review of proposed site layout and master plan in relation to the adjacent facilities (industrial and civil). HSE risks generated by the new housing project and affecting adjacent sites were identified and analyzed. Recommendations given in the HSEIA to control such risks in the project design.
Phase 2&3 Health, Safety and Environmental Impact Assessment (HSEIA) Study	Abu Dhabi Oil Refining (Takreer)	Oct-12	Apr-21	The Preparation of Phase 2 HSEIA study for the EPC phase is divided into 2 stages; • Stage one (1) categorized by the Phase 2 Early Works/Construction and which includes: - Baseline studies comprising of air and noise quality, soil and groundwater, and overall environmental Baseline Study. - HAZID/ENVID/OHID workshops - H&E Registers - Phase 2 Early Works/Construction HSEIA study • Stage two (2) categorized by the Phase 2 Detailed Design includes;

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				- HAZID/ENVID/OHID workshops - H&E Registers - HSE Studies (3D fire and gas mapping, dropped object study, EERA, ESSA, dust explosion analysis, air quality modeling, noise modeling, dredging plume dispersion modeling) - Phase 2 HSEIA Study • Preparation of Phase 3 HSEIA for the operations phase of the project. • Review, verification, and endorsement of EPC contractor HSE plans, studies and procedures.
Environmental Impact Assessment & Risk Assessment for Oil Storage Terminal	Al Arabia Petroleum Processes FZCO	Feb-09	Apr-09	• Legal and institutional frameworks • Comprehensive environmental baseline survey • Impact scoping and assessment • Development of an environmental management plan Risk Assessment
Environmental Impact Assessment & Risk Assessment for Oil Storage Terminal Hamriyah Free Zone, Sharjah, UAE	Al Arabia Petroleum	Feb-09	Apr-09	• Legal and institutional frameworks • Comprehensive environmental baseline survey • Impact scoping and assessment • Development of an environmental management plan Risk Assessment
Health, Safety and Environmental Impact Assessment of the Inter-Refineries Pipeline Project – UAE	Abu Dhabi Oil Refining (Takreer)	Dec-05	Apr-06	• Review of legal and institutional frameworks • Review of Environmental Baseline data • Impact scoping and assessment • Analysis of alternatives • Development of an environmental management plan
Provision of Support related to Green House Gas Management	Qatar Gas	2012	2012	• Develop technical papers related to Qatargas Green House (GHG) Management Program: - GHG management strategy - Flare management and reduction strategy - JBOG project - Carbon capture and delivery • Evaluate Qatargas GHG emissions/intensity with standards and

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				other peer companies in the region. • Preparation of materials to be used at Conference of the Parties and for dissemination purposes
Environmental Risk Assessment for ORYX Gas to Liquid Plant – Ras Laffan – Qatar	MES / Oryx GTL	Aug-11	Jan-12	• Updating the environmental risk assessment procedure • Training to Oryx staff on environmental risk assessment • Updating of the environmental risk assessment registers for all units of Oryx GTL (3-week workshops at Oryx facilities) • Updating environmental objectives and targets for Oryx • Quantitative environmental risk assessment • Call-off environmental support
SEA of Hydrocarbon E&P Activities in Offshore Montenegro	Ministry of Economy (Montenegro)	Mar-14	Jun-15	Preparation and deliver of an inception workshop – Support to local team in data collection and development of an SEA framework of objectives, indicators and targets – Preparation of a scoping report – Analysis of alternatives – Impact assessment – Support in organization and delivery of public consultation sessions and public debate – Support in preparation of the SEA report
Environmental Impact Analysis for the Ofon Phase 2 Offshore Project	Apave / Total	Mar-13	Dec-13	• Conduct Environmental Risk Assessment for the offshore and onshore activities to be conducted by Subsea 7 for OFON 2 • Prepare Environmental Risk Registers (ERRs) covering all offshore and onshore activities • Organize and facilitate ERA workshops with TOTAL, Subsea7 and sub-contractors to review and finalize risk assessments • Prepare risk assessment reports including finalized ERA registers
Flare Radiation Monitoring in Offshore Facilities in Azerbaijan	BP	Feb-12	Jun-12	Flare Radiation Monitoring, Evaluation, and interpretation of the Heat Flux Levels at different monitoring locations within the workings areas boundaries to provide a representative description of the existing conditions in relation to Heat Flux at the platform, and its effect on Human Health Monitoring.at three (3) offshore platforms; East Azeri, Central Azeri, and West Azeri platforms. Heat radiation was monitored at the three (3) offshore platforms.

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Environmental Baseline Study – Block 4 & 9 Offshore Lebanon	TOTAL E&P LIBAN SAL	Feb-19	Mar-19	• Provide a general overview of the planned Project activities; • Identify secondary sources for baseline information and data gaps that may need to be filled by studies or surveys to underpin the assessment; • Outline the main methodologies to be adopted and baseline assessment methods to be used for primary data collection; • Identify major baseline sensitivities, and the zone of influence of the Project; and • Develop and set the baseline survey plans for the surveys, and present detailed baseline survey methodologies based on site specific conditions.
Update of the Strategic Environmental Assessment for the E& P Activities offshore Lebanon	Lebanese Petroleum Administration (LPA) / funded by the European Union	Feb-18	May-19	• Analysis of legal and policy frameworks • Baseline review on air quality, GHGs, marine biodiversity, coastal zone, socio-economics • Development of an SEA framework of objectives, indicators and targets • Assessment of GHG emissions from the sector based on various scenarios and evaluation of implication on GHG emissions reduction commitments of Lebanon towards Paris Agreement • Assessment of impacts on marine biodiversity and coastal zones • Assessment of impacts on society and economic sectors • Development of mitigation and monitoring frameworks • Stakeholder engagement and disclosure of SEA for public consultation
Protection and Sustainable Development of Maritime Resources in Lebanon - Pro Mare	European Commission	Oct-16	Oct-19	• Office set-up and management • Local coordination • Technical and managerial backstopping • Provision of Senior and Junior National Experts • Implementation of short-term missions • Overall support to Team Leader and Policy Expert • Local liaison with Beneficiary (LPA) and EUD
Preparation of a Cost Benefit Analysis for the use of Natural Gas and Low	United Nations Development Programme	Jul-15	Apr-16	The main purpose of the study was to assess the feasibility of shifting these sectors to gas use as opposed to the current heavy reliance on liquid fuels. The assessment includes an analysis of demand,

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Carbon Fuels in the Energy Sector in Lebanon	(UNDP)			infrastructure requirement, and development of a CBA model, including sensitivity analysis on gas pricing and availability of gas, to evaluate different scenarios and identify to conditions upon which such gasification of the target economic sectors would be feasible. A policy analysis was also conducted in addition to the development of a case study for further implementation. • Collection of national data, coordination with stakeholders and assessment of existing demand • Assessment of existing infrastructure • Support in development of CBA analysis • Support in policy analysis • Organization of national consultation workshop
Health, Safety and Environmental (HSE) Gap Analysis and Action Plan for Lebanon's Oil and Gas Offshore E&P Activities	United Nations Development Programme (UNDP)	Dec-14	May-15	The following main tasks were conducted: • Review and analysis of relevant HSE legislation • Stakeholder mapping and interviews • Benchmarking with international HSE governance systems • Organization of a national consultation workshop • Preparation of an HSE gap analysis and action plan

Environmental Impact Assessment (EIA) for Jieh and Zouk Power ships Project	Karadeniz Energy Group	Aug-12	Nov-12	• Modeling of ambient concentration of air pollutants likely to be emitted from the proposed power ships
				  • Baseline noise monitoring and prediction of noise levels from the proposed power ships
				  • Marine sediment samples collection and documentation of the ecological status of the benthic area at the project site
				  • Assessment of the impacts of the proposed power ships on the environment
				  • Development of an environmental management plan
				• Analysis of Alternatives for mooring, dredging, wave break protection options, cooling water discharge and stack height options.

Environmental Consultancy Services for Al Ghanim International project of Excavation and Transportation of Heavily Oil Contaminated Soil to Landfill in South-East Kuwait	Al Ghanim International General Trading & Contracting Company W.L.L.	Jan-16	Jul-16	The work to be performed under this SERVICE CONTRACT includes but not limited to the following Environmental Consultancy services: 1. Performance of an initial assessment of the available information and data, including: • Review of the relevant Technical Specifications of the Contract Documents • Review of the existing previous investigation reports, including

Project Name	Client	Start Date	End Date	Brief Scope Description
Area and North Kuwait Area				soil sampling results and previously estimated volumes and extent of types of contaminated waste to be excavated and perform a data gap analysis on these estimated volumes in order to develop sampling plans that will assist in refining and or confirming these estimates. 2. Assistance in preparation of TechnicalReport Submittals to PMC, Such as: • Soil Sampling plans • Soil sampling work Methodologies Soil Characterization Reports with estimation of Volumes and extents of Wastes to be excavated Ground Truthing work plans and reports • Soil Mixing Plan and work Methodologies • Soil Excavation Plan and Work Methodology • Post Excavation Soil Sampling Plan • Post Excavation Sampling Reports 3. Provide technical assistance in specific complex field activities such as for the preparation and implementation of Soil Mixing Plans, if needed. 4. Assist in the planning and the organization of the sequence of activities and in building a proper technical environmental team for the execution of the Two projects. 5.Assist Alghanim in building its technical capacity related to environmental matters For the proper execution of its two projects.
Environmental and Social Impact Assessment (ESIA) for Iraq Export Pipeline Infrastructure	Oil Projects Company (SCOP)	Aug-13	Apr-15	The EIA study included the following: • Identification of all applicable national Iraqi and international regulatory environmental requirements for the Project and all relevant public and private institutional Stakeholders for the development a Stakeholder Engagement Plan (consultation plan); • Provision of a detailed description of the Project components, construction plan and processes of the planned land-based infrastructure, schedules and management, and Project operation. • Assessment of the existing environmental baseline conditions in the project area through performing the following: - Noise Monitoring campaign

Project Name	Client	Start Date	End Date	Brief Scope Description
				- Air Quality Monitoring campaign - Soil, surface water and groundwater Sampling; - Ecological survey (covering the relevant terrestrial and aquatic receptors); - Socio-Economic Survey (covering the project affected population and communities and cultural sensitivities); - Public Consultation and Stakeholder Engagement Meetings; and - GIS Mapping. • Modelling studies (air quality and noise) • ESIA and ESMP reports • Preparation of a 3D Model for the pump stations.
Water Quality Survey – High Priority Surveys for the Iraq Common Seawater Supply Project	Petrol invest/ South Oil Company	Jun-14	Dec-15	ELARD mobilized a team of 17 project staff in Basra to implement the following scope: • Execution of an intensive surface water sampling program, every two hours for five days, twice per day over 30 days and once per week over one year, for a total of over 1500 samples. • Analytical laboratory testing of collected water samples, for a suite of 37 analytes, out of which 15 parameters were analyzed in the newly established ELARD Environmental Laboratory. • Performance of specialized testing for coagulant demand, chlorine demand/decay and settle ability. • Collection and testing of bed sediment samples.