

## Reference 866

<b>Title: Assessment of the off-grid sector, including households, productive uses and public facilities</b>		<b>Country: Niger</b>
<b>Location: Nationwide</b>		<b>Specialized staff: 1 Team Leader, 1 Institutional Expert, 1 Economist, 2 Technical Energy Experts, 1 Productive Uses Specialist, 1 Domestic Uses Specialist, 1 Institutional Environment Specialist, 1 Gender Specialist</b>
<b>Name of Client: World Bank</b>		<b>No. of employees involved: 2</b>
<b>Financing: World Bank (WB)</b>		<b>No. of staff-months worked: 15.6</b>
<b>Address:</b>		<b>Total project value: 155.000 EUR</b>
<b>Start Date - End Date:</b> <b>11/2021 - 05/2022</b>	<b>Duration of assignment (months): 6</b>	<b>Approximate value of services: 31 700 €</b>
<b>Name of associated consultants, if any: ITPENERGISED, MARGE, Partners For Innovation Niger</b>		<b>No. of staff-months provided by associated consultants: 7.2</b>
<b>Name and positions of persons involved:</b> <b>Client: Leon Biauou (abiaou1@worldbank.org)</b> <b>Consultant: Solène le Pape (SLP) (le_pape@hydroconseil.com)</b>		
<b>Project description:</b> To address the country's low electricity coverage, the Government of Niger (GoN) has adopted a National Electrification Strategy (NES) and a National Electrification Plan (NEP) in order to achieve universal coverage and an access rate of 80% by 2035, notably through off-grid solar electrification. To this end, the World Bank is financing an assessment of the off-grid electrification market in 3 segments: households, productive uses and public institutions. The ultimate aim is to inform the design and implementation of Niger's new accelerating access to electricity project, <i>Projet d'accélération de l'accès à l'électricité au Niger (Projet Haské)</i> .		
<b>Description of services actually provided:</b> The specific tasks of this service are: <ul style="list-style-type: none"> <li>• Preparing and scoping the off-grid electrification market assessment (defining the methodology and scoping the study);</li> <li>• Collecting and analysing data on the off-grid electrification sub-sector institutional environment (stakeholder mapping, regulatory framework analysis, etc.);</li> <li>• Collecting and analysing data on the off-grid electrification of households, productive uses, and public facilities (analysing supply and demand markets and their barriers, formulating an action plan).</li> <li>• Conducting a data collection campaign in the regions of Maradi, Tahoua and Tillabéry through 36 focus groups with households and productive uses and 6 focus groups with refugee populations, visiting 18 public facilities, and conducting 27 interviews with local solar electrification market stakeholders;</li> <li>• Producing the final report and presenting the assessment findings.</li> </ul>		

## Reference 865

<b>Title: Evaluation and promotion of productive uses of electricity</b>		<b>Country: Dem. Rep. Congo</b>
<b>Location: Kinshasa, Matadi, Tshikapa, Kananga, Mbuji-Mayi, Goma, Bandundu</b>		<b>Specialized staff: 3 Electrical Engineers, 1 Institutional Expert, 1 Economist, 2 Socio-Economist, 1 Agriculture Specialist</b>
<b>Name of Client: World Bank</b>		<b>No. of employees involved: 1</b>
<b>Financing: World Bank (WB)</b>		<b>No. of staff-months worked: 13.7</b>
<b>Address:</b>		<b>Total project value: 109.000 EUR</b>
<b>Start Date - End Date:</b> <b>10/2021 - 06/2022</b>	<b>Duration of assignment (months): 8</b>	<b>Approximate value of services: 71 126 €</b>
<b>Name of associated consultants, if any: Experts, Reiner Lemoine Institut</b>		<b>No. of staff-months provided by associated consultants: 12.4</b>
<b>Name and positions of persons involved:</b> <b>Client: Juliette Besnard (jbesnard@worldbank.org)</b> <b>Consultant: Emmanuelle Guillou (EGU) (guillou@hydroconseil.com)</b>		
<b>Project description:</b> The aim of this study is to inform the design and implementation of the World Bank's Electricity and Water Access and Governance Project in the DRC. In order to guide the project design, the World Bank has recruited a Consultant to conduct an in-depth market study of productive uses of electricity with high development potential, and to develop a roadmap to guide future government, civil society and private sector interventions to promote the development of these productive uses of electricity.		
<b>Description of services actually provided:</b> The specific objectives of the study include : <ul style="list-style-type: none"> <li>Assessing the current and potential demand for productive use of electricity (PUE) applications, understanding the supply chain for productive use devices, and identifying high potential value chains and productive use applications;</li> <li>Analysing the main barriers to scaling up in the target areas, understanding private operators' current business models in the DRC, and conducting stakeholder mapping to determine the current capabilities, priorities, activities and future plans of the sector stakeholders;</li> <li>Providing recommendations on how market barriers can be overcome, identifying intervention options for promoting productive uses of electricity and stimulating productive demand, and exploring 2-3 investment opportunities and pilot projects in which key sector stakeholders could be involved.</li> <li>Conducting an extensive literature review, holding semi-structured interviews with key sector stakeholders, electricity service operators and productive use equipment suppliers, and facilitating 84 focus groups with 840 respondents (demand side) in 7 cities in the DRC.</li> </ul>		

**Reference 862**

<b>Title: Technical assistance for analysing and revising the Request for Proposals to install a desalination plant and solar power plant</b>		<b>Country: Cape Verde</b>
<b>Location: Brava Island</b>		<b>Specialized staff: 3 Electrical Engineers, 1 Hydro-Mechanic, 1 Hydraulic Engineer, 1 Economist</b>
<b>Name of Client: Lux-Development S.A. (LuxDev)</b>		<b>No. of employees involved: 6</b>
<b>Financing: Luxembourg Development Cooperation Agency (LuxDev)</b>		<b>No. of staff-months worked: 1.7</b>
<b>Address: B.P. 2273 L-1022 Luxembourg</b>		<b>Total project value: 33.800 EUR</b>
<b>Start Date - End Date:</b> <b>10/2021 - 12/2021</b>	<b>Duration of assignment (months): 2</b>	<b>Approximate value of services: 33 800 €</b>
<b>Name of associated consultants, if any: Aiguasol</b>		<b>No. of staff-months provided by associated consultants: 1.5</b>
<b>Name and positions of persons involved:</b> <b>Client: Mauro Lupo (mauro.lupo@luxdev.lu)</b> <b>Consultant: Emmanuelle Guillou (EGU) (guillou@hydroconseil.com)</b>		
<b>Project description:</b> <p>The project, which is being led by the Government of Cape Verde and AGUABRAVA with the support of the Luxembourg development agency, consists of installing a desalination plant without reverse osmosis batteries and powered by photovoltaic panels with an estimated capacity of 308m<sup>3</sup>/day, operating on solar energy 7 hours a day.</p> <p>The work also includes: constructing 2 boreholes for pumping sea water; installing 2 new tanks and rehabilitating 2 existing tanks; constructing 3 solar generator-powered pumping stations; and laying pipelines.</p> <p>Initial technical studies were carried out from which CAD documentation was developed. Before launching the tender process for the construction companies, the contracting authority and LuxDev recruited a consultant to review the documentation.</p>		
<b>Description of services actually provided:</b> <ul style="list-style-type: none"> <li>• Analysing and revising all of the construction work Request for Proposals documentation, including a technical review of the photovoltaic, desalination and hydraulic components, as well as a review of the environmental and economic aspects;</li> <li>• Supporting the contracting authority with drafting the new Request for Proposals.</li> </ul>		

**Reference 844**

<b>Title: Household and private sector survey on the ability and willingness to pay of potential mini-grid customers</b>		<b>Country: Haiti</b>
<b>Location: 41 locations - nationwide</b>		<b>Specialized staff: 1 Project Manager, 1 Electricity Expert, 1 Economist/ Statistician, 1 Survey Coordinator, 1 National Assistant to the Project Manager, 1 CAPI Programmer, 1 Data Management and Output Officer, 4 Supervisors, 20 Enumerators</b>
<b>Name of Client: Ministère des travaux publics, transports et communications (Haïti)</b>		<b>No. of employees involved: 7</b>
<b>Financing: World Bank (WB)</b>		<b>No. of staff-months worked: 42</b>
<b>Address:</b>		<b>Total project value: 289.750 EUR</b>
<b>Start Date - End Date:</b> <b>05/2021 - 04/2022</b>	<b>Duration of assignment (months): 11</b>	<b>Approximate value of services: 104 121 €</b>
<b>Name of associated consultants, if any: CGS (Centrale de Gestion et de Services)</b>		<b>No. of staff-months provided by associated consultants: 4</b>
<b>Name and positions of persons involved:</b> <b>Client: Baudelaire Désiré (baudelaired30@gmail.com)</b> <b>Consultant: Aline Le Failler (ALE) (le_failler@hydroconseil.com)</b>		
<b>Project description:</b> By expanding the use of mini-grids, the project aims to create a sustainable market for the private sector in order to reduce the country's dependence on imported fossil fuels, such as diesel and paraffin, as well as to create jobs, improve productivity, and reduce poverty and gender inequality. This should lead to improved access to electricity, especially in rural areas.		
<b>Description of services actually provided:</b> The specific objectives of this survey are to collect accurate and representative data on: the socio-demographic characteristics of households and businesses; their use of electrical energy or the alternatives used if they lack access to electricity; their opinions on the quality of the services received; energy expenditure in relation to their income levels; and the willingness and ability of households to pay for good quality electricity. <ul style="list-style-type: none"> <li>• Collecting data on access to energy and mini-grids;</li> <li>• Developing survey questionnaires;</li> <li>• Developing the enumeration plan and sampling plan;</li> <li>• Recruiting and training enumerators;</li> <li>• Deploying the enumeration plan (Sphinx software) to 5,348 households and 1,025 businesses;</li> <li>• Administering the survey (Sphinx software) to 600 households and 384 businesses;</li> <li>• Analysing the geo-referenced results (STATA and QGIS software);</li> <li>• Submitting the survey reports.</li> </ul>		

**Reference 824**

<b>Title: Support with planning, preparing and implementing environment and energy sector investment projects in Bulgaria, Romania, Croatia and Poland</b>		<b>Country: Bulgaria, Croatia, Poland, Romania</b>
<b>Location: Multiple countries</b>		<b>Specialized staff: Water and Sanitation Experts, Economists and Financial Experts, Environmentalists, Solid Waste Experts, Flood Risk Experts, Soil Pollution Experts, Energy Efficiency Experts, Renewable Energy Experts</b>
<b>Name of Client: European Investment Bank (EIB)</b>		<b>No. of employees involved:</b>
<b>Financing: European Investment Bank (EIB)</b>		<b>No. of staff-months worked:</b>
<b>Address: 98-100 boulevard Konrad Adenauer, L2950 Luxembourg</b>		<b>Total project value: 8.000.000 EUR</b>
<b>Start Date - End Date: 07/2020 - 07/2024</b>	<b>Duration of assignment (months): 48</b>	<b>Approximate value of services:</b>
<b>Name of associated consultants, if any: NTU, Applus Norcontrol (Spain), Eqo-Nixus Advisory (Spain)</b>		<b>No. of staff-months provided by associated consultants:</b>
<b>Name and positions of persons involved:</b>		
<b>Client:</b>		
<b>Consultant: Guillermo Vericat (GVA) (vericat@hydroconseil.com)</b>		
<b>Project description:</b>		
<p>This project forms part of a 4-year framework contract to support the EIB Project Advisory Support (PAS) team, a dedicated unit providing advisory services to EU Member State authorities and project promoters to support the implementation of EU-funded investment projects in the environment and energy sectors. The countries in which PAS has been working to date are Romania and Bulgaria, but the initiative could also be expanded to other EU cohesion countries such as Poland and Croatia.</p>		
<b>Description of services actually provided:</b>		
<p>Supporting the planning, preparation and implementation of investment projects in the following sub-sectors: water and sanitation, flood risk management, solid waste, urban development, circular economy, agro-industry, climate change, analysis of horizontal environmental issues.</p> <ul style="list-style-type: none"> <li>• Supporting planning activities: preparing and revising master plans, pre-feasibility studies, national and regional management plans;</li> <li>• Supporting project preparation: preparing and reviewing technical feasibility, including demand and options analyses, cost-benefit analyses, environmental impact assessments, and applications for EU funding;</li> <li>• Supporting project implementation, focusing specifically on procurement, contract management, cost engineering, claims management, etc.;</li> <li>• Providing capacity-building, institutional strengthening, knowledge creation and dissemination;</li> <li>• Providing advice on regulatory issues: environmental impact and strategic environmental assessments, climate risk and vulnerability assessments, etc.;</li> <li>• Conducting technical and financial evaluations of projects.</li> </ul>		

**Reference 823**

<b>Title: Evaluation of the Access to Energy and Development Project (EDAP) in Mozambique</b>		<b>Country: Mozambique</b>
<b>Location: Nationwide</b>		<b>Specialized staff: 1 Evaluator, 1 Electrification Specialist, 1 National Evaluator</b>
<b>Name of Client: French Agency for Development (AFD)</b>		<b>No. of employees involved: 1</b>
<b>Financing: French Development Agency (AFD)</b>		<b>No. of staff-months worked: 2.7</b>
<b>Address: AFD - 5, rue Roland Barthes - 75598 Paris CEDEX 12 - France</b>		<b>Total project value: 40.000 EUR</b>
<b>Start Date - End Date:</b> <b>10/2020 - 04/2021</b>	<b>Duration of assignment (months): 6</b>	<b>Approximate value of services: 18 600 €</b>
<b>Name of associated consultants, if any: Gesto Energy Consulting</b>		<b>No. of staff-months provided by associated consultants: 1.65</b>
<b>Name and positions of persons involved:</b> <b>Client: Simon NYAM (nyams@afd.fr)</b> <b>Consultant: Jacques-Edouard Tiberghien (JET) (tiberghien@hydroconseil.com)</b>		
<b>Project description:</b> The EDAP (Energy and Development Access Project) was implemented in response to the difficulties being experienced by EDM (Electricidade de Moçambique) to expand electricity coverage. The aim of the project was to support the state electricity company with expanding its distribution network in Maputo (in the Matola district) and Cabo Delgado province (connecting nearly 47,000 new users to the grid) and building EDM's capacity.		
<b>Description of services actually provided:</b> This ex-post evaluation of the EDAP project aims to contribute to: i) the organisational and operational knowledge of AFD's operational team, both at headquarters and in the Maputo office, on the implementation, execution, operation and maintenance of such projects; ii) improving similar future operations in Mozambique and potentially elsewhere; iii) dialogue with EDM on the results of the EDAP project and on lessons learnt for use in similar future operations. The scope of this evaluation is the EDAP component financed by AFD. It includes the civil works contract, technical assistance activities, training activities and social and environmental risk management. <ul style="list-style-type: none"> <li>• Conducting the evaluation using a standard three-step approach (evaluation launch, data collection and analysis, integration and presentation of results) and an analytical framework structured around the following evaluation criteria: relevance, effectiveness, efficiency, sustainability and added value of AFD's intervention;</li> <li>• Gathering information using a range of tools and techniques: document review; key informant interviews; focus group discussions; online survey; facilitated debate and discussion at the debriefing meeting; and direct observation;</li> <li>• Analysing the data using the Dedoose qualitative data analysis tool;</li> <li>• Using audio-video streaming, filmed by a local expert, to enable the rest of the team to actively participate in most of the key activities carried out in situ (situation imposed by COVID-19 travel restrictions);</li> <li>• Using Klaxoon software to facilitate team meetings and present the preliminary results.</li> </ul>		

## Reference 819

<b>Title: Assistance with implementing the Technical Cooperation Programme to support the Mexican Federal Electricity Commission's Renewable Energy and Energy Efficiency Programme</b>		<b>Country: Mexico</b>
<b>Location: Mexico</b>		<b>Specialized staff: 1 General Coordinator, 1 Financial Expert, 1 Procurement Expert</b>
<b>Name of Client: French Agency for Development (AFD)</b>		<b>No. of employees involved: 2</b>
<b>Financing: French Development Agency (AFD)</b>		<b>No. of staff-months worked: 3.1</b>
<b>Address: AFD - 5, rue Roland Barthes - 75598 Paris CEDEX 12 - France</b>		<b>Total project value: 102.000 EUR</b>
<b>Start Date - End Date:</b> <b>10/2020 - 12/2022</b>	<b>Duration of assignment (months): 26</b>	<b>Approximate value of services: 42,200 Euro</b>
<b>Name of associated consultants, if any:</b>		<b>No. of staff-months provided by associated consultants: 6</b>
<b>Name and positions of persons involved:</b> <b>Client: Cyril Renault (renaultc@afd.fr)</b> <b>Consultant: Emma Cheurfa (EMC) (cheurfa@hydroconseil.com)</b>		
<b>Project description:</b> As Mexico City has a mandate to support energy transition, the Comisión Federal de Electricidad (CFE) asked AFD to support renewable energy production and network efficiency improvement projects. A \$150 million loan was awarded to the CFE in July 2019, and AFD also allocated €1.5 million to the CFE to implement an 11-component technical cooperation programme on promoting innovative financing models and associations to support the development of renewable energies and streamline its co-benefits within the CFE and its clients.		
<b>Description of services actually provided:</b> The overall aim is to ensure transparent management of the resources allocated to the technical cooperation programme under the "CFE III" loan agreement signed between AFD and the CFE in July 2019. This technical assistance focuses on two main areas: i) management programme components' resources and contractual processes; and ii) monitoring and communication with AFD, CFE and the other technical cooperation programme stakeholders. <ul style="list-style-type: none"> <li>• Creating a work plan for technical cooperation programme implementation;</li> <li>• Implementing the contractual processes required to manage the resources allocated to technical cooperation on behalf of AFD;</li> <li>• Maintaining adequate documentation, administration and fund management records;</li> <li>• Recruiting technical and financial auditors on an annual basis;</li> <li>• Organizing and coordinating the technical committee and steering committee;</li> <li>• Preparing and presenting the final report.</li> </ul>		

**Reference 786**

<b>Title: Independent verification to accelerate access to water through solar pumping</b>		<b>Country: Tanzania</b>
<b>Location: Nationwide</b>		<b>Specialized staff: 1 Team Leader, 2 Water Engineers, 1 Database Manager, 1 Community Development Expert, 1 National Coordinator</b>
<b>Name of Client: World Bank</b>		<b>No. of employees involved: 3</b>
<b>Financing: World Bank (WB)</b>		<b>No. of staff-months worked: 31</b>
<b>Address:</b>		<b>Total project value: 176.809 EUR</b>
<b>Start Date - End Date:</b> <b>01/2020 - 01/2022</b>	<b>Duration of assignment (months): 24</b>	<b>Approximate value of services: 86,365 Euro</b>
<b>Name of associated consultants, if any: Serviceplan</b>		<b>No. of staff-months provided by associated consultants: 26</b>
<b>Name and positions of persons involved:</b> <b>Client: Kristoffer Welsein (kwelsien@worldbank.org)</b> <b>Consultant: Emmanuelle Guillou (EGU) (guillou@hydroconseil.com)</b>		
<b>Project description:</b> Implementation of a project to improve sustainable access to drinking water in 165 rural communities in Tanzania by replacing thermal pumping equipment with photovoltaic systems to ultimately reduce the carbon footprint. These pump replacements are being financed through Output-Based Aid (OBA) from the World Bank, with funding being disbursed once the equipment has been installed and the management committees are able to sustainably manage the pumps.		
<b>Description of services actually provided:</b> Acting as an Independent Verification Agent (IVA) and carrying out the following three tasks in the 165 project villages: (i) baseline verification; (ii) verification at the commissioning stage; and (iii) post-construction monitoring: <ul style="list-style-type: none"> <li>• Conducting a technical audit of the infrastructure;</li> <li>• Administering household surveys (about 1,300 households) and satisfaction surveys and holding focus group discussions with water committees (COWSOs);</li> <li>• Carrying out water quality testing;</li> <li>• Assessing key stakeholders' water point management capacities, and providing capacity-building where necessary;</li> <li>• Producing monthly reports and results verification reports (checking compliance and calculating the OBA to be disbursed).</li> </ul>		



**Reference 758**

<b>Title: Longitudinal evaluation of the Improved Solar Irrigation Solution (SISAM) project</b>		<b>Country: Benin, Burkina Faso, Togo</b>
<b>Location: Burkina-Faso (central-eastern region), Benin (Atacora region) and Togo (Savannah region)</b>		<b>Specialized staff: 1 Evaluator, 1 Junior Socio-Economist, 1 Irrigation and Market Gardening Specialist</b>
<b>Name of Client: Electriciens sans Frontières</b>		<b>No. of employees involved: 2</b>
<b>Financing: French Development Agency (AFD)</b>		<b>No. of staff-months worked: 2.6</b>
<b>Address: 5 rue Jean Nicot 93691 Pantin Cedex France</b>		<b>Total project value: 28.122 EUR</b>
<b>Start Date - End Date:</b> <b>04/2019 - 11/2021</b>	<b>Duration of assignment (months): 31</b>	<b>Approximate value of services: 28,122 Euro</b>
<b>Name of associated consultants, if any:</b>		<b>No. of staff-months provided by associated consultants:</b>
<b>Name and positions of persons involved:</b>		
<b>Client: Tiphaine Massé (tiphaine.masse@electriciens-sans-frontieres.org)</b>		
<b>Consultant: Marie Morel (MMO) (morel@hydroconseil.com)</b>		
<b>Project description:</b>		
The Improved Solar Irrigation Solution (SISAM) project implemented by Electriciens sans Frontières aims to "contribute to poverty reduction and food security in rural areas by promoting the emergence of sustainable and accessible irrigation methods for small vegetable farms".		
<b>Description of services actually provided:</b>		
Providing ad-hoc support for the 4 phases of the project from April 2019 to October 2021:		
<ul style="list-style-type: none"> <li>• Analysing the achievement of the sustainability and replicability objectives of the socio-economic model (more particularly the factors of success / obstacles affecting sustainability of the action over time (including post-project), as well as the potential for replicating the approach in other intervention areas or with other operators not targeted by this first phase of the project);</li> <li>• Conducting a desk review of research actions, studies and technical and financial analyses carried out by the programme;</li> <li>• Defining the main issues to be reviewed;</li> <li>• Developing tools to gather as much information as possible from local operators deploying and maintaining the solution, as well as from market gardeners and any other relevant stakeholders;</li> <li>• Formulating operational recommendations for integrating the project into a broader programme: conducting a critical and comparative review of the current project in order to identify practices / implementation methods that can be replicated / preserved in a broader programme.</li> </ul>		

## Reference 743

<b>Title: Supporting the French Agency for Development to formulate a support programme for the energy sector</b>		<b>Country: Lebanon</b>
<b>Location: whole country</b>		<b>Specialized staff: 1 Energy Expert</b>
<b>Name of Client: French Agency for Development (AFD)</b>		<b>No. of employees involved: 1</b>
<b>Financing: French Development Agency (AFD)</b>		<b>No. of staff-months worked: 1.4</b>
<b>Address: AFD - 5, rue Roland Barthes - 75598 Paris CEDEX 12 - France</b>		<b>Total project value: 12.350 EUR</b>
<b>Start Date - End Date:</b> <b>11/2018 - 02/2019</b>	<b>Duration of assignment (months): 3</b>	<b>Approximate value of services: 12,350 Euro</b>
<b>Name of associated consultants, if any:</b>		<b>No. of staff-months provided by associated consultants:</b>
<b>Name and positions of persons involved:</b> <b>Client: Sonia Lioret (liorets@afd.fr)</b> <b>Consultant: Charlotte Kalinowski (CKA) (kalinowski@hydroconseil.com)</b>		
<b>Project description:</b> The European Union intends to delegate a €12.7 million grant to AFD to support the implementation of water, sanitation and energy sector policy reforms and projects in Lebanon proposed as part of the Capital Investment Programme (CIP) presented by the Lebanese Government at the CEDRE Conference in April 2018.		
<b>Description of services actually provided:</b> At the national level, the assignment team discussed and designed a programme to support energy sector development. This programme has an indicative budget of €6.35 million over an implementation period of 4 years. The assignment was divided into 3 mandates: <ul style="list-style-type: none"> <li>• Preliminary mandate: conducting a brief review of the energy sector (assessing the legal framework, identifying on-going sector support programmes, analysing the sector's strengths and weaknesses);</li> <li>• Mandate 2: developing a programme in an action sheet format detailing the sector support activities to be implemented;</li> <li>• Mandate 3: proposing an implementation set-up;</li> <li>• Facilitating discussions and debates on this programme between AFD and the European Union Delegation in Lebanon, as well as with the Ministry of Energy and Water and other sector stakeholders.</li> </ul>		

**Reference 651**

<b>Title: Assessment of the impact on water resources of constructing a 80MW solar plant</b>		<b>Country: Guinea</b>
<b>Location: Khoumagueli (Kindia district)</b>		<b>Specialized staff: 1 Water Resources Expert</b>
<b>Name of Client: SOLVEO Energie</b>		<b>No. of employees involved: 1</b>
<b>Financing:</b>		<b>No. of staff-months worked: 0.5</b>
<b>Address: 6 Impasse Raymond Loewy, 31140 Aucamville</b>		<b>Total project value: 8.920 EUR</b>
<b>Start Date - End Date:</b> <b>05/2017 - 06/2017</b>	<b>Duration of assignment (months): 1</b>	<b>Approximate value of services: 8,920 Euro</b>
<b>Name of associated consultants, if any:</b>		<b>No. of staff-months provided by associated consultants:</b>
<b>Name and positions of persons involved:</b> <b>Client: Antoine Degland (a.degland@solveo-energie.com)</b> <b>Consultant: Jérémie Hédoïn (JHE) (hedoin@hydroconseil.com)</b>		
<b>Project description:</b> Construction of an 80MW solar plant in a rural area of Guinea.		
<b>Description of services actually provided:</b> Conducting an Environmental and Social Impact Assessment containing a specific component on water resources: <ul style="list-style-type: none"> <li>• Studying the topography and run-off;</li> <li>• Reviewing the geology and characteristics of the aquifer;</li> <li>• Assessing the impact of the project on both surface and groundwater.</li> </ul>		

## Reference 648

<b>Title: Creation of an atlas of potential small hydropower plants</b>		<b>Country: Madagascar</b>
<b>Location: Vatovavy-Fitovinany region</b>		<b>Specialized staff: 1 Hydrogeologist (Team Leader), 1 Assistant Team Leader, 2 Hydrological Experts, 1 GIS Expert, 1 Civil Engineering Expert, 1 Economist, 1 Topographer</b>
<b>Name of Client: United Nations Industrial Development Organization (UNIDO)</b>		<b>No. of employees involved: 8</b>
<b>Financing: Global Environment Facility (GEF)</b>		<b>No. of staff-months worked: 12</b>
<b>Address: Wagramer Strasse 5, A -1220 Vienna, Austria</b>		<b>Total project value: 95.999 EUR</b>
<b>Start Date - End Date:</b> <b>12/2016 - 05/2017</b>	<b>Duration of assignment (months): 5</b>	<b>Approximate value of services: 95,999 Euro</b>
<b>Name of associated consultants, if any:</b>		<b>No. of staff-months provided by associated consultants:</b>
<b>Name and positions of persons involved:</b> <b>Client: Mark Draeck (m.draeck@unido.org)</b> <b>Consultant: Aude Lazzarini (ALA) (Lazzarini@fake.com)</b>		
<b>Project description:</b> The GEF / UNIDO 'Improving access to energy for productive purposes through the development of small hydropower plants in rural Madagascar' project aimed to stimulate the use of small hydroelectric power plants to reduce greenhouse gas emissions and trigger the growth of productive and income-generating activities. The project involved constructing 3 pilot sites (with a cumulative capacity of less than 3.5MW) as part of a Public Private Partnership (PPP).		
<b>Description of services actually provided:</b> Conducting an initial (reconnaissance) study to assess the hydraulic potential of around 30 sites in the Vatovavy-Fitovinany region, as well as to determine the energy demand near these sites. The data collected was compiled into an atlas of potential sma <ul style="list-style-type: none"> <li>• Undertaking the comprehensive collection of available information (technical studies, rainfall data, hydrological information, etc.);</li> <li>• Developing the methodology and tools / guides for data collection and assessment of the sites' hydroelectric potential;</li> <li>• Conducting field visits to around 30 sites in the Vatovavy-Fitovinany region and collecting information on the physical characteristics of each site;</li> <li>• Visiting and assessing existing (thermal and hydraulic) power plants within the region;</li> <li>• Conducting household surveys to assess the demand and willingness to pay for electricity in the municipalities of the sites concerned;</li> <li>• Analyzing / processing the data collected and developing an atlas of small potential hydroelectric developments for the Vatovavy Fitovinany region, listed in order of priority.</li> </ul>		

**Reference 593**

<i>Title:</i> <b>Formulation of a water, sanitation, renewable energy, climate change adaptation, decentralization and governance project</b>		<i>Country:</i> <b>Cape Verde</b>
<i>Location:</i> <b>Praia and Cape Verde</b>		<i>Specialized staff:</i> <b>1 team leader, 1 decentralization expert, 1 sanitation expert</b>
<i>Name of Client:</i> <b>Lux-Development S.A. (LuxDev)</b>		<i>No. of employees involved:</i> <b>3</b>
<i>Financing:</i> <b>Luxembourg Development Cooperation Agency (LuxDev)</b>		<i>No. of staff-months worked:</i> <b>4</b>
<i>Address:</i> <b>B.P. 2273 L-1022 Luxembourg</b>		<i>Total project value:</i> <b>70.900 EUR</b>
<i>Start Date - End Date:</i> <b>01/2016 - 04/2016</b>	<i>Duration of assignment (months):</i> <b>3</b>	<i>Approximate value of services:</i> <b>70,900 Euro</b>
<i>Name of associated consultants, if any:</i>		<i>No. of staff-months provided by associated consultants:</i>
<i>Name and positions of persons involved:</i> <i>Client:</i> <b>Guirec Halflants (halflants@luxdev.lu)</b> <i>Consultant:</i> <b>Lionel Messas (LME) (Messas@fake.com)</b>		
<i>Project description:</i> The Lux-Development CVE/082 project in Cape Verde focuses on water, sanitation, renewable energy, climate change, decentralization and sector governance. The geographic area covered by the project is mainly Santiago island, but also the country's 9 other islands. It is a 5-year project and has a total budget of 4.6 million euros. The CVE/082 project is a continuation of the previous CVE/078 project, which ended in April 2016.		
<i>Description of services actually provided:</i> <ul style="list-style-type: none"> <li>• Validation of the CVE/082 project logical framework in collaboration with all stakeholders through two workshops; the logical framework was developed in line with results-based management guidelines ;</li> <li>• Definition of objectively verifiable indicators based on the validated logical framework and validation of the assumptions and risks ;</li> <li>• Detailed description of the activities per result, based on the validated logical framework and lessons learned from the previous project ;</li> <li>• Costing of the activities and costing of overall project implementation; development of the 5-year project implementation schedule ;</li> <li>• Development of the CVE/082 project document, including an in-depth institutional analysis of the sector, stakeholders, previous projects, and current challenges.</li> </ul>		

**Reference 382**

<b>Title: Pre-feasibility study for 5 small hydro-power projets</b>		<b>Country: Kenya</b>
<b>Location: Mutonga, Gitie, Rianjue &amp; Riamathakwa</b>		<b>Specialized staff: 1 hydrology specialist and 1 power generation expert</b>
<b>Name of Client: Kenya Association of Manufacturers (KAM)</b>		<b>No. of employees involved: 2</b>
<b>Financing: French Development Agency (AFD)</b>		<b>No. of staff-months worked: 3</b>
<b>Address: 15 Mwanzi Road opp West Gate Mall, Westlands, Nairobi, Kenya, AFD, 5, rue Roland Barthes, 75598 Paris Cedex 12</b>		<b>Total project value: 30.000 EUR</b>
<b>Start Date - End Date:</b> <b>05/2012 - 07/2012</b>	<b>Duration of assignment (months): 2</b>	<b>Approximate value of services: 30,000 Euro</b>
<b>Name of associated consultants, if any:</b>		<b>No. of staff-months provided by associated consultants:</b>
<b>Name and positions of persons involved:</b>		
<b>Client: Pascal Habay (pascalhabay@gmail.com)</b>		
<b>Consultant: Bernard Collignon (BCO) (collignon@hydroconseil.com)</b>		
<b>Project description:</b>		
Feasibility Studies and Due diligences for Hydro Power plants		
<b>Description of services actually provided:</b>		
Pre feasibility study for 4 potential hydro-power plant sites (Rianjue, Gitie, Riamathakwa and Rupengazi) (4 services provided):Due diligence for a fifth potential hydro-power plant site (Mutonga):		
<ul style="list-style-type: none"> <li>• Hydro-power resource assessment (hydrology and topography)</li> <li>• Dam site rapid appraisal</li> <li>• Rapid technical design for the purpose of cost estimate (investment, running costs, recommended selling tariff)</li> <li>• Financial feasibility of the project</li> <li>• Appraisal of the detailed technical and financial study;</li> <li>• Recommendations for project implementation and for the power purchase agreement.</li> </ul>		

**Reference 347**

<b>Title: Evaluation and technical studies of 28 solar systems in rural water supply</b>		<b>Country: Mauritania</b>
<b>Location: Mauritania</b>		<b>Specialized staff: 1 Water and Solar Expert</b>
<b>Name of Client: European Union (EU)</b>		<b>No. of employees involved: 1</b>
<b>Financing: European Union (EU)</b>		<b>No. of staff-months worked: 2</b>
<b>Address: EEAS Building, 9A Rond Point Schuman 1046 Brussels Belgium</b>		<b>Total project value: 47.168 EUR</b>
<b>Start Date - End Date: 08/2011 - 09/2011</b>	<b>Duration of assignment (months): 1</b>	<b>Approximate value of services: 47,168 Euro</b>
<b>Name of associated consultants, if any:</b>		<b>No. of staff-months provided by associated consultants: 2</b>
<b>Name and positions of persons involved:</b>		
<b>Client: Marie-Laure Robert</b>		
<b>Consultant: Claude Mauret (CMA) (Mauret@fake.com)</b>		
<b>Project description:</b>		
To support the NAO and the Delegation of the EU to establish an inventory of the achievements of two contracts for works and supply contracts related to 28 networks potable water and an estimate of technical and financial needs for opérationnabilité of each network, Hydroconseil will produce a report by market and sheets by AEP by the inventory of works and installations of solar equipment in terms of actual performance to make operational AEP		
<b>Description of services actually provided:</b>		
<ul style="list-style-type: none"> <li>• Completion of a technical mission and field visits on 28 sites concerned to take stock of the status of work and the solar equipment installed and dysfunctions</li> <li>• Analyze the achievements and facilities in terms of compliance with respect to special conditions of each contract</li> <li>• Develop technical data by market and by AEP</li> <li>• Estimate technical and financial requirements, time limits, to make each AEP operational</li> <li>• Write a report representing the state of completion of each market and a proposal for technical and financial needs with a timetable</li> </ul>		

## Reference 314

<b>Title: Preparation of Water and Energy Policy Strategy</b>		<b>Country: Cameroon</b>
<b>Location: National</b>		<b>Specialized staff: 1 Energy Expert, 1 Water Expert, 1 Economist</b>
<b>Name of Client: Ministry of Energy and Water (MINEE) (Cameroon)</b>		<b>No. of employees involved: 1</b>
<b>Financing: National Budget</b>		<b>No. of staff-months worked: 4</b>
<b>Address:</b>		<b>Total project value: 25.000 EUR</b>
<b>Start Date - End Date:</b> <b>08/2010 - 06/2011</b>	<b>Duration of assignment (months): 10</b>	<b>Approximate value of services: 25,000 Euro</b>
<b>Name of associated consultants, if any: EED Advisory, IED (Innovation Énergie Développement)</b>		<b>No. of staff-months provided by associated consultants: 3</b>
<b>Name and positions of persons involved:</b> <b>Client: Dr Eloundoun (dreloundoun@fake.com)</b> <b>Consultant: Sadok Hidri-Hellmann (SHH) (Hidri-Hellmann@fake.com)</b>		
<b>Project description:</b> The project consists in assisting the MINEE in the design of the strategical policy for water and energy. Hydroconseil is in charge of the water component.		
<b>Description of services actually provided:</b> Tasks of Hydroconseil in this project are : <ul style="list-style-type: none"> <li>• Consultation of stakeholders of the water sector in Cameroun and participatory approach through the organisation of workshops with the representatives of the sector (other government departments, water asset owner, water company, representatives of local water, rural water, sanitation, legal and institutional aspects, IWRM)</li> <li>• Review and analysis of reports and documents dealing with the water in Cameroun : urban water, rural water, sanitation, legal and institutional aspects, IWRM</li> <li>• Drafting of documents of strategical policy comprising : diagnosis of the water sector, the strategy for each sub-sector, logical framework, Middle term expenditure Framework, the policy letter.</li> </ul>		



**Reference 311**

<b>Title: Technical expertise of water facilities funded under the Regional Solar Programme</b>		<b>Country: Mauritania</b>
<b>Location: Mauritania</b>		<b>Specialized staff: 1 electromechanical expert</b>
<b>Name of Client: European Union (EU)</b>		<b>No. of employees involved: 1</b>
<b>Financing: European Union (EU)</b>		<b>No. of staff-months worked: 1</b>
<b>Address: EEAS Building, 9A Rond Point Schuman 1046 Brussels Belgium</b>		<b>Total project value: 18.560 EUR</b>
<b>Start Date - End Date:</b> <b>08/2010 - 09/2010</b>	<b>Duration of assignment (months): 1</b>	<b>Approximate value of services: 18,560 Euro</b>
<b>Name of associated consultants, if any:</b>		<b>No. of staff-months provided by associated consultants:</b>
<b>Name and positions of persons involved:</b> <b>Client:</b> <b>Consultant: Cédric Estienne (CES) (estienne@hydroconseil.com)</b>		
<b>Project description:</b> Support for the European Commission Delegation in the provisional acceptance of the equipment in 12 sites and expertise for the equipment approved with reservations in 6 sites for the project "Supply and Installation of 28 solar equipment" signed between the Owner (EDF in Nouakchott), and the company Isophoton SA		
<b>Description of services actually provided:</b> <ul style="list-style-type: none"> <li>• Technical support for provisional acceptance and the final approval of works</li> <li>• Compliance analysis of solar equipment with the technical specifications and the technical contractor's methodology; analysis of the quality of equipment installation on site.</li> <li>• Writing technical data sheets for each site, and a report constituting a part of the provisional acceptance report.</li> </ul>		

N°	Start date	End date	Country	Project Title	Man Months	Budget	Client	Financing
866	11/2021	05/2022	Niger	Assessment of the off-grid sector, including households, productive uses and public facilities	15.6	155.000 EUR	World Bank	World Bank (WB)
865	10/2021	06/2022	Dem. Rep. Congo	Evaluation and promotion of productive uses of electricity	13.7	109.000 EUR	World Bank	World Bank (WB)
862	10/2021	12/2021	Cape Verde	Technical assistance for analysing and revising the Request for Proposals to install a desalination plant and solar power plant	1.7	33.800 EUR	Lux-Development S.A. (LuxDev)	Luxembourg Development Cooperation Agency (LuxDev)
844	05/2021	04/2022	Haiti	Household and private sector survey on the ability and willingness to pay of potential mini-grid customers	42	289.750 EUR	Ministère des travaux publics, transports et communications (Haïti)	World Bank (WB)
824	07/2020	07/2024	Bulgaria, Croatia, Poland, Romania	Support with planning, preparing and implementing environment and energy sector investment projects in Bulgaria, Romania, Croatia and Poland		8.000.000 EUR	European Investment Bank (EIB)	European Investment Bank (EIB)
823	10/2020	04/2021	Mozambique	Evaluation of the Access to Energy and Development Project (EDAP) in Mozambique	2.7	40.000 EUR	French Agency for Development (AFD)	French Development Agency (AFD)

819	10/2020	12/2022	Mexico	Assistance with implementing the Technical Cooperation Programme to support the Mexican Federal Electricity Commission's Renewable Energy and Energy Efficiency Programme	3.1	102.000 EUR	French Agency for Development (AFD)	French Development Agency (AFD)
786	01/2020	01/2022	Tanzania	Independent verification to accelerate access to water through solar pumping	31	176.809 EUR	World Bank	World Bank (WB)
758	04/2019	11/2021	Benin, Burkina Faso, Togo	Longitudinal evaluation of the Improved Solar Irrigation Solution (SISAM) project	2.6	28.122 EUR	Electriciens sans Frontières	French Development Agency (AFD)
743	11/2018	02/2019	Lebanon	Supporting the French Agency for Development to formulate a support programme for the energy sector	1.4	12.350 EUR	French Agency for Development (AFD)	French Development Agency (AFD)
651	05/2017	06/2017	Guinea	Assessment of the impact on water resources of constructing a 80MW solar plant	0.5	8.920 EUR	SOLVEO Energie	
648	12/2016	05/2017	Madagascar	Creation of an atlas of potential small hydropower plants	12	95.999 EUR	United Nations Industrial Development Organization (UNIDO)	Global Environment Facility (GEF)
593	01/2016	04/2016	Cape Verde	Formulation of a water, sanitation, renewable energy, climate change adaptation,	4	70.900 EUR	Lux-Development S.A. (LuxDev)	Luxembourg Development Cooperation Agency (LuxDev)

				decentralization and governance project				
382	05/2012	07/2012	Kenya	Pre-feasibility study for 5 small hydro-power projects	3	30.000 EUR	Kenya Association of Manufacturers (KAM)	French Development Agency (AFD)
347	08/2011	09/2011	Mauritania	Evaluation and technical studies of 28 solar systems in rural water supply	2	47.168 EUR	European Union (EU)	European Union (EU)
314	08/2010	06/2011	Cameroon	Preparation of Water and Energy Policy Strategy	4	25.000 EUR	Ministry of Energy and Water (MINEE) (Cameroon)	National Budget
311	08/2010	09/2010	Mauritania	Technical expertise of water facilities funded under the Regional Solar Programme	1	18.560 EUR	European Union (EU)	European Union (EU)