

Curriculum Vitae (CV)

Name:	Nihad Harbaš
Date of Birth:	11.02.1985.
Country of Citizenship/Residence:	Bosnia and Herzegovina

Education:

Institution	Date from – Date to	Degree(s) or diploma(s) obtained
University of Sarajevo - Faculty of Mechanical Engineering	2009 – 2011	Master of Mechanical Engineering
University of Sarajevo - Faculty of Mechanical Engineering	2005 – 2009	Bachelor of Mechanical Engineering

Language skills: (Mark 1 to 5 for competence, 5 being the highest)

Language	Reading	Speaking	Writing
Bosnian/Croatian/Serbian	mother tongue		
English	5	5	5

Membership of professional bodies:

Energy Community Secretariat (EnCT) - Roster of Experts - RES, EE & Climate
 International Renewable Energy Agency (IRENA) - Roster of Experts
 United Nation Development Programme (UNDP) - Roster of Experts
 Association "Centre for energy, energy efficiency and environment" - President of the Assembly
 ReSET – Sustainable Energy Transition Center – General Secretary
 ex: Delegation of the German economy in BiH / Business Association BiH - Member of the Assembly
 ex: Chamber of engineers in FBiH - Chairman of the Mechanical Engineering Section
 ex: MoFTER - Coordinator for Renewable Energy in BiH

Licences and certificates:

- State license exam in the field of energy; License 05-34-8-314/15 – 06.2015
- Certificate to perform Energy Management according ISO EN 50001 – 04.2013
- Authorization for energy audit and certification of buildings with complex technical systems – MODULE 2 – 05.2012
- Authorization for energy inspection and certification of buildings with simple technical systems – MODULE 1 – 12.2011
- Authorization for regular energy audits of the KGH system - Class I – 06.2023
- Authorization for regular energy audits of the KGH system - Class II – 09.2023
- UN BSAFE certificate – 10.2025
- UN PSEA certificate – 10.2025

Other skills (e.g. computer literacy, etc.):

Cisco Academy degree performance IT essential 1 & 2; MS Office (Word, Excel, MS Project, MS Power point, MS Access), Corel Draw, Adobe Photo Shop, ArcGIS Desktop, Autodesk: AutoCAD, KI Expert & ENSI software (Programs for calculation thermal energy needs in buildings); LEAP energy; iSBEMba – National software for calculation thermal energy needs in buildings

Key qualifications:

Nihad Harbaš is one of the leading regional and international Climate and Energy experts and consultants in areas of Climate Change, Energy Efficiency, Renewable Energy, Decarbonization, Green Agenda, Just Transition, Energy Transition, Innovative Financing Mechanisms and Sustainable Development. He is a founder and CEO of a consulting company nLogic Ltd., Think Thank focused on sustainable development projects, EE and RES implementation. Nihad has over 15 years of experience in working with NGO, private sector, public sectors and international organizations. In addition to that, Nihad is Educator, Auditor, Certifier, Media Speaker and Event Moderator. He participated in numerous projects aiming at harmonization of the energy sector in accordance with Energy Community obligations. He has reach experience in Bosnia and Herzegovina, Western Balkan and European energy and climate change issues with strong knowledge of existing technical and legislative framework in Bosnia and Herzegovina related to the EU directives. Nihad is member of Energy Community Secretariat, IRENA, UN and etc. roster of experts. As IRENA Energy expert he is reviewing and vetting Renewable Energy projects with fellow experts from all around the world and share experiences in fields of biogas, solar, wind, biomass, hydro, etc. Nihad is holder of many certificates as: Certificate to perform Energy Management according ISO EN 50001, Certificate for performing energy audits of residential and non-residential buildings with simple technical systems – MODULE 1, Certificate for performing energy audits of residential and non-residential buildings with complex technical systems – MODULE 2 (Mechanical profession), Training program to perform energy audits of residential and non-residential buildings with simple and complex technical systems - MODULE 3, Certificate of successfully completed Professional Training Program for regular energy audits

of heating and air conditioning systems - CLASS I, Certificate of successfully completed professional training program for regular energy audits of heating and air conditioning systems - CLASS II, Online security awareness training (BSAFE), Prevention of Sexual Exploitation and Abuse (PSEA), etc.

Reference contacts:

- Dr. Admir Softic, Assistant Minister, Ministry of Foreign Trade and Economic Relations of Bosnia and Herzegovina, admir.softic@mvteo.gov.ba
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- Emina Mravović, Director, Center for energy, energy efficiency and environment, emina.mravovic@ceeo.ba
- Darko Knezović, Energy Manager, City of Mostar, darko.knezovic@mostar.ba
- Amir Krečo, CEO, Proving Ltd. Sarajevo, amir.kreco@proving.ba

PERIOD	COMPANY	POSITION	DESCRIPTION
2017 - now	nLogic Advisory Sarajevo	CEO & Climate and Energy Expert	<p>General Management / Consulting</p> <ul style="list-style-type: none"> • Maintain a deep knowledge of the energy market and industry • Implementation and development of energy related studies and analysis • Implementing studies, plans and programs in energy in district energy • Consulting in building performance, energy management & rationalization of energy use • Cost-benefit analysis, feasibility studies and preliminary design on renewable energy sources, cogeneration and energy efficiency in buildings, industry & waste treatment • Lecturing in EE & RES and training Program for energy auditors according to the EPBD directive • Energy Sector coordination and support in Energy Community Treaty obligations • Incorporation of RES in overall strategies and adjustment of existing RES strategies • Socio-economic analysis in just transition and inclusive transition • Circular economy • Decarbonization and energy transition projects implementation • Cross-sector energy & climate-focused investment strategies for regions and local communities focusing on carbon neutrality and CO2 emission reduction • Investment strategy for RES & EE projects • Development, update and monitoring of the national NECP, NEEAP & NREAP • Development of bioenergy & innovative technologies sector • Development strategic options for EE & RE development and its impact on economic development • Regulatory framework - regulations on methodologies for guarantees of origin system • Community based approaches to finance RES projects • Media Speaker & event moderator
04.2026. - ongoing	GIZ	Environmental/ Climate Risk Expert	<p>Development of the Sarajevo Urban Mobility Network Resilience Study</p> <p>The contractor is responsible for contributing to the objectives and indicators of the Green Agenda: Climate Change Adaptation in the Western Balkans project and specifically contribute to the goal of this assignment as per the described tasks. as follows:</p> <p>-Module objective</p> <p>The implementation of climate adaptation measures by the countries of the Western Balkans is more efficient and effective, in accordance with the Green Agenda for the Western Balkans.</p> <p>-Module objective indicators</p> <p>-Module objective indicator 1</p> <p>5 evidence-based reference instruments for climate change adaptation were used by regional, national and local decision-makers to plan and implement measures, including one reference instrument that integrates gender aspects and one that integrates ecosystem-based adaptation through nature-based solutions.</p> <p>Module objective indicator 2</p> <p>4 municipalities or associations of municipalities or ministries for agriculture, transport or the environment in the Western Balkans have used the reference instruments developed for adaptation measures in the agricultural and urban transport sectors.</p> <p>Task1: Analysis of the Existing Situation</p> <p>Task 2. Climate Risk Assessment of Sarajevo's Urban Mobility Infrastructure</p> <p>Task 3. Development of a context-specific methodological approach</p> <p>Task 4. Qualitative and quantitative risk assessment</p> <p>Task 5: Evaluation of Risk Tolerance and Identification of Comprehensive Risk Management (CRM) Options</p> <p>Task 6: Identification of Feasible Options to Avert, Minimise, and Address Potential Losses and Damages - AMAL framework</p> <p>Task 7. Implementation and finance</p> <p>Task 8. Coordination and contribution to the NALAS's IT Tool for Disaster Risk Reduction</p> <p>Task 9. Presentation of the Study to decision makers</p>
03.2026. - ongoing	City of Mostar	Team Leader	<p>Program for the development of solar systems for the production of electricity on public buildings in the City of Mostar</p>

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01.2026. - ongoing	RCC Secretaria	Team Leader	<p>Support to the RCC Secretariat in preparing the 2025 Report on the Implementation of the Green Agenda for the Western Balkans Action Plan (GARI)</p> <p>The GAWB Action Plan outlines 58 actions and seven roadmaps across key thematic areas: climate policy, sustainable energy, sustainable mobility, circular economy, depollution, sustainable agriculture and food supply, and the protection of nature and biodiversity. It exemplifies the principle of "turning words into actions" by defining concrete steps, identifying supporting organisations, and establishing indicative timeframes for implementation.</p> <p>In line with the Sofia Declaration mandate, the RCC leads the monitoring of GAWB Action Plan implementation through the Annual Report on the Implementation of the GAWB Action Plan (GARI). This monitoring process is a collaborative effort involving the Western Balkans Six (WB6), regional partners (such as the EnCS, TCPC, SWG RRD, and IUCN), European Commission, and other key stakeholders, using predefined qualitative and quantitative indicators.</p> <p>Following the publication of 2024 GARI, the RCC will develop the 2025 GARI to evaluate progress in implementing the GAWB Action Plan. Using the methodology established in 2024 report, the 2025 GARI will provide an overview of progress across 58 actions and identify bottlenecks and delays in execution. Its findings are anticipated for endorsement at the 2026 Annual Ministerial Meeting on GAWB, providing a roadmap for future actions and corrective measures.</p> <p>The scope of the work includes: Preparation of the Narrative Report of 2025 GARI, which provides a comprehensive and analytical overview of the WB6 progress across all seven components of GAWB Action Plan:</p> <ol style="list-style-type: none"> 1. Climate action 2. Energy 3. Sustainable transport 4. Circular economy 5. Depollution 6. Sustainable agriculture 7. Protection of nature and biodiversity <p>The Report will offer detailed insights into the advancements made in each area outlined in the GAWB Action Plan. The Report will reflect both regional and WB6 individual level perspectives and outlooks, and results vis-à-vis the set objectives (58 actions), identify main obstacles and include recommendations.</p>
11.2025. -	UNDP BIH	Energy Expert	<p>Development of the Study of the Geothermal Potential of the Federation of Bosnia and Herzegovina</p> <p>The purpose of developing the Study is to encourage the utilization of identified geothermal energy, initiate new research activities and exploitation in order to increase the share of renewable energy sources for energy production purposes, such as heating, i.e. development of district heating; cooling, cascading use, and proper management of geothermal energy. Proper utilization of geothermal energy can contribute to reaching new EU climate and energy targets by 2030, implementing the RepowerEU Plan, and achieving climate neutrality by 2050. The Study should also identify the challenges associated with the development of geothermal energy and provide recommendations for addressing them.</p>

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11.2025 - 06.2025	GIZ in BiH	Key expert in circular economy, MSME development, digital tools, and capacity building	<p>Technical assistance for advancing circular economy in the private sector in BiH</p> <p>Supporting MSMEs in applying circular economy practices is an important step toward making the economy in BiH more sustainable and competitive. Thus, the overarching objective of this assignment is to support the adoption and mainstreaming of circular economy practices among MSMEs in Bosnia and Herzegovina through targeted technical support, knowledge transfer, and capacity building. The intervention will enable MSMEs to identify and implement business model innovations based on circular principles such as resource efficiency, closed-loop systems, and waste reduction. In doing so, the assignment aims to strengthen the national ecosystem for sustainable business development, enhance the competitiveness of local MSMEs in international markets, and prepare businesses for emerging regulatory and market demands associated with sustainability.</p> <p>Key expert tasks:</p> <ul style="list-style-type: none"> • Support the development of training modules and practical guidance materials for MSMEs • Design and facilitate workshops and co-creation sessions for idea development and project proposal preparation • Evaluate submitted MSME project proposals as part of the selection process • Mentor selected MSMEs during the pilot implementation phase • Monitor progress and gather feedback throughout the pilot process • Contribute to the preparation of case studies and knowledge materials • Support the development and integration of content into the Green Economy platform • Deliver training sessions for institutional actors such as BSPs, chambers, and development agencies
10.2025 - 12.2025	Centre for Research and Policy Making – CRPM on behalf of the Gender Budget Watchdog Network – GBWN	International Expert for Gender Report	<p>The overarching long-term objective of the project is to improve public commitments for gender responsive climate action and increase available financing to implement gender-responsive climate action in the Western Balkans region and Moldova. Expert is responsible for producing comprehensive GBWN Report that assess the planning and execution of climate-related public funds in the Western Balkans and Moldova through a gender-responsive budgeting lens. Specifically, the expert will analyze how gender considerations are integrated into the allocation and use of funds from the Green Climate Fund (GCF).</p>
09.2025. - 12.2025.	UNDP	Expert for Decarbonization of the HVAC Sector	<p>The development of the Study on the Decarbonization of the Heating, Cooling and Air Conditioning (HVAC) Sector in BiH</p> <p>The development of the Study on the Decarbonization of the Heating, Cooling and Air Conditioning (HVAC) Sector in BiH will be conducted through a structured, participatory, and evidence-based process, aimed at delivering high-quality, reliable, and policy-relevant outputs. The methodological approach will ensure consistency, transparency, and technical rigor throughout all phases of the assignment, while aligning with the requirements of the UNDP and MoFTER.</p> <p>The assignment will be implemented under the supervision of the UNDP Project Manager and in close coordination with relevant project staff. It will imply engagement with key stakeholders across different levels of governance (state, entity, cantonal, and municipal), as well as representatives from the public, private, academic, and civil society sectors.</p> <p>The preparation of the main analytical document will be structured through the following key tasks:</p> <ol style="list-style-type: none"> 1.Preparation of Introduction 2.Analysis of the Current State 3.Identification of Challenges and Opportunities 4.Proposal of Strategies and Measures for Decarbonization 5.Review Case Studies and Best Practices 6.Conducting Economic Analysis 7.Development of Implementation Plan 8.Designing Monitoring and Evaluation Framework 9.Summarizing key findings and drafting the Roadmap

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05.2025. - 03.2026.	GIZ	Team Leader	Organization and implementation of training for teachers in the field of solar panel installation; The main objective of the task - development and implementation of a comprehensive teacher training program for the newly introduced professional profile of Photovoltaic System Installer - is very relevant in the context of the ongoing energy transition and reform of the education system in Bosnia and Herzegovina. Further, the project will support implementation of curriculum adaptation to new market needs, regarding solar panel installation.
11.2025 - ongoing	UNOPS	Lead Analyst – Transformation al Change Assessment	ICAT Transformational Change Assessment for the City of Mostar (Bosnia and Herzegovina). The project applies the ICAT Transformational Change Toolkit to assess the progress and long-term transformational impact of the City of Mostar’s Sustainable Energy and Climate Action Plan (SECAP). It involves structured data collection from municipal, national and international sources, analytical assessment of selected SECAP measures across energy, mobility, buildings and adaptation, and evaluation of their systemic effects on policy, finance, emissions and institutional capacity. Key activities include designing the assessment framework, applying ICAT analytical tools, engaging municipal and sectoral stakeholders through interviews and workshops, and translating results into a detailed assessment report and case study. The project strengthens local climate governance, improves monitoring and reporting systems, and provides evidence-based insights to support NDC implementation, climate finance mobilisation and replication of good practice across the Western Balkans.
03.2025. - ongoing	RECONOMY	Individual Consultant	Technical Expertise in Energy Efficiency in the Construction and Renovation Sector in the Western Balkan region The main objective of this assignment is to provide on-demand technical expertise, mentoring, and backstopping to the RECONOMY staff leading the “Better Income and Employability in Energy Efficient Construction and Renovation” project in the Western Balkan region. The international expert will perform the following tasks: Provision of technical advice, guidance, and mentoring to the program officers and RECONOMY PFU via remote communication per need (such as online calls, emails, etc.). Tailor-made assistance to review existing project concepts and identify opportunities for improvement and enhanced impact, particularly regionally across Western Balkans. Review and quality assurance of the Energy Efficiency and Renewable Energy in Construction project related technical documentations, such as Terms of References, Concept Notes for engaging market actors, Intervention Guide, results chain, etc. Technical backstopping and support to the program officers (as needed) in meetings with market actors and other partners to enhance discussions, especially on challenges related to green building and energy efficiency, ensuring practical solutions and opportunities are advised, discussed, and considered. Assist in capturing early signs of change and impact in the market due to the ongoing projects. Advise on assessing market changes and developments, and propose methodologies or tools for tracking the impact of interventions/projects market growth in the EE/RE sector. Support in building linkages and valuable connections for program staff and market actors with relevant stakeholders in the country, region, and beyond to enhance quality, results, and impact of existing interventions.

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01.2025. - ongoing	EBRD	Energy Efficiency Expert	Infrastructure Public Procurement Specialist during the implementation of the contract Technical Assistance for procurement of works and consultancy services under the Project GrCF2 W2 E2 – Tuzla Canton Public Buildings – 54032 in the Energy efficiency sector in Bosnia and Herzegovina, Canton Tuzla. EBRD-funded project – direct procurement. Advance procurement support to the Client in a number of public buildings, up to 173, in the Tuzla Canton, improving their energy performance and achieving a minimum of 30% primary energy savings. The financing will enable reduction of greenhouse gases (GHG) emissions and energy consumption, yielding electricity and heating savings. Additionally, achievement of higher standards of heating, cooling and ventilation will result in improved thermal comfort for the users of these public buildings. The Consultant supports the Client in the finalisation of the Procurement, Tendering and Contracting for the selection of an implementation consultant, ensuring the process meets the Bank’s requirements for no-objection and is aligned with the Bank’s policies. This includes but is not limited to the review of the procurement plan, procurement notices, tender documents/requests for proposals, consultancy procurement documents, evaluations reports, draft contracts, contracts modifications, including variations, amendments, claims, procurement complaints/reviews etc.
12.2024. - ongoing	UNDP	Individual Consultant	Mechanical Engineer for QC and QA works on Heating Systems Consultant will monitor execution of the Heating systems on site and be responsible to provide following Services: Task 1: Analysis and quality addressment of BoQs and technical documentation Task 2: Monitoring and QA/QC of executed works Task 3: Reporting on all performed activities
2024. - ongoing	Procredit, GGF and Finance in Motion	Team Leader	GGF TAF PROJECT 17/2024 IMPACT ASSESSMENT SERVICES BANK, BOSNIA AND HERZEGOVINA The aim of the project is to support the Bank in BiH, by assigning a specialized Consultant, who will carry out a certain number of impact assessments. The project activities will ensure the verification of the eligibility of proposed sub-projects and reporting on primary energy savings and CO2 emission reductions of financed measures in adherence to GGF standards. Deliverables: <input type="checkbox"/> Individual Tech and E&S due diligence reports for each RE Project assessed. <input type="checkbox"/> Site visit reports. <input type="checkbox"/> High level climate risk assessment reports.
10.2024. - ongoing	UNDP	Team Leader	Development of the First Biennial Transparency Report of Bosnia and Herzegovina under the UNFCCC (BTR1) -Deliverable 1 Developed methodology and dynamic plan for development of the First Biennial Transparency Report of Bosnia and Herzegovina under the UNFCCC (BTR1), in close cooperation with the mitigation and adaptation experts -Deliverable 2: Prepared and submitted draft National inventory report of anthropogenic emissions by sources and removals by sinks of greenhouse gases updated to 2022, for the sectors of Energy, IPPU, AFOLU and Waste using 2019 Refinement to the 2006 IPCC Guidelines for National Greenhouse Gas Inventories -Deliverable 3: Draft BTR entailing all necessary chapters: •Final inventory report •Projections of GHG emissions until 2050 •Report on track of progress made in implementing and achieving the NDC provided, including development of new NDC •Information related to climate change impacts and adaptation provided •Information provided on financial, technology development and transfer and capacity-building support needed and received, prepared in close cooperation with the mitigation and adaptation experts and submitted to UNDP -Deliverable 4: Draft BTR with UNDP comments incorporated submitted for stakeholders’ review. -Deliverable 5: Final BTR1 incorporating stakeholders’ comments submitted.

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2024.	UNDP	Individual Consultant	<p>Development of ToR for Just Energy Transition Strategy of the FBiH</p> <p>The consultant is expected to prepare a Terms of Reference for the Just Energy Transition Strategy of the energy sector of the FBiH until 2030 with a projection until 2050, which will include the content of the document and detailed descriptions of the chapters as well as all necessary technical requirements and financial and time estimates for the development of the Strategy. The project assignment should be fully harmonized with the energy policy in the FBiH as well as the plans for the gradual transition from fossil fuels to RES and the valid legal, strategic and planning framework in the FBiH, BiH, the energy community and the EU, while respecting the internationally recognized obligations undertaken by the FBiH/BiH. Consultant will work under direct supervision of the UNDP and under coordination of the representatives of the Federal Ministry of Energy, Mining and Industry (who will approve and confirm the quality of outputs) to complete all activities specified in this Terms of Reference. Terms of Reference must be accepted by the Interdepartmental Commission appointed by the Government of the FBiH and adopted by the Government of the FBiH.</p>
09.2024. – 2025.	UN Women	Team Leader	<p>Gender and Climate Change</p> <p>The objective of the assignment is to work towards the closing of gender-data gaps in BiH, particularly regarding the impact of climate change on gender issues. This objective will be pursued through the production of new reports and data on the situation in BiH, as well as by fostering conversations and prospective policy change through awareness raising dialogues.</p> <p>Scope of work</p> <p>The Contactor is expected to undertake the following activities:</p> <ol style="list-style-type: none"> 1.Knowledge production 2.Awareness Raising Dialogue (one day event) 3.Final Report 4.Participation in two dialogues of the Feminist Action Coalition for Climate Justice 5.Proposals for offsetting the carbon emission 6.Inputs for media campaign

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09.2024. – ongoing	UNDP	Individual Consultant	<p>Consultant for conducting the analysis of methane emissions reduction in the energy sector of Bosnia and Herzegovina</p> <p>Task 1: Review of the legal framework in Bosnia and Herzegovina (including Entities and Brcko District) as well as at the level of the European Union which should include possibilities of the methane emissions reduction in the energy sector of Bosnia and Herzegovina and provide work methodology for completing this consultancy. The Consultant will, in coordination with the Project staff, review all relevant laws, sub-laws and other legislation that regulate above mentioned field. The Consultant will develop a work methodology that should include Consultant's approach to the task (qualitative/quantitative), stakeholders to be included, and schedule/plan of activities as well as proposed set of questions for consultations with stakeholders. The work methodology will need to be approved by the Project. This task could require partial presence at UNDP premises or premises of Project Board member due to consultations with Project staff and project partner(s) and it is mostly related to desk research.</p> <p>Task 2: Conduct research and consultations with stakeholders to get insights on the topics relevant for the Analysis as set in this ToR. The Consultant will, through his/her activities within this task, collect information and insights for qualitative analysis of following topics:</p> <ul style="list-style-type: none"> -The role of the Ministry of Foreign Trade and Economic Relations of Bosnia and Herzegovina and the role of the relevant Ministries responsible for energy and environmental protection at the entity level and the Government of Brcko District BiH -Sources of methane in Bosnia and Herzegovina (fossil fuels, waste, agriculture, etc.) -EU targets for methane reduction -Share of methane in total GHG (CO₂e) emissions -Methodology for calculation of methane in total GHG (CO₂e) emissions -NECP and share of methane in GHG (CO₂e) emissions in Bosnia and Herzegovina -Analysis of methane monitoring and detection in BiH -Collection and application of expert knowledge -Impact assessment of possible methane measurement policies -Methane reduction funding opportunities -Implementation plans and mechanisms for monitoring, evaluation and reporting -Framework business plan for fossil fuel methane reduction in Bosnia and Herzegovina -Calculation and recommendations for removing methane from total GHG (CO₂e) emissions in NECP BiH -Recommendations for methane reduction in BiH <p>These topics are subject to change depending on the approved methodology in Task 1. The consultations should include all relevant stakeholders in order to gather information necessary for the completion of the Task 2. The Consultant will create and provide a draft (Draft 1 of the Analysis) using findings and information gathered conducting the Task 2. Travel and potential accommodation need to be organized by the Consultant. The Project can assist with a potential list of contacts. The planned number of days for this task is five (20) days.</p> <p>Task 3: The Consultant will create and provide the Draft 2 of the Analysis which will be revised Draft 1 detailing how all received comments have (or/and have not) been addressed after the approval of the Draft 1. Task 4: The final document of the Analysis created after incorporation of possible comments during approval of Draft 2. The final document of the Analysis provided and approved by UNDP and MoFTER.</p>

01.2024. - ongoing	Stockholm Environment Institute	QA & <i>Circular Economy & Decarbonization Expert</i>	<p>Preparation of Transitional Plans in four local self-government units in BiH – Banovici, Breza, Ugljevik and Zivinice within the area of circular economy and decarbonization</p> <p>Deliverables:</p> <ul style="list-style-type: none"> •Preliminary Work Plan •Preliminary Stakeholder Engagement Plan •Attending joint meetings with LSGUs and other experts •An overview and summary of relevant international/BiH/entity/cantonal/local documents/policy framework •Mapping the megatrends (participatory event) •Preparation of the situation analysis •Preparation of pathways •Preparation of cross-sector climate-focused investment strategies for cities and coal regions, with CO2 emission reduction calculation •Preparation of investment strategy •First Stakeholder consultations •Prioritization, development of measures and activities (1st draft) for: <p>Circular Economy:</p> <p>Waste prevention, minimization and if created, transformation into high-quality resources; prevention of plastic pollution</p> <p>Make further progress in the construction and maintenance of waste management infrastructure for cities and regions</p> <p>Measures addressing the entire life cycle of products, from design and manufacturing to consumption, repair, reuse, recycling, and bringing resources back into the economy</p> <p>The increase of the resources productivity within the economy</p> <p>Using EU best practices in different industrial sectors through the 'best available technique reference documents' (BREFs)</p> <p>Adoption of Best Available Technologies (BAT)</p> <p>Circular economy and the benefits for SMEs, support to low carbon entrepreneurship, support SMEs in accessing innovative technologies</p> <p>Comprehensive approach to foster sustainable lifestyles and consumption, empowering consumers and public buyers, including green procurement</p> <p>Support the establishment of sustainable development and innovation policies for the economies via the implementation of Smart Specialization Strategies</p> <p>Circularity and climate natural materials in construction and buildings</p> <p>Relevance of industrial policy - a green modernization in enterprises and investments in the co-operative linkages in the industrial eco-systems</p> <p>Innovations and the deployment of effective innovation measures</p> <p>Skills - new skills, gaps, education, labour market gaps (reskilling programmes)</p> <p>Relevance of integration to the EU industrial supply chains</p> <p>Decarbonization:</p> <p>Air pollution, monitoring and management</p> <p>Emissions baseline - decrease of emissions</p> <p>Energy diversification and alternatives to fossil fuels</p> <p>Low carbon district heating</p> <p>Community energy, increasing access to renewable energy for public sector, households, businesses; confidence-building measures to encourage consumers to turn more to renewable energy</p> <p>Exploring the potential of biomass and other alternative fuels</p> <p>Energy efficiency (building sector, public, private, industry and businesses)</p> <p>Social dimensions of transition – addressing just transition, energy poverty</p> <p>Introduction/promotion of emission and energy standards</p> <p>Climate adaptation strategies</p> <p>Favorable investment for energy and climate solutions (access to funding, planning, new instruments)</p> <p>Transport sector and smart mobility - greener and more sustainable transport network, multimodal transport solutions and modal shift</p> <p>Innovative solutions could challenge some of these consumption patterns</p> <ul style="list-style-type: none"> •Second Stakeholder Consultations •Development of measures and activities (2nd draft) •Transitional plans finalized including Operational 3-year plan
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			<ul style="list-style-type: none"> •Summary report from public discussion/disclosure •One webinar delivered •Final report
16.6.2025 – 25.6.2025.	Food and Agriculture Organization of the United Nations (FAO)	National Project Management Specialist	<p>Project: Identify investment options for climate change adaptation in Bosnia and Herzegovina (GCP/BIH/015/GCR)</p> <p>The assignment was part of the GCF Readiness Project implemented by FAO, aiming to support Bosnia and Herzegovina in increasing investment in climate-resilient development through the identification of municipal-level adaptation options and preparation of financing strategies. Key responsibilities included:</p> <ul style="list-style-type: none"> • Preparation of detailed training materials on climate change adaptation projects (presentations, case studies, exercises), • Delivery of lectures during a three-day training for 20–30 participants focused on project management in the context of EU-funded climate change initiatives, • Facilitation of interactive discussions and Q&A sessions, • Preparation of a training report summarizing outcomes, feedback, and recommendations, • Participation in consultations and project events related to climate-resilient investments.
16.4.2025 – 25.4.2025.	FORS Montenegro	Individual consultant	<p>Webinar: “Citizen energy communities”</p> <p>The project involved the preparation and delivery of webinar on citizen energy communities for representatives of public institutions and civil society organizations. As part of the project, the following activities were carried out:</p> <ul style="list-style-type: none"> - Preparation of seminar topics and agenda, - Preparation of presentations to be used during the seminar, - Delivery of the lectures as part of the online seminar and - Preparation and submission of a report focusing on the implementation process, achieved results, main conclusions, and recommendations for future activities. <p>The webinar provided an overview of citizen energy communities, their role in the energy transition, and benefits for citizens, SMEs, and local authorities. It covered key steps to establish such communities, relevant legislation in Montenegro and the EU, and highlighted EU initiatives applicable in the local context. Emphasis was placed on renewable energy sources—especially solar and biomass—as well as available technological solutions. The session included a case study of successful models, and outlined financing options such as subsidies, EU funds, ESCo models, and crowdfunding.</p>
16.06.2025 – 31.07.2025	GIZ	Individual consultant	<p>Moderation of final event of the Connective Cities Learning Process on Renewable Energy Options at the Municipal Level</p> <p>This engagement involved the preparation of comprehensive Moderator Guidelines, outlining panel structure, participant interaction, and event flow. Responsibilities included initiating contact with panelists, aligning discussion questions, and moderating all sessions during the three-day event. An overview of domestic and international project financing opportunities was developed, and municipalities were supported in the process of preparing and submitting proposals. The assignment also included facilitating peer-to-peer consultations to foster collaboration, contributing to a roundtable discussion, and preparing a detailed final report summarizing key insights and recommendations.</p>

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04.2024. - 05.2024.	Municipality of Vitez	Team Leader	<p>Audit of the HVAC system of the Municipality of Vitez</p> <p>The goal of the project is to conduct a energy audit of the heating system, which will determine the energy characteristics of the heating system, carry out an evaluation of the efficiency of that system and a comparison of the installed power with the actual needs of the facility for heating, and proposal of measures for techno-economically favorable improvement of energy characteristics, according to regulations and legislatives.</p> <p>As part of the project, the following project activities were implemented:</p> <ul style="list-style-type: none"> • Field visit and measurements to determine energy losses and the current efficiency of the heating system, • Analysis of the energy characteristics of the building and the characteristics of energy consumption and cost management, • Analysis of the energy properties of the heating system, • Analysis of measurement, regulation and management systems of technical heating systems, • Evaluation of the efficiency of the system and comparison of its installed power with the real needs of the facility for heating, • Analysis of the possibility of changing energy sources, • Analysis of the possibility of using renewable energy sources and more efficient systems (alternative systems), • Analysis of energy, economic and environmental benefits of each proposed measure, • Analysis of possible measures to improve the energy efficiency of the heating system, • Proposal of measures to improve the energy efficiency of the heating system, • Analysis of the performance of the proposed measures in terms of energy savings, economic profitability and the environment, • Preparation of the final report on the detailed energy audit of the heating system.
02.2024. – 09.2024.	GLOBAL FACTOR INTERNATIONAL CONSULTING, S.L.U. funded by GIZ	Team Leader	<p>Socio-economic analysis and just transition roadmap for the coal Municipality of Obiliq/Obilić, Kosovo</p> <ul style="list-style-type: none"> • Short review on initiatives and assessments • Review existing literature and initiatives • Stakeholder mapping and engagement plan • Communication and presentation • Presentation of interim results and recommendations for further proceeding • Final presentation of key messages, conclusions and recommendations • Socio-economic analysis and just transition roadmap for the coal Municipality • Preparation of cross-sector climate-focused investment strategy for Municipality with calculation of CO2 emissions • Assess the importance of coal in Kosovo and the effects of scaling up RES in the coal region and coal utilization Municipality Deep-dive • Analysis of the governance structure <p>Recommendations and assessment of the potential for intermunicipal socioeconomic transformation</p>
2.2024. – ongoing	Smart Kolektiv, FORS, CRP	Climate Change Specialist	<p>The "Green Kick" project is supported by the Federal Ministry for Economic Affairs and Climate Action of the Federal Republic of Germany (BMWK) within the European Climate Initiative EUKI. The goal of the project is to strengthen the influence of civil society in Bosnia and Herzegovina, Montenegro and Serbia on legislation in the field of decarbonization and climate change protection, capacity development, improvement of cooperation between civil society organizations (CSOs) and local self-government units (LGUs), and a public campaign by members of the regional GEAR networks. The project is implemented in partnership with three civil society organizations: Center for Development and Support from Bosnia and Herzegovina, FORS Montenegro from Montenegro, and Smart Collective from Serbia; overall project implementation and coordinating activities across several countries;</p> <p>Implementation of 3 (2 days) advanced training for project partners in the field of energy sustainable development within the framework of the Concept of Action Plan for Energy and Climate Sustainable Development (SECAP), the state of the countries in the region in the development of SECAP, the implementation of already adopted plans in the field of energy sustainable development of local self-government units, importance, the structure and role of the Covenant of Mayors initiative in increasing energy efficiency and the use of renewable energy sources.</p>

PERIOD	COMPANY	POSITION	DESCRIPTION
02.2023. – ongoing	Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH, ERP Project	Senior Expert – Energy Sector	<p>Support BiH Directorate for Economic Planning, BH institutions, EU Delegation in Growth Plan, Reform Agenda for EU candidate:</p> <ul style="list-style-type: none"> • Analysis of background documents (EC Progress Report, Growth Plan for Western Balkans, the latest ERP draft document, sectoral strategies, regulatory framework, project reports, etc.) to support consultation and formulation process of the Reform Agenda 2024-2027. • Provision of analytical inputs in formulation of country specific reforms and investments for priority area Green Transition (components Market reforms; Decarbonization policy and ETS adoption; Renewable’s deployment; Energy Efficiency and Air Pollution) • On the job support DEP and other stakeholders in formulation of indicators and conditions, including expected impact for priority area Green Transition (components Market reforms; Decarbonization policy and ETS adoption; Renewable’s deployment; Energy Efficiency and Air Pollution) • Support DEP in organization of coordination meetings with other stakeholders within Green Transition policy area.
12.2023. – 03.2023.	UNDP	National Consultant	<p>Development of the Rulebook on conducting energy audits in communal services in the Federation of Bosnia and Herzegovina</p> <p>National Consultant for development of Rulebook on conducting energy audits in communal services in the Federation of Bosnia and Herzegovina will work under direct supervision of the GED Project Analyst and under coordination of the representatives of the Ministry of Energy, Mining and Industry of the Federation of Bosnia and Herzegovina (who will approve and confirm the quality of outputs) to complete all activities specified in this Terms of Reference.</p>
11.2023.	FAO	Specialist for Development of the Climate Change Country Priorities	<ul style="list-style-type: none"> • Elaborate material for the development of the Country Programme, including screening and project prioritization tools and stakeholder engagement tools such as the preparation of a CP training/information package (based on PPT presentations); • In close cooperation with the International Climate change and GCF country program specialist (title tbc), elaborate stakeholder engagement plan including a list of relevant stakeholders for all potential CP sectors, based on previously stakeholders identified, assessed and trained. Hereby gender balance, vulnerable groups and sectoral balance are specifically reflected; • Conduct 2 national stakeholder consultations to inform stakeholders about the CP’s general content, the elaboration process and discuss the priority sectors. In this context, the stakeholder engagement tools and CP training/information package is applied; • Conduct up to 8 priority sector workshops in Zenica, Mostar, Banja Luka, Sarajevo, Bijelina, Bihac, Capljina and Prijedor for approximately 20 participants each. In advance, the NDA publishes a public call for project ideas to identify project ideas and readiness needs. In the thematic workshops, relevant stakeholders discuss and define sectoral project activities for the Country Programme. The stakeholder engagement tools as well as screening and project prioritization tools are applied in this context; • In close cooperation with the International Climate change and GCF country program specialist, elaborate country programme, based on the stakeholder engagement process; • Organize and participate in project consultations meetings, and other project events relevant for the assignment; • Carry out any other tasks relevant to this assignment as requested by the National Team leader and the LTO of the project; •project management and project implementation;

PERIOD	COMPANY	POSITION	DESCRIPTION
11.2023. – 09.2024.	BIRD, funded by GIZ	Sustainable Energy Expert	<p>Development of Sustainable Energy and Climate Action Plans (SECAPs) for selected Local Self-Government Units in Western Balkans"; B&H: Jajce, Kakaknj, Mrkonjic Grad, Istočno Sarajevo); Montenegro: Tivat, Pljevlja, Kolašin i Podgorica)</p> <ul style="list-style-type: none"> - Meetings with stakeholders; - Review of input data and drafting of request for additional inputs for calculation of impact of mitigation measures; - Preparation of presentation for the workshop; - Maintenance of workshops; - Review of BEIs; - Identification of missing data in BEI and defining mitigation measures; - Analysis of measures in SECAPs; - Calculation of effects of measures. - Meetings with stakeholders; - Documentation review; - BEI and RVA analysis; - Identification of adaptation measures for all municipalities; - Preparation of presentation for the workshop; - Identification of adaptation measures; - Preparation of Excel table calculations for adaptation measures; - Preparation of conclusions for adaptation measures.
02.2023 – ongoing	Eletric Power utility of BiH, funded by EBRD	Team Coordinator and Energy expert	<p>Energy Crops Pilot Planting project</p> <p>The consultant will do the following:</p> <ol style="list-style-type: none"> a. Soil sampling and chemical analysis of the land on three coalmines of EPBiH, at 10 selected micro locations in total. b. Analysis of the results of soil quality and preliminary recommendation of suitable energy crops. c. Selection of two micro locations suitable for establishment the Robinia test plantations d. Establishment of the Robinia test plantations, including drafting implementation plan on the plantations and drafting conceptual design e. The report on the test plantation establishment. f. The plantation maintenance and supervision/ monitoring in period of three years. g. Reporting on establishment, maintenance and supervision (monitoring) of the test plantations. h. Overview of all EPBiH energy crops and SRC test plantations with final recommendations for further activities for replication of recommended energy crops.
08.2023. – 03.2024.	Federal Ministry of Physical Planning	QA&Expert	<p>Provision of consulting services related to the development of the Second Operational Plan for improving energy efficiency in FBiH institutions</p> <p>The project goal for performing the assignment is development of the Second Operational Plan for improving energy efficiency in the Federation of Bosnia and Herzegovina (FBiH) institutions - Energy Efficiency (EE) Operational plan. This Plan will include all up to 480 public buildings under jurisdiction of the Government FBiH with the implementation period of three (3) years.</p> <p>The main objective of the EE Operational plan are financial and non-financial benefits of energy saving in public buildings such as:</p> <ul style="list-style-type: none"> •reduce energy consumption for heating while achieving the comfort required by the standards (temperature and air humidity at the working space, etc.), •saving in budgets, reducing the use of fossil fuels, preserving natural resources, fixed asset value growth with service life extension, •reduction of global warming through reduced emission of CO2 and other harmful gases into the atmosphere, •contribution to the development and self-sustainability of the Revolving Fund for EE of the FBiH, •project management and project implementation;

PERIOD	COMPANY	POSITION	DESCRIPTION
08.2023. - ongoing	CEEO for PIN/CCAC	Energy Consultant	<p>Development of National SLCP Plan, National Methane Roadmap, and MRV Framework project, which responds to a request made by the Ministry of Foreign Trade and Economic Relations of Bosnia and Herzegovina to launch national short-lived climate pollutant (SLCP) planning efforts in Bosnia and Herzegovina, a new Climate and Clean Air Coalition (CCAC) partner.</p> <ul style="list-style-type: none"> •Institutional and technical capacity assessment for SLCP mitigation •Mitigation assessment as a technical basis for integrating SLCP inventories into current inventories, plans and strategies for air quality and climate change (i.e. the Climate Change Adaptation and Low-Emission Development Strategy of Bosnia and Herzegovina for the period 2020-2030) •Identification of priority mitigation measures and corresponding co-benefits assessment <p>Information sessions targeting decision makers to foster political support for endorsement of the National SLCP Plan and implementation of priority mitigation measures.</p> <p>Portfolio of project ideas based on recommendations of the National SLCP Plan including funding strategies for implementation, and relevant stakeholders for technical and institutional support (including funding from national budgets, bilateral cooperation, multi-lateral development banks, and international institutions).</p> <p>A National Methane Roadmap developed in line with a modality agreed with the CCAC Secretariat. Implementers developing methane roadmaps should also participate in the CCAC's Methane Roadmap Action Programme (M-RAP), which provides virtual workshops on where to find data, tools, and guidelines for analysis. At a minimum, a National Methane Roadmap should include:</p> <ul style="list-style-type: none"> •A needs assessment which identifies gaps in existing commitments and policies for methane mitigation •A mitigation assessment including priority mitigation measures, mitigation potential, and cost-benefit analysis of implementation in high-emitting sectors •An assessment of the institutional arrangements for implementation •A monitoring and evaluation framework for identified methane mitigation measures •Identified funding sources to support implementation of the measures •Recommendations for implementing mitigation measures identified in the roadmap •An outline of how the roadmap will support the government in meeting international climate commitments <p>An information session with the Council of Ministers of Bosnia and Herzegovina to present the roadmap and the national potential for methane mitigation with the objective of having the roadmap formally adopted.</p> <p>An integrated greenhouse gas and SLCP Monitoring, Reporting and Verification (MRV) framework which supports reporting on the NECP.</p> <p>Capacity building workshops to relevant government agencies on SLCP analysis, including on monitoring, reporting, and verification.</p>
04.2023. - ongoing	Canton Sarajevo Government	Member of an independent expert body	<p>Member of the independent expert body of the Sarajevo Canton Government to determine the validity of the calculation and the final proposal of the central heating price/tariff level for users of KJKP "Toplane - Sarajevo" d.o.o. Sarajevo</p>
2022. - ongoing	Ministry of Spatial Planning, Construction and Ecology of the Republic of Srpska	Team Member and Lecturer	<p>Energy Efficiency Event Management</p> <p>Preparation and delivery of high-quality events: Annual energy efficiency conference (2), Expert round tables (6).</p> <ul style="list-style-type: none"> •project management and project implementation;

PERIOD	COMPANY	POSITION	DESCRIPTION
2022. - ongoing	Ministry of Spatial Planning, Construction and Ecology of the Republic of Srpska	Team Member and Lecturer	<p>Trainings</p> <p>Preparation and delivery of high-quality trainings for: Market capacity development, Project Implementation Unit (PIU) staff</p> <ul style="list-style-type: none"> •project management and project implementation;
2017. - ongoing	Kommunal kredit Public Consulting GmbH (“KPC”) funded by EBRD	Technical Expert	<p>Implementation of EBRD Western Balkans Green Economy Financing Facility (EBRD WB GEFF - Residential) in the Western Balkans, focusing on the residential sector, with an aim of upgrading project goals and focus towards SMEs:</p> <ul style="list-style-type: none"> • Ongoing update and population of the Technology Selector for Bosnia and Herzegovina • Provide input to the task “Migration of the Technology Selector” • Conduct on site verification checks of sub projects in Bosnia and Herzegovina • Ongoing communication with vendors and manufacturers in Bosnia and Herzegovina • Participation in events for vendors and manufacturers in Bosnia and Herzegovina • Participation in events and meetings as needed • Provide input to all deliverables according to the ToR as requested by the Project Manager or Project Director • Monitoring relevant industry / trade fairs / conferences in the region • Other activities as requested by the Project Manager or Project Director • All activities as outlined in the roles and responsibilities schedule
11.2023 – 12.2023	PIN/CCAC	Consultant	<p>Inclusion of Informal Waste Workers (IWWs) in the transition to sustainable waste management</p> <p>The objective of project is to facilitate inclusion and formalization of informal waste workers and social categories involvement into waste management system which would support the transition to sustainable waste management in Canton Sarajevo. This will be achieved through the development and implementation of a comprehensive business plan, serving as a strategic and operational guide for the formalization of waste management practices of informal waste workers, as well as implementing a pilot action which will be either focused on testing the business plan in operation form Roma people or involving other citizens for the purpose of increasing sustainability of overall waste management system in Canton Sarajevo.</p> <p>Specific objectives:</p> <ol style="list-style-type: none"> 1.To create a strategic and operational basis for formal inclusion of informal Roma waste workers in the waste collection and recycling process – through development of formal document (business plan) outlining the needed actions, actors and steps for formalization of involvement of informal Roma waste workers in the waste management system. 2.To showcase the ability and opportunities for inclusion of informal groups in waste management system – through piloting an action that includes the formal waste management operator (KJKP Rad) and representatives of informal groups, either: existing informal waste workers of Roma society or introducing new actors in waste management (for example youth).
04.- 10.2023.	The Chamber of Economy of the Federation of Bosnia and Herzegovina, SECW	Team Leader	<p>Sarajevo Energy and Climate Week SECW 2023 An international event aimed at a just transition of the energy sector, taking into account climate objectives and decarbonisation of the energy sector.</p> <p>During the five days of interactive high-level discussions, SECW brought together over 1000 participants from all over the world, including high-level officials, ministers of energy, climate and environment, representatives of EU institutions, government representatives, academia, experts, investors, financiers, NGOs, media and other interested parties, who discussed the activities and results of international aid projects of Bosnia and Herzegovina and the countries of the region.</p>
03.2023 – ongoing	Eletric Power utility of BiH, funded by EBRD	Team Leader	<p>Full biomass repowering of Tuzla TPP unit 3 and establishment of short rotation bioenergy plantations on former coalmine areas</p> <p>The goal of this assignment was development of detailed operational plan for the project, preparation of investment strategy and implementation for the conversion of TPP Tuzla Unit 3 to biofuels with the establishment of energy biomass plantations in mining areas, as well as to assist the Company to adopt and implement a sustainable biomass fuel procurement policy and to ensure that only biomass fuel of legal and sustainable origin is used.</p>

PERIOD	COMPANY	POSITION	DESCRIPTION
03.2023.	British Embassy	Team Leader	Green hydrogen – a development opportunity for Bosnia and Herzegovina economy An event, which aimed to present the good practice of UK companies in the business of using green hydrogen. This event established potential cooperation with companies from Bosnia and Herzegovina that are interested in entering the green hydrogen production business together with companies from Great Britain.
01.2023 – 06.2023.	Agency for Statistics of Bosnia and Herzegovina, funded by EU	QA	IPA 2019 MBP STATISTICAL PROJECT 5.5. ENVIRONMENTAL ACCOUNTS – Air emissions accounts Through the implementation of the IPA 2019 MBP statistical project Environmental Accounts (Statistical project 5.5. Environmental Accounts) and SC (Service Contract No. 2020.0276), the following activities are included: <ul style="list-style-type: none"> • Acquaintance with accounting principles relevant to Air Environment Accounts • Provision of data from the energy balance • Obtaining emission factors • Calculation of emissions • Adapting the form of emissions from the energy balance to the form of the AEA questionnaire • Obtaining data on emissions that are not included in the energy balance • Making a presentation for the EUROSTAT conference • Creation of a manual for the creation of Air Emissions Accounts
05.2023-07.2023.	EBRD	Energy Expert	Energy efficiency of Buildings on BiH State Level The objective of this assignment was to create a Strategy with Action Plan for adoption by the BiH Council of Ministers, and to institutionally address the increase of energy efficiency of public buildings at the state level. According to the obligations assumed by BiH and the targets in terms of EE, and the available data on total energy savings, the aim is to calculate value of investment, percentage of energy and costs savings and GHG emission reduction that can be achieved by implementing energy efficiency measures selected buildings addressed by Strategy and Action Plan.
11.2022.-11.2023.	UNDP	Project Management and QA	Development of overall municipal/city financial and policy mechanisms for implementation of energy efficiency measures enabling increase of energy efficiency in residential sectors Overall objective of the assignment is development of financial and policy mechanisms for the cities/municipalities of Konjic, Citluk, Rogatica, Sekovici, Doboju, Kotor Varos, Jezero, Novi Travnik, Novo Gorazde, Livno, Visoko, Cajnice. <ul style="list-style-type: none"> • Organization and implementation of training sessions - educational programmes for all local government unit • Preparation of cross-sector climate-focused investment strategies for cities/municipalities with drafting scenario for CO2 emission reduction calculation
01.2022. – 04.2023.	Environmental Fund of the Federation of BiH	Team Member	Conducting training for 2763 appointed persons from the organizational scheme of energy management in FBiH The project includes training for energy managers, coordinators, energy managers and energy associates of the public sector in FBiH. As part of the project, the following project activities were carried out: <ul style="list-style-type: none"> • Preparatory activities, collection of initial data and creation of a work plan related to training • Holding trainings on energy management • Preparation of reports on held trainings

PERIOD	COMPANY	POSITION	DESCRIPTION
12.2022. – 04.2023.	CRP	Team Leader	<p>Study of the impact of solid fossil fuel combustion on air pollution in households and the impact of agricultural production on soil pollution</p> <p>Study of the impact of solid fossil fuel combustion on air pollution in households and the impact of agricultural production on soil pollution was created within the framework. The professional team performed the following services:</p> <ul style="list-style-type: none"> • Collection and processing of data, analysis of the current situation • Analysis of measures to improve energy efficiency and achieve energy savings • Analysis of the situation after the implementation of the proposed energy efficiency measures • Analysis of the effects of implementation of the proposed measures on the environment, the economy and the creation of new jobs • Presentation of examples of good practice from other countries for financing the problem of air and land pollution • Analysis of land and ways of land use in Lijevo polje • Analysis of the state of the basic parameters of soil fertility and the state of agricultural pollution • Analysis of locations of actual and potential contaminants of agricultural land with actual and possible contaminants • Analysis of the measure for further use, eventual rehabilitation and recultivation of agricultural land • Analysis of the content of dangerous and harmful substances on agricultural land <p>-Proposing measures for further use, rehabilitation and recultivation of agricultural land in accordance with current regulations and global trends</p>
12.2022. – 06.2023.	Western Balkans Investment Framework (WBIF)	National Expert	<p>„RePower Western Balkans“; Center for Sustainable Energy Transition – RESET</p> <ul style="list-style-type: none"> • Provide short description of key characteristics of the BiH national power system, which is relevant for the study • Describe the impact of the energy crisis and measures undertaken to mitigate its consequences • Describe governments' visions and concepts of national and regional power sector development strategies used for defining sectoral policies • Organize individual interviews with key stakeholders and power sector experts and based on key findings from the interviews elaborate their stances regarding • The causes of the crisis and the short-term and long-term measures for increasing the security of supply • Objectives, targets and measures adopted in the NECP in the dimension Decarbonization (Coal phase down/out and Renewables scale-up) • Effectiveness of the international support (specifically of the EU) for energy sector liberalization (with focus on the results/impact of the Energy Community) – if possible identify the lessons learned • Estimate country readiness for implementation of the Energy Community Decarbonization Roadmap • Identify leaders in RES development based on the list of projects with an advanced level of approved permits for the contraction (i.e. electric power companies, private investors, prosumers) • Organize one national workshop • Participate in national and regular regional online coordination meetings • Critically review and comment on the REPowerWB white paper

PERIOD	COMPANY	POSITION	DESCRIPTION
10.2022.- 03.2023.	NTU for National IPA Coordinator (NIPAC) Office; Project led by GIZ InS	Energy Expert	<p>Support to NIPAC in the programming of Pre-Accession Assistance in BiH</p> <p>Activities:</p> <ul style="list-style-type: none"> • Develop Action Document (AD23) in energy sector, revised based on comments by EU Delegation and other relevant stakeholders in energy sector. • Review and analysing the Commission’s comments on the proposed Action Fiche (AF) “EU Support for Energy Sector” • Analysing and assessing the relevant IPA III documentation and templates as well as relevant EU and National strategic documents. • Perform sectoral needs analysis under Window 3: “Green Agenda and Sustainable Connectivity” – TP2: “Transport, digital economy and society, and energy” • Support the NIPAC Sector Coordinator (NSC) and the NIPAC Window 3 Coordinator (NWC3) in coordinating inputs from the key sector institutions (SCI and other Actions beneficiaries at different levels of governance in BiH) • Providing operational inputs to the relevant stakeholder institutions (IPA beneficiary institutions) with regard to preparation of draft Action Document (AD24) “EU Support for Energy Sector”. • Support the NIPAC Sector Coordinator (NSC) and the NIPAC Window 3 Coordinator (NWC3) in performing quality assurance of inputs provided by IPA key institutions (SCIs) and other Actions beneficiaries for drafting of the Action Document (AD24) “EU Support for Energy Sector”, making use of working tools developed by the project team for quality check and preparation of technical and institutional readiness of IPA III Actions. • Provision of training and on the job coaching to NIPAC Office staff, SCI and the other sector institutions at different levels of governance as potential IPA III beneficiaries on the preparation of the draft AD24 “EU Support for Energy Sector” document. • Revision and quality check of the final draft AD24 “EU Support for Energy Sector” document.
08.2022. – 08.2023.	UNDP	QA	<p>Development of studies on energy efficiency of entire residential housing stock in the cities/municipalities of Cazin, Buzim, Bosanska Krupa, Sanski Most, Novi Grad, Jezero, Novi Travnik, Livno and Kotor Varos</p> <p>Overall objective of the assignment is development of studies on energy efficiency of entire residential housing stock in the cities/municipalities of Cazin, Buzim, Bosanska Krupa, Sanski Most, Novi Grad, Jezero, Novi Travnik, Livno and Kotor Varos.</p>
10.2022.- 06.2023.	UNDP	Project Management and QA	<p>Technical assistance in development of strategic basis for just transition towards low-carbon economy and building capacities of vulnerable groups</p> <p>The main objective of the assignment is to provide assistance in development of strategic basis for just transition towards low-carbon economy and build capacities of vulnerable groups to ensure that the transition happens in favour of all.</p> <p>The following tasks shall be carried out during this assignment:</p> <p>Task A. Analysis of current situation and development of Blueprint for BiH’s “Just transition for all”, including:</p> <ul style="list-style-type: none"> - Analysis and identification of low-carbon labour market demand - Gender responsive and inclusive analysis - Rapid assessment of policy and regulatory framework - Development of draft Blueprint for BiH’s “Just transition for all” - Development and presentation of final version of Blueprint for BiH’s “Just transition for all” - Preparation of cross-sector climate-focused investment strategies for cities/municipalities with drafting scenario for CO2 emission reduction calculation <p>Task B. Analysis of current situation and development of Just Transition Strategies Towards Low-Carbon Economy for three carbon-intensive industries, including: Socio-economic impact study on carbon-intensive industries; model for introduction of decarbonization measures and mechanisms; analysis and development of ESCo business model for three public electric utility companies;</p> <p>Task C. Capacity building for vulnerable groups</p> <ul style="list-style-type: none"> - training for re-skilling of coal industry workers for at least 50 coal industry workers - 10 info and educational sessions to vulnerable groups.

PERIOD	COMPANY	POSITION	DESCRIPTION
08.2022. – 05.2023.	EBRD	Team Leader	<p>Sarajevo Canton – structuring the process of expanding the DH system, connecting additional consumers, shutting down boiler plants and legal advice</p> <p>The general objective of the task is to prepare a policy support/preliminary feasibility study that the EBRD, the Ministry of Communal Economy, Infrastructure, Spatial Planning, Construction and Environmental Protection of Sarajevo Canton and district heating companies (DHCs) can use to assess prospects for implementing activities to expand the district heating system (DHS).</p> <p>The expert team performed the following services:</p> <ul style="list-style-type: none"> •Field visit to "BAGS - Energotehnika d.d. Vogošća" and cantonal public utility company "Toplane - Sarajevo d.o.o. Sarajevo", •Data collection and analysis, •Analysis of the current state of DHS in SC, •Analysis of energy balances and characteristics of buildings connected to DHS, •Analysis of the possibility of integrating heat pumps into DHS, •Cost - benefit analysis of the proposed solution, •Analysis of the reduction of greenhouse gas emissions due to the integration of heat pumps in DHS, •Legal analysis of the possibility of merging the company "BAGS - Energotehnika d.d. Vogošća" to the cantonal public utility company "Toplane - Sarajevo d.o.o.Sarajevo", •Preparation of investment strategy.
08.2022. – 05.2023.	UNDP	Consultant	<p>Consultant for conducting Analysis of possibilities for generation of Electrical and Heat energy from waste in BiH</p> <p>Activities:</p> <ul style="list-style-type: none"> - Review of the legal framework in Bosnia and Herzegovina (including Entities and DB) as well as at the level of the European Union including to fields of waste management, environmental protection, air protection and water protection and provide work methodology for completing this consultancy. - Conduct research and consultations with stakeholders to get insights on the topics relevant for the document of Analysis as set in this ToR.
10.2022. – 11.2022.	Partner - Microcredit e Foundation	Lecturer, Mechanical Engineer	<p>Training for sales staff of Partner - Microcredit e Foundation about Energy Efficiency in Business and opportunities</p> <p>As part of the project, the following project activities were implemented:</p> <ul style="list-style-type: none"> • Creating a questionnaire for testing all participants before training; • Creating a questionnaire for testing all participants after the training; • Creating a training concept; • Creating a training agenda; • Engagement of appropriate lecturers and experts from renewable energy sources, energy efficiency, communications and marketing; • Creating presentations with topics: Determination of a set of EE measures at the level of one object; Skills and knowledge for successful selling of micro credits for energy efficiency; Workshop about energy products - choice, prices, costs and quality; Measures and benefits of energy efficiency: investment - savings - profitability; Sale of microcredits: Concrete examples and benefits brought by the use of renewable energy sources; Case Study – role play - Truths and misconceptions about energy efficiency while buying microcredit. <p>•project management and project implementation;</p>

PERIOD	COMPANY	POSITION	DESCRIPTION
09.2022.	Natron-Hayat Ltd. Maglaj	Lecturer, Mechanical Engineer	<p>Education of engineering staff: "Implementation of energy efficiency in industry and conduction of internal energy audits"</p> <ul style="list-style-type: none"> • Creating a training concept; • Creation of education programs and detailed agendas; • Engagement of professors and experts from renewable energy sources, energy efficiency; • Creation of a questionnaire for the purpose of pre-testing and final testing of all participants; • Creating presentations and processing topics: <ul style="list-style-type: none"> - Concept and creation of a detailed energy audit; - Measures to improve EE in industry with a focus on steam condensate systems, lighting and compressed air systems; - Methods of saving and preventing losses of electricity in the lighting system. Methodology of conversion of savings or losses of electricity into financial value; - EM drives, contemporary trends, economic justification of replacing outdated electric motor drives; - Heating and cooling of rooms. Choice of optimal economically profitable heating / cooling (examples of good practice). Prevention of energy losses in KGH systems;
11.2022. – 12.2022.	UNDP	Team Leader for UNDP Low Carbon Urban Development Project	<p>Development and organization of capacity building trainings on ESCO financing mechanism in FBiH and RS</p> <ul style="list-style-type: none"> • Training Programme and call for participation in training programme for representatives of private sector and potential investors (SMEs), • Trainings organized and reports for each training, • Preparation and submission of the Q&A report, • Preparation and submission of the Final report (achieved results, lessons learned, relevance of the experience and knowledge-sharing)
02.2022. – 05.2022.	“Pobjeda-Rudet” d.d. Gorazde	Team Member	<p>Detailed energy audit for 30 industry buildings</p> <p>The expert team realized the following services:</p> <ul style="list-style-type: none"> • On-site measurement, thermographic method • Data collection and processing • Analysis and assessment of existing energy consumption and systems • Analysis of energy balances and building characteristics • Identify potential energy savings • Recommendation of energy saving measures • Preparation of energy audit reports for 30 buildings
06.2022. – 07.2022.	Una National Park	Team Member	<p>Study of the waste management system improvement in the Una National Park</p> <ul style="list-style-type: none"> • Field visit in order to assess the state of the environment and methods of waste management, • Analysis of the current state of waste management (classification, collection, composition, amounts, generation, management, transportation), • Analysis of legal frameworks for waste management in Bosnia and Herzegovina, • Analysis of measures to reduce the amount of waste in the area of targeted development, • Analysis of the possibility of improving waste management, which would be an economically and environmentally sustainable system, • Analysis of the effect of the proposed measures in terms of environmental improvement (water, soil, biodiversity, air), • Recommendations for waste management in the tourism industry and protected natural areas with emphasis on the use of innovative models and practices (circular economy).
02.2022. – 12.2022.	Caritas Schweiz for Elementary school “Kovači” in Zavidovići	Team Leader	<p>Development of feasibility study – Substitution of the current energy source in the Primary School “Kovači”, in the settlement of Kovači, Municipality Zavidovići</p> <p>Within the implementation phase of the "Innovation in EE and RES for better adaptation to climate change and poverty reduction EE-PHASE II" project, funded by Caritas Switzerland (CaCH) and partners, a feasibility study for current energy source substitution in the Primary School "Kovači", in the settlement of Kovači, Municipality Zavidovići has been prepared. Final energy audit report with conclusions and recommendations</p>
08.2022. – 09.2022.	Natron-Hayat d.d.	Team coordinator	<p>Wastewater Treatment plant project</p> <p>Development of a conceptual project for heating and cooling of administrative facilities in Natron-Hayat using wastewater from the final clarifier at the Wastewater Treatment plant;</p> <p>Drafting of the preliminary design of heating and cooling for 8 administrative buildings of Natron-Hayat;</p>

PERIOD	COMPANY	POSITION	DESCRIPTION
06.2022 – 10.2022.	UNDP	Team Leader	Development of ESCO public procurement documentation for waste transport vehicles Technical support in preparation of ESCO tender documentation for waste transport vehicles for public utility companies of Cazin, Gradiška, Sarajevo and Zvornik
05.2022. – 07.2022.	UNDP	Team Leader	Development of ESCO public procurement documentation for heating mini-grids Technical support in preparation of ESCO tender documentation for procurement of heating mini-grids in Zenica, KJKP Rad and Municipality of Novi Travnik
11.2021. – 03.2022.	JP EL HZHB	Team Member	Providing detailed energy audits for electricity generation facilities The expert team provided the following services: <ul style="list-style-type: none"> •Field visit and measurements at selected facilities to determine energy losses and current efficiency of heating and lighting systems, •Analysis of the energy characteristics of the building and characteristics of energy consumption and cost management, •Energy cost analysis and projection of further energy consumption, •Analysis of possible measures to increase the energy efficiency of the building, •Proposed measures to increase the energy efficiency of the building, •Analysis of the impact of the proposed measures in term of energy savings, economic viability and the environment,
09.2021. – 05.2022.	Secretariat of the International Renewable Energy Agency (IRENA)	Local Coordinator for RES	Coordinating services for implementation of the Renewable Readiness Assessment (RRA) process in Bosnia and Herzegovina: <ul style="list-style-type: none"> • Coordinate BiH Ministry MoFTER, IRENA and other relevant national institutions to the RRA implementation • Identify and recommend an RRA team from National Institutions that are relevant to the RRA implementation (20-25 members from various sectors, including project financing and investment) • Support the organization of the inception meeting and bilateral meetings as well as RRA workshops, including, assistance in logistical arrangements of the RRA workshops, upon IRENA's request • Support the International Consultant, the Project Financing and Investment consultant, and other IRENA divisions engaged in capacity building activities in the conduct of his/her assignments, including, but not limited to, gathering and providing necessary data and information necessary for conducting the assessment of Bosnia and Herzegovina's climate change mitigation, energy and renewable energy, project financing and investment sectors, networking with relevant local stakeholders to engage them into the RRA process, interviewing stakeholders, liaising with selected local stakeholders to obtain their feedback on various intermediate and final products of the RRA process. Support in identifying key stakeholders that should be invited to the expert consultation and RRA validation workshops. • Identify the reviewers for the RRA report and coordinate with them to ensure that all comments from the reviewers are provided to the International Consultant, project financing and investment consultant, the National RRA Focal Point, and IRENA.
11.2021. – 02.2022.	Municipality Konjic	Team leader	Preparation of a study on the possibilities of production from renewable energy sources <ul style="list-style-type: none"> •The study on the possibilities of production from renewable energy sources provides a basis for future actions that the local community needs to take in order to obtain the development of the local community, domestic and foreign investment and also increase the inflow into the budget of Municipality of Konjic with preparation of cross-sector climate-focused investment strategies for Municipality, calculation of CO2 emissions reduction.

PERIOD	COMPANY	POSITION	DESCRIPTION
10.2021. – 07.2022.	GIZ	Team Leader	<p>Decarbonization of the Energy Sector in Bosnia and Herzegovina”, in the following “GIZ DecES” -</p> <p>Digitalization of Novo Sarajevo + specific building stock for the prioritization process against residential building:</p> <p>The overall objective is to collect technical data on multiapartment buildings (MAB) in the municipality of Novo Sarajevo (NS) in order to create a GIS-based digitalization model for energy efficiency (EE). The GIS model is expected to be the key tool in providing precise prioritization of energy projects and EE measures at the Novo Sarajevo municipality level in the initial phase.</p> <ul style="list-style-type: none"> •Preparation of mobile GIS application for data collection; •Collection of technical input data for NS GIS Model; •Collection of data on actual energy consumption; •Development of a reference inventory of CO2 emissions; •Economic valorization of the MAB data with suggestions for financing EE&RES measures; •Economic valorization tool proposition; •GIS map with buildings and economic prioritization of the data per each building; •Web-based interface map with 3D buildings.
08.2021. – 02.2022.	UNDP	Key expert – Lead Engineer	<p>Study on utilization of new technologies in SMEs in BiH</p> <p>Develop Study on utilization of new technologies in SMEs in BiH,</p> <p>Energy cost analysis and projection of further energy consumption, Analysis of possible measures to increase the energy efficiency, Preparation of general work plan which shows anticipated workflow and timeframe of tasks and activities, Development of a policy recommendation to be adopted on state level, Preparation of 5 detailed energy audits in 5 industry sectors, Creating a Handbook for BiH SMEs on the utilization of new technologies</p>
07.2021. – 01.2022.	UNDP	Key Expert	<p>E-Mobility and Market Study in Bosnia and Herzegovina</p> <ul style="list-style-type: none"> • Analysis and review of the current market and policy situation that regards charging infrastructure, electric vehicles and policies concerning e-mobility. • Preparation of general work plan which shows anticipated workflow and timeframe of tasks and activities • Energy cost analysis and projection of further energy consumption, • Suggestion for faster introduction of charging infrastructure using different business models • Exploring and identification of electrification opportunities and investments in Bosnia and Herzegovina • Identification the overall impact of implementations of E-mobility study • Development of a policy recommendation to be adopted on state level
09.2021. – 12.2021.	UNDP	Team Leader and Lecturer	<p>Development and organization of capacity building trainings on ESCO financing mechanism in FBiH and RS (120 participants)</p> <p>Due to a long period of neglect and under-investment, urban infrastructure in BiH, public and residential buildings, energy systems and utilities, waste management, and transport, are now in need of expansion and modernization. From a global environmental standpoint, this situation contributes to a steady increase in GHG emissions, primarily associated with energy use in public facilities. Public facilities are also the largest energy users and GHG emission sources in municipalities in BiH. Modernization, upgrade and expansion of municipal buildings, infrastructure, and services in BiH will improve the quality of urban life and achieve a range of important local and global environmental and sustainable development benefits.</p> <p>To achieve abovementioned, the „Catalyzing environmental finance for low-carbon urban development“ Project (URBANLED) strives to leverage investment for transformational shift towards low-carbon urban development (LCUD) in BiH thereby promoting safer, cleaner and healthier cities and reducing urban GHG emissions. To enable this transformational shift, the Project provides technical support towards the implementation of technically and economically feasible low-carbon solutions in key urban sectors, and promotes their wider uptake by municipalities and private sector via dedicated financial mechanisms. The Project has been financed by Global Environment Facility (GEF) and is directly implemented by UNDP Bosnia and Herzegovina Country Office.</p>

PERIOD	COMPANY	POSITION	DESCRIPTION
10.2021. – 12.2021.	InterCamp Ltd / EBRD Advice for Small Businesses	Project Manager	Consultancy and project implementation in SMEs Preparation of a feasibility study, preliminary design and investment strategy of solar PV power plants. The aim was to make technical documentation for the project of 23 kW PV power plant for the production and sale of electricity and 88 kW PV power plant to cover its own electricity consumption. Plants were to be provided for roof installation.
10.2021. – 12.2021.	Bosnaplast d.o.o Bosanski Petrovac	Team Leader	Cost-effectiveness analysis of solar energy use via PV panels for production of electricity from solar power for self consumption The expert team provided the following services: -Technical and economic analysis -Development of cost analysis and cost-effectiveness of the installation of PV plants with an estimate of the cost of the project, equipment, ancillary equipment, etc. -Legal analysis -Preparation of project documentation
09.2021. – 10.2021.	Regional Cooperation Council (RCC)	Team Leader	Technical support for further development of the Action Plan for the Green Agenda for the Western Balkans The purpose of this assignment is to perform an analysis of the situation in the Western Balkan economies (Albania, Bosnia and Herzegovina, Kosovo, Montenegro, North Macedonia and Serbia) as well as the most recent developments in the EU regarding the European Green Deal (EGD) including policy, legal framework and strategic objectives, to develop Roadmaps for the implementation of the Sofia Declaration in the areas of Circular Economy, Depollution and Climate Action and to analyse financial mechanisms to support the implementation of the GAWB. •Development of a Roadmap for Circular Economy in the Western Balkans, •Development of a Roadmap for Climate Action in the Western Balkans, •Development of a Roadmap for Depollution in the Western Balkans, •Financing options for the implementation of Green Agenda for the WB.
05.2021. – 10.2021.	World Bank	Team Leader	Bosnia and Herzegovina Sustainable Heating Assessment - Rapid Assessment of District Heating Systems in Bosnia and Herzegovina and opportunities for decarbonization: • Preparation of a general overview of the heating sector in BiH (excluding the City of Sarajevo) with a focus on district heating systems in relevant urban areas of the country, with a description of their operational characteristics (number and type of customers served, heat supply and demand) and financial performance; • Identification of opportunities for investment in cleaner, more efficient and cost-effective heating solutions for the identified networks in the short term (horizon of 5 years), with a focus on investment opportunities that reduce both carbon and pollutant emissions. The assessment should also include cover investment opportunities for cost-effective expansion to new customers • Preparation of cross-sector energy & climate-focused investment strategies for cities and country with calculation of energy savings, money savings and CO2 emission reduction • High level, long-term decarbonization roadmap, and synergies with waste management. Exploration of options for further decarbonization of district heating in the long term, taking into account expected cost decline of incipient innovative heating technologies, potential for electrification (as large-scale electric pumps decline in cost) and linkages with waste treatment (incineration and other technologies) systems under planning.
06.2021. – 07.2021.	Aspen Institute Germany	Energy transition expert	Facilitator at “Civil Society & Think Tank Forum I & Forum II: Road to Berlin • Facilitation of the Working Group E. “Green Agenda: Energy Transition” – EU Green Deal • Representatives from civil society, SMEs and think tanks from the Western Balkans panel discussion and preparation of the policy recommendations for energy transition of the Western Balkan countries. • Berlin Process meeting of heads of state and government and presentation of the policy recommendations to politicians and officials from government, EU, and relevant international institutions.

PERIOD	COMPANY	POSITION	DESCRIPTION
10.2020. – 09.2021.	World Bank	Energy Expert	<p>Sustainable Heating Assessment for the Urban Building Sector in three Western Balkan Countries</p> <p>The objective of the project is to:</p> <p>(i) identify cleaner, more efficient, and cost-effective space heating options and describe trade-offs between options along relevant dimensions; and</p> <p>(ii) define financing mechanisms, regulatory and policy reforms to promote more sustainable heating systems in three urban areas of Western Balkan countries (Sarajevo, Pristina and Skopje). Three capital cities were selected for the assessment since they include more heating options than other locations (e.g. district heating, natural gas network), therefore, the analysis will be relevant for the rest of the country as well. The focus is on areas not covered by the district heating network, especially single-family homes, due to their prominent role in contributing to air pollution.</p> <p>To this end, the assignment will include:</p> <p>Review of current situation: Assessment of existing heating systems and policy/regulatory framework for residential heating in selected urban areas</p> <p>Assessment of sustainable heating alternatives</p> <p>Assessment of possible financing mechanisms and policies to stimulate a transition toward cleaner heating options</p>
11.2021. – 12.2021.	Proving d.o.o. Sarajevo	Energy Expert	<p>Development of feasibility study and energy for public lighting in Sarajevo canton (Ilidza-Vijećnica)</p> <p>This assignment includes performing a study and preparing detailed energy audit for part of public lighting in Sarajevo Canton. Goal of this energy auditing is to reduce air pollution and burden on public budgets, but also to increase energy security and improve public lighting.</p> <p>Measures to improve energy efficiency in public lighting systems would reduce total electricity consumption, and indirectly greenhouse gas emissions. Current public lighting systems were designed at a time when there were no highly efficient lighting technologies. This procurement consists of feasibility studies and energy audits of public lighting in the Sarajevo Canton on the main road Ilidža-Vijećnica., with the aim of reducing the public budget, reducing air pollution, increasing energy security, improving the quality of lighting.</p>
06.2020. – 10.2021.	UNDP	Team Member	<p>Project coordinator and lecturer for the implementation of trainings for representatives of public sector (for 655 participants) on energy management in FBiH and RS.</p>
11.2020. – 04.2021.	Municipality of Bugojno	Team Leader	<p>Feasibility Study and preliminary design with of the sustainability of the expansion of the district heating system with public-private partnership (PPP)</p> <p>The expert team realized the following services:</p> <p>Feasibility study and conceptual design. As part of the project, the following project activities were implemented:</p> <ul style="list-style-type: none"> •Feasibility studies for the PPP project prescribed by Article 11 of the Regulation on identification, preparation, contracting and monitoring of the implementation of the public-private partnership project •Overview of the socio-economic situation of the municipality of Bugojno •Institutional and legal aspects for project implementation •Potentials of utilization of renewable energy sources for the district heating system of the municipality of Bugojno •Proposal of technical solution for district heating Bugojno •Method of pipeline construction •Costs of building a district heating system •Location of the main city boiler room •Electricity consumption and costs •Investment strategy •Conceptual solution of heat production system •Risk analysis and risk mitigation strategy •Comparison of heating costs to different energy sources •Analysis of the financial justification of the project •Tariff proposal •Affordability of district heating service for end users •Environmental and social assessment (reduction of air emissions) •Final report with conclusions and recommendations.

PERIOD	COMPANY	POSITION	DESCRIPTION
03.2020. – 05.2021.	Ove Arup / EBRD project	Technical specialist	<p>Review of cost-benefit and value chain implications for higher performing construction and building renovations in Serbia and Bosnia & Herzegovina</p> <ul style="list-style-type: none"> • Review of the existing literature and publications • Analysis of energy performance certificates impact on capital investment • Review impact on prices • Review of the value chain of technologies and materials
01.2020.	Agora-A Ltd.; Agro-Vis Ltd. Plantaže Spreča doo; Farma Spreča doo	Team Leader	<p>Due diligence - Technical Depth Analysis (TDD) for a biogas plant “Spreča Farm”</p> <ul style="list-style-type: none"> • Analysis of basic information and current status of the project with an estimated time frame • Detailed review of study and technically available documentation (permits, licenses, contracts and agreements) to assess the feasibility of biogas plant projects • Analysis of incentives for electricity production from renewable energy sources in FBiH • System design and engineering • Analysis of the dynamic plan for the construction of a biogas power plant • Yield estimate • Investment strategy • Operation and maintenance (including insurance) • Environmental and social risk assessment
05.2020. – 08.2020.	UNDP	Energy Efficiency Expert	<p>Conducting analysis needed for the development of strategic document that should compile energy efficiency issues relevant both for building and industrial sectors at level of BiH:</p> <ul style="list-style-type: none"> • Main institutions that have responsibilities for preparation and implementation of energy efficiency strategy at BiH level; • Roles and responsibilities of the responsible institutions as per main aspects on energy efficiency, defined by the National Action Plan on Energy Efficiency; • Scope of tasks/activities together with modalities for their consistent implementation; • Requirements defined under the Directive 2009/125 EC establishing a framework for the setting of eco-design requirements for energy-related products; • Mechanisms for improvement of institutional framework relevant for energy efficiency at level of BiH; • As final outcome of the document, draft Decision of Council of Ministers of BiH for energy efficiency will be developed. By this decision, the energy efficiency issues will be introduced and further regulated at the level of BiH.
01.2020. – 03.2020.	UNDP	Sustainable Financing Specialist	<ul style="list-style-type: none"> • Preparation of a map of stakeholders in BiH in the public, private, and CSO sector that are involved in environmental finance, community/micro-finance, or other mechanisms that leverage public and private financing in order to advance the SDGs. The map should consider stakeholders at all levels (i.e. federal, entity and municipal) • Identify and prepare a list of existing mechanisms that could support investments in the SDGs, such as funding for circular economy (particularly in sectors such as agriculture) and actions to address climate change. These may be mechanisms that would be suitable either in their existing form or with some modification. • Provide a brief overview of donor activities in the sector and lessons learned; • Respond to queries for information by the International Consultant during the desk review and drafting phases on an as-needed basis; • Participate as needed in stakeholder meetings and provide support to the International Consultant during the meetings as needed in obtaining information. • Provide comments and feedback on the initial outline of project activities and the draft Concept Note developed by the International Consultant
12.2019. – 02.2020.	SERDA	Team Leader	<p>Providing detailed energy audit services for 60 individual residential and collective housing buildings</p> <p>The expert team realized the following services:</p> <ul style="list-style-type: none"> • On-site measurement, thermographic method • Data collection and processing • Analysis and assessment of existing energy consumption and systems • Analysis of energy balances and building characteristics • Identify potential energy savings • Recommendation of energy saving measures • Preparation of energy audit reports for 60 buildings

PERIOD	COMPANY	POSITION	DESCRIPTION
05.2019. – 01.2021.	GFA Consulting Group GmbH	Technical Expert	<p>“EBRD Regional Energy Efficiency Programme (REEP) in the Western Balkans Offers Technical Assistance in Preparing Tenders for Energy Efficiency ESCO Projects for Public-Sector Facilities in Serbia, Bosnia and Herzegovina and Montenegro”</p> <ul style="list-style-type: none"> • Identify a project pipeline of technically and commercially viable and bankable EnPC and ESC projects (both “ESCO Projects”) with a combined investment value of € 10 million equivalent or more in street lighting, public buildings, district heating and water plants. To rank them in terms of (i) ease of preparation, (ii) urgency of investments, (iii) importance of project for developing the ESCO market. • Of this identified project pipeline, the consultant will have to prepare projects with an investment value of at least € 8 million equivalent. • The geographical scope is the Western Balkan countries of Bosnia & Herzegovina, Montenegro and Serbia. The majority of prepared tenders should ideally be new project categories in the respective country.
03.2019. – 04.2020.	EBRD	EE Expert	<p>Advice for SMEs (Small Businesses) – International Advisory Specialist for European Bank for Reconstruction and Development</p> <ul style="list-style-type: none"> • Development and maintenance of profitable, stand-alone private Enterprise - SurTec-Eurosjaj d.o.o. Konjic • Site visit to the Enterprise, conducting energy audit and collecting all necessary information on energy use in the company • Drafting minutes of meeting • Conducting energy audit and developing Energy audit Report with potential energy efficiency measures and renewable energy utilization
04.2019. – 07.2019.	City of Mostar	Lecturer	<p>The City of Mostar, as a partner in the implementation of the Interreg MED IMPULSE project, organized energy efficiency days starting on June 14, 2019 with a workshop on the energy renewal plan for public buildings in the City of Mostar.</p>
03.2019. – 05.2019.	Star Co d.o.o.	Energy Expert	<p>Preliminary Design for 4 solar plants</p> <p>The project included the preparation of project documentation and preliminary design of 4 solar power plants on location of Lepenica, Kiseljak, each 23 kW installed power</p> <ul style="list-style-type: none"> • On-site inspection of installation place • Documentation preparation and consulting about legal aspects and best design • Preliminary design
04.2019. – 12.2019.	Municipality of Centar	Team Member	<p>Development of a local environmental action plan (LEAP) of the Municipality Center for the period 2019 – 2024</p> <p>Experts of nLogic participated in the collection and processing of data for the energy chapter, and participated in workshops and public hearings, as well as the development and amendment of the energy chapter.</p>
12.2019.	Municipality of Centar	Team Leader	<p>Development of the Energy Efficiency Program of the Municipality of Centar</p> <p>The Municipal Energy Efficiency Improvement Program (hereinafter OPEE) was prepared in accordance with the Federal Energy Efficiency Action Plan (EEAPFBiH 2016-2018) and the relevant Cantonal Energy Efficiency Plan (CEAP), which was prepared in accordance with the obligations of Bosnia and Herzegovina under the Agreement, establishing the Energy Community and its decisions transposing Directive 2006/32 / EC (ESD), Directive 2010/31 / EU (EPBD) and Directive 2012/27 / EU (EED), and in accordance with the Law on Energy Efficiency in the Federation of Bosnia and Herzegovina Herzegovina from March 2017. Unlike EEAPFBiH, OPEEs do not include primary energy due to the fact that primary energy (generation, distribution and transmission) is under the authority of higher levels of government.</p>
11.2018. – 12.2019.	AHK in B&H	National Expert - Lead Trainer	<p>Providing technical and administrative support in the preparation of EUREMnext Program of European Energy Managers in BiH for industries and SMEs. Topics covered:</p> <ul style="list-style-type: none"> • Electricity Market Liberalisation • Gas Market Liberalisation • Emission Trading • Energy Efficiency Laws and bylaws • Contracting- district energy (biomass and heat pumps) • Energy Purchase and Trade • Energy efficiency certificates, audits

PERIOD	COMPANY	POSITION	DESCRIPTION
07.2018. – 06.2019.	CRP / GIZ in BiH	Key Energy Efficiency Expert	<p>Support for capacity development of private and public construction sector actors in implementing energy efficiency in buildings in BiH:</p> <ul style="list-style-type: none"> • Training sessions for building design engineers, authorities responsible for permit issuing (construction and use permits) • Training sessions for building constructors in the construction process • Methodology for performing building construction works –practical advice and most common mistakes • Training sessions for construction supervisors and technical acceptance committee members
05.2018. – 10.2018.	City of Prijedor, funded by GIZ	Team Leader	<p>Sustainable Energy and Climate Action Plan (SECAP) for City of Prijedor, City of Zenica and Municipality Gračanica</p> <p>Expert team developed SECAPs with following content:</p> <ol style="list-style-type: none"> 1. SECAP Executive Summary 2. Overall strategy: <ol style="list-style-type: none"> A. Objective (s) and Targets B. Current framework and vision for the future C. Organizational and financial aspects: coordination and organizational structures created/ assigned; staff capacity allocated; involvement of stakeholders and citizens; budget; foreseen financing sources for the investments within your action plan; planned measures for monitoring and follow-up. 3. Baseline Emission Inventory and related information, including data interpretation 4. Planned actions and measures for the full duration of the plan (2030) including: long-term strategy, goals and commitments till 2030; short/medium term actions. For each measure/action, is specified (whenever possible): - description - department responsible, person or company - timing (end-start, major milestones) - cost estimation - estimated energy saving/increased renewable energy production - estimated CO2 reduction
05.2018. – 06.2018.	Municipality of Banovići	Team Leader	<p>Sustainable Energy Action Plan (SEAP) of Municipality of Banovići</p> <p>The expert team developed SEAP with the following content:</p> <ol style="list-style-type: none"> 1. SEAP Executive Summary 2. Overall strategy: <ol style="list-style-type: none"> A. Objective (s) and Targets B. Current framework and vision for the future C. Organizational and financial aspects: coordination and organizational structures created/ assigned; staff capacity allocated; involvement of stakeholders and citizens; budget; foreseen financing sources for the investments within your action plan; planned measures for monitoring and follow-up. 3. Baseline Emission Inventory and related information, including data interpretation 4. Planned actions and measures for the full duration of the plan (2020) including: long-term strategy, goals and commitments till 2020; short/medium term actions. For each measure/action, is specified (whenever possible): - description - department responsible, person or company - timing (end-start, major milestones) - cost estimation - estimated energy saving/increased renewable energy production - estimated CO2 reduction
04.2018. – 05.2018.	Indirect taxation Authority of BiH	Team Leader	<p>Environmental Impact Assessment Study for border crossing at Svilaj</p> <p>The expert team developed Environmental Impact Assessment Study for border crossing at Svilaj that included:</p> <ul style="list-style-type: none"> •Analysis of each infrastructure components impact on environment, that can be manifested through noise, vibration, land use, visual degradation of the space and land, air and water pollution •Environmental protection measures, such an intelligent road management and maintenance, closed drainage, sound barriers and landscaping are very expensive elements that are characteristics of modern infrastructures. •The drainage system which comprises an external drainage with culverts and gutters situated outside the body of the infrastructure and a closed internal drainage system consisting of a main and secondary collector, inspection shafts, inlets, gutters and different types of ditches and separators.

PERIOD	COMPANY	POSITION	DESCRIPTION
07.2018. – 12.2018.	Czech Republic Development Agency / UNDP BiH	Local Expert	<p>Creation and Strengthening of Capacities of Local Self-Government Units in the Field of Business Models of Wood Biomass</p> <p>The project "Employment and Safe Supply of Biomass by Energy", financed by the Czech Development Agency, handled by UNDP BiH, implements project activities aimed at creating and strengthening capacities of local self-government units in the field of wood biomass related to: business models, legislative assumptions for the implementation of projects in the field of wood biomass using ESCO models, and identification and exploitation of the potential of wood biomass for energy production at the level of local self-government units.</p> <ul style="list-style-type: none"> •Development of training program •Development and adaption of educational presentations •Development of educational and promotional material •Implementation of workshops • development of the investment strategy •Evaluation report for each of the workshops •Final report with findings and results of training program
12.2017. – 01.2018.	Caritas Switzerland (CaCH)	Energy Efficiency & RE Consultant	<p>-Consultancy on assessing and elaborating potentials for cooperation and financing options for an energy efficiency (EE) and renewable energy (RE) programme for Caritas Switzerland (CaCH) in Bosnia and Herzegovina (BiH). Analysing current activities in the sectors of EE and RE of all relevant stakeholders in BiH with current or future plans to finance any services in the sectors of EE or RE & ESCO models.</p>
10.2017. – 03.2018.	GFA Consulting Group GmbH	Technical Expert	<p>WBIF: Energy Efficiency Framework: Supporting ESCO Policy in the Public Sector – focusing on district heating: Preparing Contract Templates for EPC and ESC for 5 Western Balkan Countries</p>
05.2017. – 06.2018.	GIZ	Consultant	<p>Promotion of Renewable Energy (RE) in BiH Joint Bioenergy Program in BiH implementing by MOFTER, GIZ, UNDP & USAID EIA:</p> <ul style="list-style-type: none"> • Consultant for coordination and implementation of sector approach activities & biomass potential map development • Coordination of the entire bioenergy potential study • Support to international consultant for PPP - ESCO (ESC, EPC) case study concept development • Advising the international bioenergy expert of GIZ on local biomass energy environment and approach of the biomass potential study • Bioenergy potential study and maps • Coordination of the entire bioenergy potential study • Coordination of local and international experts on the development of data collection and analysis • Coordinate the inputs of UNDP and GIZ into the study and ensure a coherent approach and implementation • Advice the international bioenergy expert on the overall management of the process • Support to international consultant for selection of 10 innovative technology case studies • Coordination Data Gap Filling with national and international experts (visits to institutions, coordination of working meetings, etc.) • Cross-sector climate-focused investment strategies for cities or regions • Identification of platform host and definition on concept for integration biomass data into web online platform • Wood consumption in BiH preparation and presentation • Support the preparation of workshop on biomass CHP with wood-processing industry (participants coordination, coordination with Chamber of Commerce in FBiH and RS, associations, preparation of the workshop concept) • Moderation of the WS on biomass CHP with wood-processing industry

PERIOD	COMPANY	POSITION	DESCRIPTION
12.2016. – 05.2018.	UNDP	Biomass National Technical Expert	<ul style="list-style-type: none"> •Networking activities including creation of a multidisciplinary coordination body for wood biomass by ensuring participation and ownership of representatives of line Ministries, RES Agencies, Academia and the private sector through adequate research into interests and responsibilities of these; •ToR drafting, revision and coordination of drafting and adoption of forest governance mechanisms for FBiH/Cantons and RS with aim to enable forest governance mechanisms to secure biomass fuel supply of end-users; •ToR drafting, review the draft of the biomass energy strategy and Biomass map and ensure a high-quality output; •Coordination of the development of BiH tailored biomass related business models (PPP, JV, ESCO, EPC) including development of a final roadmap and ToR drafting for the study on introducing financial mechanisms for wood biomass projects within Environmental Funds in FBiH and RS; •Coordination of activities between GIZ and UNDP related to updating/revision of Renewable Energy Action Plans (REAP) in the segment of wood biomass; •ToR drafting, coordination activities on identification of policy gaps within the biomass sectors together with GIZ; •Monitoring of the activities related to development of a detailed biomass potential study (country wide) conducted by GIZ and ensure wood biomass inputs of high quality; •ToR drafting, monitoring, reviewing and coordination of the development of guidelines on best practices and recommendations to increase utilization of wood biomass - forestry practices-BAT, operational methods and practices; •Monitoring of the activities related to public campaign on wood biomass utilization and potential in BiH; •ToR drafting of development and delivery of training modules on wood biomass business models and management for the private sector and local communities; •Coordination and monitoring of establishment of Biomass Innovation Centre for private sector representation through existing Biomass Association in BiH.
05.2017. – 02.2018.	GIZ	Consultant	<p>Promotion of Renewable Energy (RE) in BiH Consultant for Coordination and implementation of biomass potential map development</p> <ul style="list-style-type: none"> •Coordination of the entire bioenergy potential study •Advising the international bioenergy expert of GIZ on local biomass energy environment and approach of the biomass potential study •Bioenergy potential study and maps •Support to international consultant for PPP - ESCO (ESC, EPC) case study concept development •Coordination of the entire bioenergy potential study •Coordination of local and international experts on the development of data collection and analysis •Coordinate the inputs of UNDP and GIZ into the study and ensure a coherent approach and implementation •Assist and advice international experts on the quality control of the collected data, identification of data gaps and methodology proposal for (field) research •Organisation of the training on data collection and methodology for local experts with international ones •Organisation of work meetings between local experts and international in BiH •Advice the international bioenergy expert on the overall management of the process •Support to international consultant for selection of 10 innovative technology case studies

PERIOD	COMPANY	POSITION	DESCRIPTION
07.2010. – 04.2016.	CETEOR, funded by EBRD	Project Manager	<p>Projects:</p> <p>EBRD’s Western Balkans, Regional Energy Efficiency Programme (REEP); ESCO & Policy dialogue, ESCO in Bosnia and Herzegovina - Technical assistance in project preparation:</p> <ul style="list-style-type: none"> •Cantonal hospital Zenica •Regional medical centre Mostar •District heating system with cogeneration/CHP Sokolac (Detailed energy auditing of buildings/Feasibility study and tendering procedure for renewable energy source project – biomass with feed in tariff issue) •Assistance in drafting tender documents (pre-qualification requirements, location specifications, etc.) <p>Study-Social and Environmental Impact Assessment for highway Corridor VC-Buna-Počitelj Preparation of documentation Environmental Impact Study with Waste management plan for the highway section; Performed the environmental impact study including assessment all impacts (including social, mitigation measures, and monitoring and economic feasibility study; Public disclosure including Public debates and Stakeholders engagement. The impact of the construction of the Vc corridor on biodiversity through an environmental impact study. Construction of highway Vc, section Kakanj – Biljesevo, Tarcin – Suhodol, Suhodol – Lepenica: Environmental and Waste supervision</p> <p>Feasibility studies Study-Social and Environmental Impact Assessment for highway Corridor VC-Tuzla-Žepče</p> <p>Environmental specialist during Pale District Heating – Feasibility Study</p> <ul style="list-style-type: none"> • Preparation of Social Audit Report • Environmental and Social Analyses of proposed project • Stakeholder Engagement Plan • Investment strategy • Environmental and Social Action Plan, and PR Compliance Report <p>All in accordance with EBRD Environmental and Social Policy.</p> <p>UNDP - Technical expert</p> <ul style="list-style-type: none"> • Analysing energy savings for recommended best techno-economic scenario for 35 public buildings • conducting baseline and future GHG emission calculation for 35 public buildings • Providing detailed report on findings <p>Work experience on buildings that had asbestos. Issuing guidelines for removal and replacement.</p>
2009. – 2011.	University of Sarajevo	Guest Teaching Speaker	Energy efficiency and renewable energy topics

Publications:

- m-KVADRAT magazine "Optimization of industrial processes through energy efficiency measures"
- m-KVADRAT magazine "Real estate market and Energy Efficiency"
- m-KVADRAT magazine "New regulations and energy efficiency requirements for construction and real estate transactions in FBiH"
- m-KVADRAT magazine "Influence of thermal insulation materials on cost optimal level according to the EED - Energy Efficiency Directive"
- m-KVADRAT magazine "**Importance of strategic approach of energy and mobility planning in green cities**"
- m-KVADRAT magazine "Renewable Energy Community based models and energy cooperatives"
- Renewable sources of energy in Bosnia and Herzegovina/ issue of (un)sustainability, Balkan Green Energy News The Bosnian-Herzegovinian American Academy of Arts and Sciences (BHAAAS) in cooperation with Development, Promotions and Advanced Technologies Applications Society (DnT); "The effects of the measuring and consumption of thermal energy-based billing system in district heating systems of Bosnia and Herzegovina"
- m-KVADRAT magazine correspondent on behalf of Austrotherm: "Energy efficiency trends in residential and public sector"
- m-KVADRAT magazine "COP 21 FOCUS in PARIS Energy efficiency marked as crucial to mitigate climate change ESCO pilot projects in BiH - 4th Bioenergy Week 21-24 May 2016 Budapest
- Proceedings 5th Industrial energy and environmental protection in South-eastern Europe "Legislation and funding models for energy efficiency in BiH - Case Study"
- ICREPS 16, Proceedings 4th International Conference on Renewable Electrical Power Sources "Potentials for energy cooperatives in Bosnia and Herzegovina", 2016
- ICREPS 16, Proceedings 4th International Conference on Renewable Electrical Power Sources "Analysis of the biomass organic Rankine cycle cogeneration hospitals application", 2016
- ASK magazine "Energy efficiency"
- Energy efficiency activities in BiH - Overview Barriers Potentials "Policy dialogue and TA assignments for ESCO models"
- Z&S Adria magazine "EU directives in the field of energy efficiency implemented in national legislation of FBiH in buildings "
- m-KVADRAT magazine "Activities to increase energy efficiency in public buildings BH - sources of funding and project documentation"
- Proceedings 4th Energy Council of Bosnia and Herzegovina "The importance of establishing a grid emission factor of electricity in BiH"
- Proceedings 4th Energy Council of Bosnia and Herzegovina" The results of energy audits, energy certification and implementation energy efficiency measures in public and (non)residential sector of Bosnia and Herzegovina"
- m-KVADRAT magazine "Benefits of implementing energy efficiency measures in the public and housing sector of the BiH"
- m-KVADRAT magazine "The implementation and results of the energy audit in the buildings and classification of objects in energy classes"
- m-KVADRAT magazine "The importance of using energy efficiency windows"
- Proceedings 3rd Energy Council of Bosnia and Herzegovina " The impact of Carbon Intensity of development individual electricity companies in B&H "
- Bulletin of the Association BH GAS "Consumption of natural gas in the Canton of Sarajevo"