

ABEL MEKONNEN



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1. Profession:	Environmental Expert		
2. Level:	Senior		
3. Expertise:	<ul style="list-style-type: none"> Hydrologist /Water and Energy Use Expert/ Air-Quality and Noise Level Specialist /Environmental Pollution Analyst Expert/ GIS and Remote Sensing Expert 		
4. Full Name:	Abel Mekonnen Gebretsadik		
5. Name of Firms:	Mid-Day International Consulting Engineers TS Environment Technology P.L.C		
6. Date of Birth:	October 12, 1991		
7. Nationality:	Ethiopian		
8. Education:			
June, 2014	B.Sc. in Hydraulic and Water Resources Engineering, Arba Minch University.		
9. Certifications and Trainings:			
2025	Environmental and Social Impact Assessment Consultancy Certificate of Competence as <i>Senior Water and Energy Use Expert</i> ; FDRE Environmental Protection Authority, Addis Ababa.		
2025	Environmental and Social Impact Assessment Consultancy Certificate of Competence as <i>Senior Environmental Pollution Analyst Expert</i> ; FDRE Environmental Protection Authority, Addis Ababa.		
2020	Certificate of competency category of senior consultant in Environmental and Social impact assessment studies, Addis Ababa.		
2015	Certificate of Completion on Environmental Impact Assessment (EIA) training, Addis Ababa		
2015	Training on GIS and Remote Sensing, Addis Ababa		
2016	Certificate on ISO 9001/2015 – Quality Management System, Addis Ababa		
2017	Trained on Implementation of ISO/IEC 17025 – General Requirements for the Competence of Testing and Calibration Laboratories, Addis Ababa		
10. Countries of Work Experience:	Ethiopia		
11. Languages:			
	Speaking	Reading	Writing
English	Excellent	Excellent	Excellent
Amharic	Excellent	Excellent	Excellent
Afan Oromo	Excellent	Good	Good
12. Employment Record:			
From Sept. 2019	To: Oct. 2025		
<i>Employer:</i>	Mid-Day International Consulting Engineers		
<i>Position Held:</i>	GIS & Remote Sensing Expert		
From: Sept. 2014	To: Sept. 2019		
<i>Employer:</i>	TS Environment Technology Plc		
<i>Position Held:</i>	GIS & Remote Sensing Expert		

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13. Detailed Duties and Responsibilities Assigned

As Hydrologist /Water and Energy Use Expert/:

- Implement relevant national regulations, IFC and WHO standards, and international best practices for hydrological studies, water quality tests, and reports.
- Collect, record, and evaluate historical climatological data of the project area prior to use for hydrological analysis and modelling. And also collect and evaluate stream flow data of rivers and streams in/close to the project area from previous records and use as an input for hydrological modelling.
- Conduct on-site stream flow data and water samples collection. Test physical, chemical, and microbiological parameters of water quality on-site and in water quality laboratory. Investigate factors affecting acidity, nitrate levels or other diffuse pollution of surface water.
- Delineate individual watershed areas or local catchments for streams and drainage lines located in the projects impact area. And estimate water yields, taking into account the utilization of water in a specific natural drainage area (catchment).
- Assess the relationship between rainfall, run off, and soil and rock features for the catchment. And assist in the planning of water resource management and monitoring plans by forecasting and monitoring water usage and rainfall.
- Work with specifically-designed computer modelling packages (WETSPASS, MODFLOW, ...) to assess the most effective methods of managing available water in a particular area and analyze the projects' environmental impact on water resources.
- Undertake hydrological modelling to allow the development of flood forecasting and management strategy. Apply appropriate hydrological and statistical techniques to water resource modelling and analysis.
- Conduct interviews with local residents in the project impact area regarding flood history of the waterway to include flood height, duration, and frequency in hydrological reports. And liaise with specialists, consultants and clients.

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14. Detailed Duties and Responsibilities Assigned

As Air-Quality and Noise Level Specialist /Environmental Pollution Analyst Expert/:

- Review permit applications and evaluate regulatory compliance with respect to national legislations, international best practices and IFC and WHO standards. Conduct desk-based studies to assess local air quality and noise/acoustic sources near to the proposed projects.
- Plan and perform site visits and field work at project locations to measure and characterize existing air quality and noise conditions. Travel to and perform site visits and field work as a project requires and in a variety of locations, including urbanized areas, industrial areas, rural areas, and remote areas. Use and calibrate (setting-up) air quality and noise level sampling equipment and ensure that correct measurements are taken.
- Prepare noise-level and air-emission inventories, organize and interpret data from monitoring sites, and conduct impact assessment analysis to measure air quality and noise level of the environment. Produce technical reports on site survey results and recommend changes based on laboratory test results.
- Make models of air pollution and how it disperses in the atmosphere using software such as AERSCREEN, AERMOD and DMRB. Conduct noise/acoustic modeling for project-related noise impacts using sound propagation modeling such as: RCNM, TNM, and SoundPLAN. And use Geographic Information Systems (GIS) to map the results of these modeling.
- Analysis of environmental documents and impact analysis for baseline environmental studies and Environmental Impact Reports. Conduct environmental impact assessments (EIAs) and Environmental Management Plans. Develop appropriate mitigation measures to reduce air quality and noise impacts of a project when necessary. Help to develop plans for carbon foot printing and evaluate ventilation and air supply systems in industries to ensure indoor air is safe.
- Work both independently and in a highly collaborative environment. Communicate with a range of agencies, consultants, engineers and experts to produce reports. Coordinate with public agencies and travel to and attend hearings which may occur on weekday nights and weekends. Train and mentor junior staffs in the technical aspects of environmental air quality and noise impact assessment studies.

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15. Detailed Duties and Responsibilities Assigned

As GIS and Remote Sensing Expert:

- Collect, generate and manage spatial data at project, regional and global scales. Conduct spatial analyses and produce maps to meet reporting requirements. And visit project sites for mapping and to collect ground-truthing data.
- Technical assessment and identification of the most suitable satellite imagery and geospatial datasets to support the needs of environmental impact studies, environmental monitoring systems, land cover and land use assessments, climate change and adaptation, and disaster risk reduction.
- Conduct geospatial data preparation for image pre-processing of satellite data, including mosaic, stacking, atmospheric corrections, object-based-image-analysis (OBIA) for segmentation and classification of land cover datasets.
- Contribute to the development of high-resolution land cover datasets according to the LCML/LCCS ISO standard specifications, including validation and accuracy assessments.
- Prepare technical and scientific reports, papers and guidelines describing the activities, results, conclusions and recommendations on the process and results. And disseminate the geospatial data and metadata produced, in the various media formats (e.g. digital and paper atlas, map layouts, posters).
- Provide support for assessing and monitoring of natural resources using geospatial technologies (biodiversity, landscape, ecosystems services). Provide technical support to other specialists for assessing the environmental and social impacts, mitigation measures identification, monitoring plans and management systems preparation.
- Support the development of area frame methodology, integrated area and list frame methodologies for environmental monitoring systems, including stratification, selection of sites for field data collection/validation.
- Support the capacity development plans on geospatial technologies, including preparation of training and workshop material, preparation of information for meeting and conferences.

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Name of Assignment / Project: Period / Year: Location: Client: Main Project Features: Position Held: Activities Performed:	<p>Aysha I 300MW Wind Farm Project – ESIA Study.</p> <p>May, 2025 – September, 2025</p> <p>Somali Region, Ethiopia</p> <p>AMEA Power Africa Developments</p> <p>The project is located in Somali Regional State in Aysha Woreda which is found in Sitti Administrative Zone. It consists of the construction of 39 wind turbines with 300 MW power production capacity and located in about 5 km from the Aysha town which is Woreda administrative town. The area of interest that is available for its development is around 84.46km².</p> <p>GIS and Remote Sensing Expert</p> <p>Preparing recent and professional <i>administrative location map, geological map, elevation & contour map, soil map, hydrogeological map, drainage lines map, land use land cover map, river basin & local catchments map, protected areas location maps, relief map, and surface elevation profile map</i>; Interpreting the prepared maps and organizing the data to use it for the ESIA report. And preparing <i>noise propagation modeling maps</i> for Noise Impact Assessment Report.</p>
Name of Assignment / Project: Period / Year: Location: Client: Main Project Features: Position Held: Activities Performed:	<p>Aysha I 300MW Wind Farm Project – ESIA Study.</p> <p>May, 2025 – September, 2025</p> <p>Somali Region, Ethiopia</p> <p>AMEA Power Africa Developments</p> <p>The project is located in Somali Regional State in Aysha Woreda which is found in Sitti Administrative Zone. It consists of the construction of 39 wind turbines with 300 MW power production capacity and located in about 5 km from the Aysha town which is Woreda administrative town. The area of interest that is available for its development is around 84.46km².</p> <p>Noise Specialist</p> <p>Review permit applications and evaluate regulatory compliance with respect to national legislations, international best practices and IFC and WHO standards. Conduct desk-based studies to assess local noise/acoustic sources near to the proposed project area. Plan and perform site visits and field work at project locations to measure and characterize existing noise conditions. Travel to and perform site visits and field work. Use and calibrate (setting-up) noise level sampling equipment and ensure that correct measurements are taken. Prepare noise-level and air-emission inventories, organize and interpret data from monitoring sites, and conduct impact assessment analysis to measure noise level of the environment. Conduct noise/acoustic modeling for project-related noise impacts using sound propagation modeling such as: RCNM, TNM, GRASS GIS, and SoundPLAN. And use Geographic Information Systems (GIS) to map the results of these modeling. Analysis of environmental noise documents and noise impact analysis for baseline environmental noise study. Conduct noise impact assessments and develop appropriate mitigation measures to reduce noise impacts of the project.</p>

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Name of Assignment / Project: Period / Year: Location: Client: Main Project Features: Position Held: Activities Performed:	Addis Ababa Power Transmission Lines Rehabilitation and Upgrading Project – ESIA and RAP studies. October, 2024 – May, 2025 Addis Ababa, Ethiopia Ethiopian Electric Power (EEP) & World Bank (WB) In this project, the transmission line sections Black Lion-Gofa Underground TL, Gofa-Kality I overhead TL, and Weregenu-Cotobie underground TL are studied. substations targeted for the expansion and rehabilitation study are Addis Center substation (an important station in the Addis Ababa power system which transmits to the central region of Addis Ababa city), Addis North substation in the northern region of the city, and Weregenu substation in the eastern region of the city. GIS and Remote Sensing Expert Preparing recent and professional <i>administrative location map, geological map, elevation & contour map, soil map, hydrogeological map, drainage lines map, land use land cover map, river basin & local catchments map, protected areas lo- cation map, relief map, and surface elevation profile map</i> ; Interpreting the prepared maps and organizing the data to use it for the ESIA & RAP reports.
Name of Assignment / Project: Period / Year: Location: Client: Main Project Features: Position Held: Activities Performed:	ESIA and RAP studies for Bale Robe II 132kV, Bensa Daye 132kV and Jimma II-Limu Genet 132kV transmission lines & substation projects. September, 2024 – April, 2025 Oromia, and Sidama Regions, Ethiopia Ethiopian Electric Power (EEP) & World Bank (WB) The project involves the construction of substations and three 132kV transmission line projects. The projects are a part of Transmission Network Strengthening and Expansion program (PRIME-1). GIS and Remote Sensing Expert Preparing recent and professional <i>administrative map, geological, elevation & contour map, soil map, hydrogeological map, drainage lines map, land use land cover map, relief map, and surface elevation profile map</i> ; Interpreting the prepared maps and organizing the data to use it for the ESIA & RAP reports.
Name of Assignment / Project: Period / Year: Location: Client: Position Held: Activities Performed:	Corbetti Geothermal Well Pads Drilling Project – <i>Hydrology and Biodiversity Study</i> September, 2017 Oromia Region, Ethiopia Corbetti Geothermal Hydrologist Collect, record, and evaluate historical climatological data of the project area prior to use for hydrological analysis and modelling. And also collect and evaluate stream flow data of rivers and streams in/close to the project area from previous records (and also on site) and use as an input for hydrological modelling. Delineate individual watershed areas or local catchments for streams and drainage lines located in the projects impact area. And estimate water yields, taking into account the utilization of water in a specific natural drainage area (catchment). Work with specifically-designed computer modelling packages (WETSPASS) to assess the most effective methods of managing available water in a particular area and analyze the projects' environmental impact on water resources. Undertake hydrological modelling to allow the development of flood forecasting and management strategy.

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Name of Assignment / Project: Period / Year: Location: Client: Position Held: Activities Performed:	Aluto Langanu Geothermal Well Pads Drilling Project – <i>Environment and Social Management System (ESMS)</i> December, 2019 <i>Oromia Region, Ethiopia</i> Ethiopian Electric Power (EEP) Environmentalist /Hydrologist Collect, record, and evaluate historical climatological data of the project area prior to use for hydrological analysis and modelling. And also collect and evaluate stream flow data of rivers and streams in/close to the project area from previous records and use as an input for hydrological modelling. Implement relevant national regulations, IFC and WHO standards, and international best practices for hydrological studies, water quality tests, and reports. Delineate individual watershed areas or local catchments for streams and drainage lines located in the project impact area. Estimate water yields, taking into account the utilization of water in a specific natural drainage area (catchment). Assess the relationship between rainfall, run off, and soil and rock features for the catchment. And assist in the planning of water resource management and monitoring plans by forecasting and monitoring water usage and rainfall.
Name of Assignment / Project: Period / Year: Location: Client: Main Project Features: Position Held: Activities Performed:	Social Development Plan (SDP) for Agro-pastoralist Communities, Downstream of Gibe III and Koyscha Hydropower Development Projects. January, 2023 – June, 2023 South Omo Zone, Ethiopia Ethiopian Electric Power (EEP) The project is intended to prepare an actionable plan to restore livelihoods, improve income earning capacities and overall well-being of agro-pastoralist communities whose lives and livelihoods are adversely impacted by the construction of Gibe III and Koyscha Hydropower Development Projects which permanently altered the annual flood cycle of the Omo River – major source of livelihood for downstream communities. GIS and Remote Sensing Expert Preparing recent and professional <i>administrative location map, geological map, elevation & contour map, soil map, hydrogeological map, drainage lines map, land use land cover map, river basin & local catchments map, protected area's location map, relief map, and surface elevation profile map</i> ; Interpreting the prepared maps and organizing the data to use it for the RAP report.
Name of Assignment / Project: Period / Year: Location: Client: Main Project Features: Position Held: Activities Performed:	ESIA and RAP studies for Woliso 230kV, Haromaya-Chelenko 132kV and Arsi-Robe-Hetosa 132kV transmission lines & substation projects. November, 2023 – May, 2024 Oromia Region, Ethiopia Ethiopian Electric Power (EEP) & World Bank (WB) The project involves the construction of substations and 132 to 230kV transmission line projects. The projects are a part of Transmission Network Strengthening and Expansion program (PRIME-1). GIS and Remote Sensing Expert Preparing recent and professional <i>administrative location map, geological map, elevation & contour map, soil map, hydrogeological map, drainage lines map, land use land cover map, river basin & local catchments map, protected area's location map, relief map, and surface elevation profile map</i> ; Interpreting the prepared maps and organizing the data to use it for the ESIA & RAP reports.

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16. Projects Undertaken that Best Illustrates Capability to Handle the Responsibilities Assigned:	
Name of Assignment / Project: Period / Year: Location: Client: Main Project Features: Position Held: Activities Performed:	Ethio-Kenya 500KV Transmission Line Project: Environmental, Social, Health and Safety Compliance Audit. August, 2023 – November, 2023 Oromia & Southern Nations, Nationalities, and Peoples Regions, Ethiopia Ethiopian Electric Power (EEP), World Bank (WB), and African Development Bank (AfDB) Environmental, Social, Health and Safety Compliance Audit for Ethio-Kenya 500KV Transmission Line Project covering about 500km of the Ethiopian section. GIS and Remote Sensing Expert Preparing recent and professional <i>administrative location map, geological map, elevation & contour map, soil map, hydrogeological map, drainage lines map, land use land cover map, river basin & local catchments map, protected areas location map, relief map, and surface elevation profile map</i> ; Interpreting the prepared maps and organizing the data to use it for the Audit report.
Name of Assignment / Project: Period / Year: Location: Client: Position Held: Activities Performed:	Tobacco Manufacturing Industry – <i>Environmental and Social Impact Assessment (ESIA) study</i> February, 2021 Addis Ababa, Ethiopia National Tobacco Enterprise (NTE) Air-Quality & Noise Specialist, and GIS & Remote Sensing Expert Observing and collecting data on site that are important to prepare maps necessary for the ESIA study; Preparing recent and professional <i>location map</i> for biodiversity study; and Presenting air quality and noise level impact assessment study modelling results by preparing <i>dispersion modelling maps</i> as part of the ESIA report. Preparing recent and professional <i>administrative location map, geological map, elevation & contour map, soil map, hydrogeological map, drainage lines map, land use land cover map, river basin & local catchments map, protected area's location map, relief map, and surface elevation profile map</i> ; Interpreting the prepared maps and organizing the data to use it for the ESIA report.
Name of Assignment / Project: Period / Year: Location: Client: Main Project Features: Position Held: Activities Performed:	Preparation of RAP & ESIA for Degehabur-Birkod-Kebridehar 132 kV TL & Substation (SS) Project. November, 2022 – May, 2024 Somali Region, Ethiopia Ethiopian Electric Power (EEP) The proposed Power TL is an expanding 132 kV network from Degehabur to Kebridehar through constructing 77.16 km, single circuit 132 kV TL from existing Degehabur SS to Birkod SS & constructing 129.02 km, single circuit 132 kV TL from existing Kebridehar to the new Birkod SS. GIS and Remote Sensing Expert Preparing recent and professional <i>constraint map, administrative location map, geological map, elevation & contour map, soil map, hydrogeological map, drainage lines map, land use land cover map, facilities and infrastructures location map, river basin & local catchments map, protected area's location map, relief map, and surface elevation profile map</i> ; Interpreting the prepared maps and organizing the data for ESIA&RAP reports.

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Name of Assignment / Project: Period / Year: Location: Client: Main Project Features: Position Held: Activities Performed:	IFC Debre Berhan Wind Farm Project – <i>Constraint Map Preparation and Scoping Report</i> February, 2022 – February, 2023 Amhara Region, Ethiopia International Finance Corporation (IFC) The Project is located in Angolelana Tera and Asagert Woredas in North Shoa Zone of Amhara Regional State. It is 130km far from the capital Addis Ababa in the northern direction. The Project area is about 209 sq. km. GIS and Remote Sensing Expert Conducting project site visit to collect GPS coordinates of facilities, infrastructures, and features exist in the Project area. Capturing photos of all facilities, infrastructures, and features exist in the Project area during site visit; Observing and collecting data on site that are important to prepare maps necessary for the scoping report; Preparing recent and professional maps which are necessary.
Name of Assignment / Project: Period / Year: Location: Client: Position Held: Activities Performed:	Aluto Langano Geothermal Well Pads Drilling Project – <i>Air-Quality and Noise Impact Assessment Study</i> October, 2019 Oromia Region, Ethiopia Ethiopian Electric Power (EEP) Air-Quality & Noise Specialist Observing and collecting data on site that are important to prepare maps necessary for the ESIA study; Preparing recent and professional location map for biodiversity study; and Presenting air quality and noise level impact assessment study modelling results by preparing dispersion modelling maps as part of the ESIA report.
Name of Assignment / Project: Period / Year: Location: Client: Main Project Features: Position Held:	Preparation of RAP & ESIA for Hurso-Harar IV-Jigjiga II 400KV Transmission Line (TL) and Substation Project. November, 2022 – June, 2025 Oromia, Diredawa & Somali Regions, Ethiopia Ethiopian Electric Power (EEP) The proposed Power TL is 400 kV network from Hurso-Harar-Jigjiga. The project includes three existing substations at Hurso, Harar & Jigjiga and Construction of three substations at Harar, Jigjiga and Fafen. GIS and Remote Sensing Expert
Name of Assignment / Project: Period / Year: Location: Client: Main Project Features: Position Held: Activities Performed:	IFC Aysha III Wind Farm Project – <i>Seasonal Dwellers Locations Survey</i> January, 2022 – August, 2022 Somali Region, Ethiopia International Finance Corporation (IFC) The Project is located in Aysha Woreda Sitti Zone of Ethiopian Somali Regional State. The main objective of the survey is to collect information about seasonal dwellers settled in the Project Area and capture any evolving issues pertaining to migration of seasonal dwellers in and around the Project site. GIS and Remote Sensing Expert Managing and coordinating the Project site survey for a total of 13 days; Obtaining detailed information on seasonal dwellers including GIS coordinates of their settlements, photo documentation, the number of dwellings, the number of household members, and size of livestock owned; Obtaining information on different aspects of seasonal migration; and Preparing re- port on the seasonal dwellers' locations survey.

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Name of Assignment / Project: Period / Year: Location: Client: Main Project Features: Position Held: Activities Performed:	IFC Aysha III Wind Farm Project – <i>Constraint Map Preparation and Scoping Report</i> October, 2021 – January, 2022 Somali Region, Ethiopia International Finance Corporation (IFC) The Project is located in Aysha Woreda Sitti Zone of Ethiopian Somali Regional State. The Project area is about 290 sq. km and the wind turbines will have 150m height. GIS and Remote Sensing Expert Conducting project site visit to collect GPS coordinates of facilities, infrastructures, and features exist in the Project area. Capturing photos of all facilities, infrastructures, and features exist in the Project area during site visit; Observing and collecting data on site that are important to prepare maps; Preparing recent and professional <i>constraint map, location maps, geological map, elevation & contour map, soil map, hydrogeological map, drainage lines map, land use land cover map, facilities and infrastructures location map, relief map, and surface elevation profile map</i> ; Interpreting the prepared maps and organizing the data for the scoping report.
Name of Assignment / Project: Period / Year: Location: Client: Main Project Features: Position Held: Activities Performed:	Expansion of Electricity Grid in Ethiopia – <i>RAP Studies for 12 different Power Transmission Projects</i> January, 2021 – June, 2021 In all Regions, Ethiopia Ethiopian Electric Power (EEP) This Project consists of 12 different electricity power transmission projects throughout the whole in the package called 'Expansion of Electricity grid in Ethiopia'. These twelve Power Transmission Lines projects have the capacity of 132KV S/C, 230KV S/C, 230KV D/C, and 400KV D/C. GIS and Remote Sensing Expert Preparing recent and professional <i>administrative location map, geological map, elevation & contour map, soil map, hydrogeological map, drainage lines map, land use land cover map, river basin & local catchments map, protected areas lo- cation map, relief map, and surface elevation profile map</i> ; Interpreting the prepared maps and organizing the data to use it for the RAP report.
Name of Assignment / Project: Period / Year: Location: Client: Main Project Features: Position Held: Activities Performed:	Assela 100MW Wind Farm Project – <i>RAP Study</i> December, 2019 – July, 2020 Oromia Region, Ethiopia Ethiopian Electric Power (EEP) The Project is located in Hetosa Woreda Oromia Region of Ethiopia. The Project area is about 290 sq. km and the wind turbines will have 150m height. GIS and Remote Sensing Expert Preparing recent and professional <i>administrative location map, geological map, elevation & contour map, soil map, hydrogeological map, drainage lines map, land use land cover map, river basin & local catchments map, protected areas location map, relief map, and surface elevation profile map</i> ; Interpreting the prepared maps and organizing the data to use it for the RAP report.

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Name of Assignment / Project: Period / Year: Location: Client: Main Project Features: Position Held: Activities Performed:	Expansion of Electricity Grid in Ethiopia – <i>ESIA Studies for 12 different Power Transmission Projects</i> January, 2020 – September, 2020 In all Regions, Ethiopia Ethiopian Electric Power (EEP) This Project consists of 12 different electricity power transmission projects throughout the whole in the package called 'Expansion of Electricity grid in Ethiopia'. These twelve Power Transmission Lines projects have the capacity of 132KV S/C, 230KV S/C, 230KV D/C, and 400KV D/C. GIS and Remote Sensing Expert Preparing recent and professional <i>administrative location map, geological map, elevation & contour map, soil map, hydrogeological map, drainage lines map, land use land cover map, river basin & local catchments map, protected areas location map, relief map, and surface elevation profile map</i> ; Interpreting the prepared maps and organizing the data to use it for the ESIA & RAP reports.
Name of Assignment / Project: Period / Year: Location: Client: Main Project Features: Position Held: Activities Performed:	AGP Poultry Sodo Zuriya Woreda Project – <i>Environmental and Social Impact Assessment (ESIA) Study</i> August, 2022 Southern Nations, Nationalities & Peoples Region, Ethiopia AGP Poultry (EthioChicken) AGP Poultry was launched in 2010 with a vision to provide one chicken per person per year through smallholder farmers. The project area is located about 15 km southwest of the Zonal administrative center, Wolaita Sodo town. Sodo is located about 328 km south of Addis Ababa. The project area is in Sodo Zuria Woreda of Wolaita Zone of Southern Nations, Nationalities, and Peoples regional state. GIS and Remote Sensing Expert Conducting project site visit to collect GPS coordinates of facilities, infrastructures, and features exist in the Project area. Capturing photos of all facilities, infrastructures, and features exist in the Project area during site visit; Observing and collecting data on site that are important to prepare maps necessary for the ESIA report; Preparing recent and professional <i>administrative location map, geological map, elevation & contour map, soil map, drainage lines map, land use land cover map, facilities and infrastructures location map, river basin & local catchments map, relief map, and surface elevation profile map</i> .
Name of Assignment / Project: Period / Year: Location: Client: Main Project Features: Position Held: Activities Performed:	Kurmuk Gold Project Biodiversity Study - <i>Natural Resource Use (NRU) reconnaissance study</i> February, 2022 Benishangul Gumuz Region, Ethiopia Allied Corps The project is in north-west Ethiopia in the Benishangul-Gumuz National Regional State. The project is located within the Asosa zone, which is further divided into woredas (districts) and kebeles (neighborhoods/ wards). The power line traverses three woredas and 17 kebeles. GIS and Remote Sensing Expert Observing and collecting data on site that are important to prepare maps necessary for the biodiversity and NRU study; Preparing recent and professional <i>habitats classification map</i> for biodiversity study; and <i>maps</i> that present the findings of NRU study.

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Name of Assignment / Project: Period / Year: Location: Client: Position Held: Activities Performed:	Akobo Primary Gold Exploration Project – <i>Environmental and Social Impact Assessment (ESIA) study</i> October, 2021 Gambela Region, Ethiopia Ethno Mining P.L.C Air-Quality & Noise Specialist, and GIS & Remote Sensing Expert Conducting project site visit to collect GPS coordinates of facilities, infrastructures, and features exist in the Project area. Capturing photos of all facilities, infrastructures, and features exist in the Project area during site visit; Observing and collecting data on site that are important to prepare maps necessary for the ESIA report; Preparing recent and professional <i>administrative location map, geological map, elevation & contour map, soil map, drain- age lines map, land use land cover map, facilities and infrastructures location map, river basin & local catchments map, relief map, and surface elevation profile map</i> ; Presenting air quality and noise level impact assessment study modelling results by preparing <i>dispersion modelling maps</i> as part of the ESIA report.
Name of Assignment / Project: Period / Year: Location: Client: Position Held: Activities Performed:	2D Seismic study – Environmental and Social Impact Assessment (ESIA) study August, 2020 Afar Region, Ethiopia GPB Ethiopia GIS and Remote Sensing Expert Conducting project site visit to collect GPS coordinates of facilities, infrastructures, and features exist in the Project area. Ob- serving and collecting data on site that are important to prepare maps necessary for the ESIA report; Preparing recent and professional <i>administrative location map, geological map, elevation & contour map, soil map, drainage lines map, land use land cover map, facilities and infrastructures location map, river basin & local catchments map, relief map, and surface elevation profile map</i> ; Presenting air quality and noise level impact assessment study modelling results by preparing <i>dispersion modelling maps</i> as part of the ESIA report.
Name of Assignment / Project: Period / Year: Location: Client: Position Held: Activities Performed:	Dallol Potash Project – <i>Environmental Management Performance Report (EMPR)</i> April, 2020 Afar Region, Ethiopia Dallol Potash B.V. GIS and Remote Sensing Expert Preparing recent and professional <i>administrative location map, geological map, elevation & contour map, soil map, drainage lines map, land use land cover map, facilities and infrastructures location map, river basin & local catchments map, rainfall isohyetal map, mean minimum and maximum temperature map, and wind rose map</i> for the project area.

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mekonnengebretsadikabel@gmail.com[linkedin.com/Abel Mekonnen](https://www.linkedin.com/Abel-Mekonnen)**16. Projects Undertaken that Best Illustrates Capability to Handle the Responsibilities Assigned:**

Name of Assignment / Project:	Cardiac Care Centre (Tikur Anbessa Specialized Hospital, TASH) Construction Project – <i>Air-Quality, Noise, and Vibration Baseline Study</i>
Period / Year:	April, 2019
Location:	Addis Ababa, Ethiopia
Client:	Phillips Health Care B.V.
Position Held:	Air-Quality & Noise Specialist
Name of Assignment / Project:	2D Seismic Project – <i>ESIA Study</i>
Period / Year:	August, 2018
Location:	Afar Region, Ethiopia
Client:	GPB ETHIOPIA
Position Held:	Environmental Expert /Hydrologist, Air-Quality & Noise Level Specialist, and GIS & Remote Sensing Expert/
Name of Assignment / Project:	Tulu Moya Geothermal Well Pads Drilling Project – <i>Air Quality and Noise Level Impact Assessment Study</i>
Period / Year:	October, 2018
Location:	Oromia, Ethiopia
Client:	Tulu Moya Geothermal
Position Held:	GIS and Remote Sensing Expert
Activities Performed:	Presenting air quality and noise level impact assessment study modelling results by preparing <i>dispersion modelling maps</i> as part of the ESIA report.
Name of Assignment / Project:	Corbetti Geothermal Well Pads Drilling Project – <i>Air Quality and Noise Level Impact Assessment Study</i>
Period / Year:	May, 2018
Location:	Oromia, Ethiopia
Client:	Corbetti Geothermal
Position Held:	Air-Quality & Noise Level Specialist
Name of Assignment / Project:	Oil Exploration Wells Drilling Project – <i>Hydrology and Biodiversity Baseline Study</i>
Period / Year:	March, 2018
Location:	Southern Nations, Nationalities, and Peoples Region, Ethiopia
Client:	Africa Oil B.V.
Position Held:	GIS and Remote Sensing Expert
Activities Performed:	Preparing recent and professional <i>administrative location map, geological map, elevation & contour map, soil map, drainage lines map, land use land cover map, facilities and infrastructures location map, river basin & local catchments map, relief map, surface elevation profile map; and Biodiversity Habitats Classification map.</i>
Name of Assignment / Project:	Oil Exploration Wells Drilling Project – <i>Air-Quality Impact Assessment Study</i>
Period / Year:	April, 2018
Location:	Southern Nations, Nationalities, and Peoples Region, Ethiopia
Client:	Africa Oil B.V.
Position Held:	Air-Quality Specialist
Name of Assignment / Project:	Aluminum Extrusion Industry – <i>ESIA Study</i>
Period / Year:	August, 2017
Location:	Oromia Region, Ethiopia
Client:	Haile Selase Ambaye Industrial P.L.C.
Position Held:	Environmentalist /Hydrologist

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Name of Assignment / Project: Period / Year: Location: Client: Position Held:	Edible Oil Manufacturing Industry – <i>ESIA Study</i> October, 2017 <i>Oromia Region, Ethiopia</i> Haile Selase Ambaye Industrial P.L.C. Environmentalist /Hydrologist
Name of Assignment / Project: Period / Year: Location: Client: Position Held:	Corbetti Geothermal Well Pads Drilling Project – <i>Hydrology and Biodiversity Study</i> November, 2017 <i>Oromia Region, Ethiopia</i> Corbetti Geothermal GIS and Remote Sensing Expert
Name of Assignment / Project: Period / Year: Location: Client: Position Held:	Environmental Audit Study on 10 Gas Stations of Total Ethiopia November, 2016 In different Regions, Ethiopia Total Ethiopia S.C. Environmentalist /Hydrologist
Name of Assignment / Project: Period / Year: Location: Client: Position Held:	Environmental Audit Study on 15 Gas Stations of YBP Ethiopia July, 2016 In different Regions, Ethiopia YBP Ethiopia S.C. Environmentalist /Hydrologist
Name of Assignment / Project: Period / Year: Location: Client: Position Held: Activities Performed:	Dish Mountain Gold Mining Project – <i>ESIA Study</i> March, 2016 <i>Benishangul Gumuz Region, Ethiopia</i> ASCOM Mining Assistant Air-Quality Specialist Review permit applications and evaluate regulatory compliance with respect to national legislations, international best practices and IFC and WHO standards. Conduct desk-based studies to assess local air quality near to the proposed project area. Plan and perform site visits and field work at project location to measure and characterize existing air quality conditions. Use and calibrate (setting-up) air quality sampling equipment and ensure that correct measurements are taken. Prepare air-emission inventories, organize and interpret data from monitoring sites, and conduct impact assessment analysis to measure air quality of the environment. Produce technical reports on site survey results and recommend changes based on laboratory test results.
Name of Assignment / Project: Period / Year: Location: Client: Position Held:	Calub-Hilala Gas Project – <i>Environmental and Social Impact Assessment (ESIA) Study</i> February, 2017 <i>Somali Region, Ethiopia</i> Poly-GCL Ethiopia Hydrologist
Name of Assignment / Project: Period / Year: Location: Client: Position Held:	Calub-Hilala Gas Project – <i>Environmental and Social Impact Assessment (ESIA) Study</i> February, 2017 <i>Somali Region, Ethiopia</i> Poly-GCL Ethiopia GIS and Remote Sensing Expert