

Furthermore, ENV Services Limited is supporting development of long-term environmental databases for Tanzania through its Higher Education Science Research Support (HESRS) program. Main areas of research in this program are in air quality, water quality and waste.

### Other Services Offered by ENV

ENV is conversant with technical work in the following areas:

- Technical services (engineering)
- Technical and office supplies
- Energy services
- Training



Other Services

**ENV** *ENV Services Limited*  
Green technologies and solutions

## ENV Services Limited

Incorporating the Environmental and Energy Laboratory  
The only Laboratory with Hot Flue Dust (PM) Sampler in Tanzania,  
East and Central Africa Region

## ENV Services Limited

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*Hot flue dust (PM) sampler: Specialized equipment for particulate matter measurement from cement industry stacks, and flue gases from electrical generators, boilers and motor vehicles*

### Environmental Services Offered

- Environmental and social impact assessments (ESIA)
- Environmental auditing
- Physical, chemical and biological materials analysis

### Experience in Environmental and Social Impact Assessment and Environmental Auditing

ENV was directly involved in environmental services to the following sectors in the East Africa region:

- Mining (gold and copper)
- Cement factories
- Road construction
- Mobile phone communication towers (masts)
- Electrical substations
- Industries (pharmaceuticals, cosmetics, beverages, breweries, iron smelting, footwear, tobacco, sugar)
- Agricultural processing (instant coffee, cotton, edible oil, tea)
- Electrical generators (natural gas, HFO, and diesel)
- Service industry (hospitals, hotels)
- Forestry (modern charcoal processing)
- Petroleum (petrol stations and depots)
- Iron and steel rolling mills



Experience in Environmental and Social Impact Assessment and Environmental Auditing

### ENV Laboratories Key Equipment

Some important equipment with ENV Laboratories are:

- Hot flue dust (PM) sampler (VSS1)
- Combustion gas analyzer (models KANE 900PLUS and TESTO)
- Ambient air quality-dust sampler (Micro dust pro)
- Ambient air quality- gas analyzer (GMI VISA, Draeger pump and tubes)
- Sound/noise meter
- Vibration meter datalogger
- Illumination/Lux/Light meter
- Water PH, TDS, salinity, conductivity and temperature meter, Oakton Testr 35
- Digital air flow meter with temperature, humidity, and wet bulb temperature
- Humidity (RH) and multichannel temperature datalogger
- Power quality analyzer data logger, Chauvin Arnoux CA 8334
- Electrical meters for measurement of power kVA, kVAR, kW, kWh and cos φ
- Tachometers, contact and non-contact
- Mechanical and electrical tools



Env Laboratory Equipment

### Research and Development (R&D)

ENV Services Ltd is keen to support the knowledge base through research and development. Various students from the following research Universities benefitted directly from ENV Laboratories equipment capacity:

- Makerere University
- University of Dar es Salaam
- Ardh University
- Nelson Mandela African Institution of Science and Technology, and
- Sokoine University of Agriculture

The main areas of students' research were in:

- Household indoor pollution from cookstoves
- Municipal waste dumpsite emission
- Energy (incineration process)
- Motor vehicles pollution
- Water quality
- Noise levels
- Illumination
- Vibration



Research and development