



THE GEOTHERMAL CENTRE OF EXCELLENCE

About the Centre of Excellence

The Geothermal Centre of Excellence is the Geothermal Development Company's training facility founded as a response to an existing regional skills gap in the geothermal energy subsector within the East African Rift Region.

The Centre offers comprehensive, peer-reviewed short course programs in all aspects of geothermal energy development. Emphasis is placed on modern techniques of surface exploration, drilling, resource assessment and project management. Programs on current geothermal direct use applications are also offered.

The programs are continually evaluated to be in line with industry demands. In implementing these programs, the Centre leverages on strong partnerships and linkages developed with various industry players.





A 30MW Well at the Menengai Geothermal Project



***Message from GDC MD & CEO
Eng. Jared O. Othieno***

Geothermal Development Company (GDC) is a 100 % state owned Company under the Ministry of Energy in Kenya tasked with development of geothermal resources in the Country.

The continued successful development of the geothermal sector will ensure affordable and reliable power for the people of Kenya. GDC therefore continues to forge strategic partnerships with key stakeholders in order to maximize the benefits presented by the Nation's vast geothermal potential.

GDC prides itself in its highly competent and dedicated work force. The GDC Centre of Excellence was founded on this premise, that is, a commitment to assist and develop geothermal energy resources through provision of expert advice and services in geothermal development within the region and beyond.

GDC's outlook in the next 10 years aims at development of 1065 MWe of geothermal power with 465 MWe Menengai, 300 MWe Baringo – Silali and 300 MWe from Suswa geothermal projects. We look forward to shaping the future of the geothermal industry together.

Who we are

Mission

Develop green energy for
Kenya from geothermal
resources

Vision

To be a world leader in the
development of geothermal
resources

Values

Integrity - High ethical standards, openness and honesty.

Professionalism - Excellence, quality service, and continual improvement



Students at a past training Programme

Courses Offered

(a) Broad Areas

Trainings broadly cover the areas below:

No.	AREA
1	Geosciences (Geology, Geochemistry, Geophysics, GIS and Remote sensing)
2	Reservoir Management
3	Drilling Technology
4	Direct Use Technology & Applications
5	Environmental Management
6	Strategic & Financial Planning
7	Occupational Health & Safety Management
8	Project Management

Courses Offered

(b) Trainings programmes

The programmes below target engineers, scientists and technicians. Duration of these programmes range between 14 days to 90 days.

No.	COURSE TITLE
1	Certificate in Environmental Impact Studies in Renewable Energy Development
2	Certificate in Drilling and Well Production Occupational Safety & Health I
3	Certificate in Drilling and Well Production Occupational Safety & Health II
4	Certificate in Drilling and Well Production Occupational Safety & Health III
5	Certificate in Strategic and Financial Planning
6	Certificate in Project Management
7	Certificate in Geothermal Drilling Technology – Driller

No.	COURSE TITLE
8	Certificate in Geothermal Drilling Technology – Derrick man
9	Certificate in Geothermal Drilling Technology – Rigfloorman and Compressor man
10	Introduction to Geoscience and Technology Certificate
11	Introduction to Geothermal Science Certificate
12	Certificate in Borehole Geology
13	Certificate in Discharge Fluid Chemistry
14	Certificate in Equipment maintenance and calibration
15	Certificate in Exploration Geology
16	Certificate in Exploration Geochemistry/Chemistry
17	Certificate in Exploration Geophysics
18	Certificate in GIS and Remote Sensing
19	Certificate in Reservoir Engineering

Our Facilities



Modern geothermal testing equipment in our ultra-modern laboratories.



State of the art classrooms in Naivasha and Nakuru

Highly specialized simulator with built in classrooms at the Menengai Geothermal Project Area



Seven high capacity drilling rigs that have the capacity to drill up to 7 km.



Consultancies

Scope of consultancies

No.	Area
1	Laboratory Services
2	Surface Exploration Studies
3	Well Siting Services
4	Drilling and Infrastructure Services
5	Reservoir/Management Services
6	Direct Utilization
7	Environmental and Social Impact Assessment (ESIA) & Audit studies
8	Strategic Environmental Assessment (SEA)
9	Resettlement Action Plan (RAP) Studies
10	Capacity Building/Training in all the above areas



A GDC geochemist demonstrates to a trainee how to carry out sampling of fumaroles at the Menengai Geothermal Project



Students at the geochemist laboratory at the Menengai Geothermal Project

Our Partners





Trainees after a successful capacity building programme in May 2018. The course attracted participants from eleven African countries.



Contacts

Head Office: Kawi House, South C Bellevue |Off
Mombasa Road| Red Cross Road |Pilot line: +254
719 037000; 020 2427516 P.O. Box 100746-00101,
Nairobi Kenya | www.gdc.co.ke

Nakuru Office

Polo Centre: +254 51 221 7190

Naivasha Office

+254 51 800 3001; 0733 603 131; 020 2427519; 0710 722055

Online

Website: www.gdc.co.ke

Email: info@gdc.co.ke

Twitter: [@GDCKenya](https://twitter.com/GDCKenya)

Facebook: [GDCKenya](https://www.facebook.com/GDCKenya)