



CORPORATE  
PROFILE



## ABOUT US

Geometric Power is the first indigenous private power company in Nigeria. The company's vision is to promote industrialization and drive positive economic growth in Nigeria and sub-Saharan Africa by establishing world class independently operated power plants to deliver affordable and reliable electricity to industries, commercial enterprises and other customers.



## ABA INTEGRATED POWER PROJECT (ABA IPP):

Aba IPP is a pioneer project as it is the first 100% privately owned integrated power utility in Nigeria. It comprises a 141MW gas-fired power plant, a 27km dedicated gas pipeline with associated infrastructure, and a distribution network with over 240km of 33 kV and 11kV overhead lines. It also includes:

- More than 2000 kilometers of 400-volt lines,
- One 3 x 60 MVA power plant substation,
- Four 2 x 15 MVA brand new injection substations
- Three 2 x 15 MVA refurbished substations.

The Project established two Special Purpose Vehicles (SPVs), Geometric Power Aba Limited (GPAL), and APL Electric Company Limited (APLE), which are both licensed by the Nigeria Electricity Regulatory Commission (NERC) , for the generation and distribution of power respectively. Upon Financial Closing (FC) of Aba IPP at the end of 2021, APLE will become the 12th Distribution Company (DisCo) in Nigeria.









## QUAD POWER PROJECT (QPP)

Quad Power Project (QPP) was conceived from the numerous studies carried out to determine the net power and future growth demand of the RFA. These studies considered the suppressed power and growing demand by customers within the Aba RFA, which guided the decision by the project Sponsors to ensure that the 27 km gas pipeline of Aba IPP can support up to 500 MW. The contracted gas supply quantity of the Gas Supply Agreement for Aba IPP can be expanded to serve the QPP. The initial off-takers of QPP will be the surrounding distribution companies, NBET, and Large industrial customers outside the RFA. The technology of consideration for QPP will be a combined cycle, utilizing the heat content from the Aba IPP GE LM 6000 and the new gas turbines to improve power generation efficiency. Given that the site, gas pipeline, development infrastructure are already available, the QPP can be considered a low hanging project which can be achieved quickly with least cost. QPP will benefit from the installed infrastructure of Aba IPP and will be built at the same footprint. Thereby significantly reducing costs of development and construction.



## OMA POWER

OMA Power Project is a Joint Venture (JV) project owned by Geometric Power Limited (GP) and General Electric (GE). The Project is located at Orgwu-Ogwe Village, Ukwu West Local Government Area of Abia State. The Project Sponsors established an SPV, Oma Power Generation Company Limited (OPGCL), licensed by NERC to generate at full capacity, 1080MW using natural gas. OMA Power will be executed in two (2) phases, and the project Sponsors are currently in the development stage of the first phase. The first phase will be for the generation of 570MW; the second phase is for 510 MW. The Project will require a 13 km 18 inches diameter gas pipeline to convey gas (fuel) to the project site. JACOBS Engineering UK Limited has completed the Environmental and Social Impact Assessment. The financial advisor is Standard Chartered Bank and the technical adviser is AECOM, UK.

The generated power will be sold to the national grid through a 20-year Power Purchase Agreement (PPA) with the Nigeria Bulk Electricity Trading Company (NBET). The PPA has been gone through the NBET procurement processes and initialled by the parties. NBET is open to a portion of the capacity to be sold to industries located within the Enyimba Economic City (EEC) zone, and the class of Eligible Customers. The Project is negotiating with ExxonMobil to purchase natural gas with transportation by Accugas Limited - a wholly owned subsidiary of Seven Energy, a Grid Connection Agreement with the Transmission Company of Nigeria ("TCN") and a turnkey Engineering, Procurement and Construction (EPC) contract with CMEC. Connection to the TCN grid will be through a 330 KV switchyard wrapped as part of the EPC contract with CMEC.











## ADIA POWER PROJECT (APP):

Adia Power is a Joint Venture (JV) project currently developed by Geometric Power Limited (GP), and Orascom Construction. GP incorporated Adia Power Generation Company Limited (APGCL) as an SPV, which will own a 540 MW thermal Power Plant, located in the Abia State of Nigeria, along the A3 Port Harcourt Aba expressway. It is approximately 20 km southwest from the city of Aba and about 40 km northeast from the city of Port Harcourt. There are existing 330 kV and 132 kV transmission lines located directly adjacent to the western site boundary. This project is not as advanced as the projects mentioned earlier. Adia Project is in the process of developing a partnership for financing. Siemens has shown interest in a partnership within the development and Operation & Management (O&M) and Original Equipment Manufacturer (OEM) roles, respectively. ERM Consultants have done the pre-feasibility study for Environmental and Social Impact Assessment: High-Level Scoping draft Report. The project has completed the feasibility study and is in the process of undergoing full development that will lead to the financing. It is expected that the project will sell part of the power within the Enyimba city and the rest to the national grid.



## APLE

APLE is a pioneer private sector licensee of the Nigerian Electricity Regulatory Commission, NERC for electricity distribution in Nigeria. It is the second project company of Aba IPP which is licensed to distribute electricity within the Aba ring fence which spans over 4000 square kilometers and occupies 9 out of 17 of Abia States local governments. APLE is a special purpose vehicle of the Aba Integrated Power Project for distribution of electricity to consumers within its ring fenced Aba metropolis. The company acquired the Aba electricity distribution ring fence and has reinforced it with 4 new substations, and reinforced it with 110kv distribution line at 33kv electricity distribution line. In addition, four new sub-stations and a 110km distribution lines are being constructed to reinforce the existing Aba distribution network. A 27km pipeline is being constructed from Owaza to the power plant site in Aba.

## GPAL

Geometric Power Aba Limited (GPAL) is an SPV established by Geometric Power as part of the Aba Integrated Power Project to generate electric power to APLE (the distribution utility company) and industrial customers in Aba .In order to achieve this, the company will generate 188MW in the phase I and 500MW in phase II. GPAL is one of the two project companies established by Geometric power and is licensed by NERC as an embedded generation company for the Aba Integrated Power Project.









# Corporate Social Responsibility

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Geometric Power aims to empower the community by providing:

- Reliable access to electricity
- Clean water access from boreholes
- Healthcare Services to include clinics and hospitals
- Education and skills acquisition

GP also supports women, youth, elderly and the disabled through NGOs







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