



The role of power sector in achieving sustainable development

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LET'S TALK POWER

GENERATION

TRANSMISSION

DISTRIBUTION

CONSUMERS

Other important components of our power industry include:

NERC

NBET

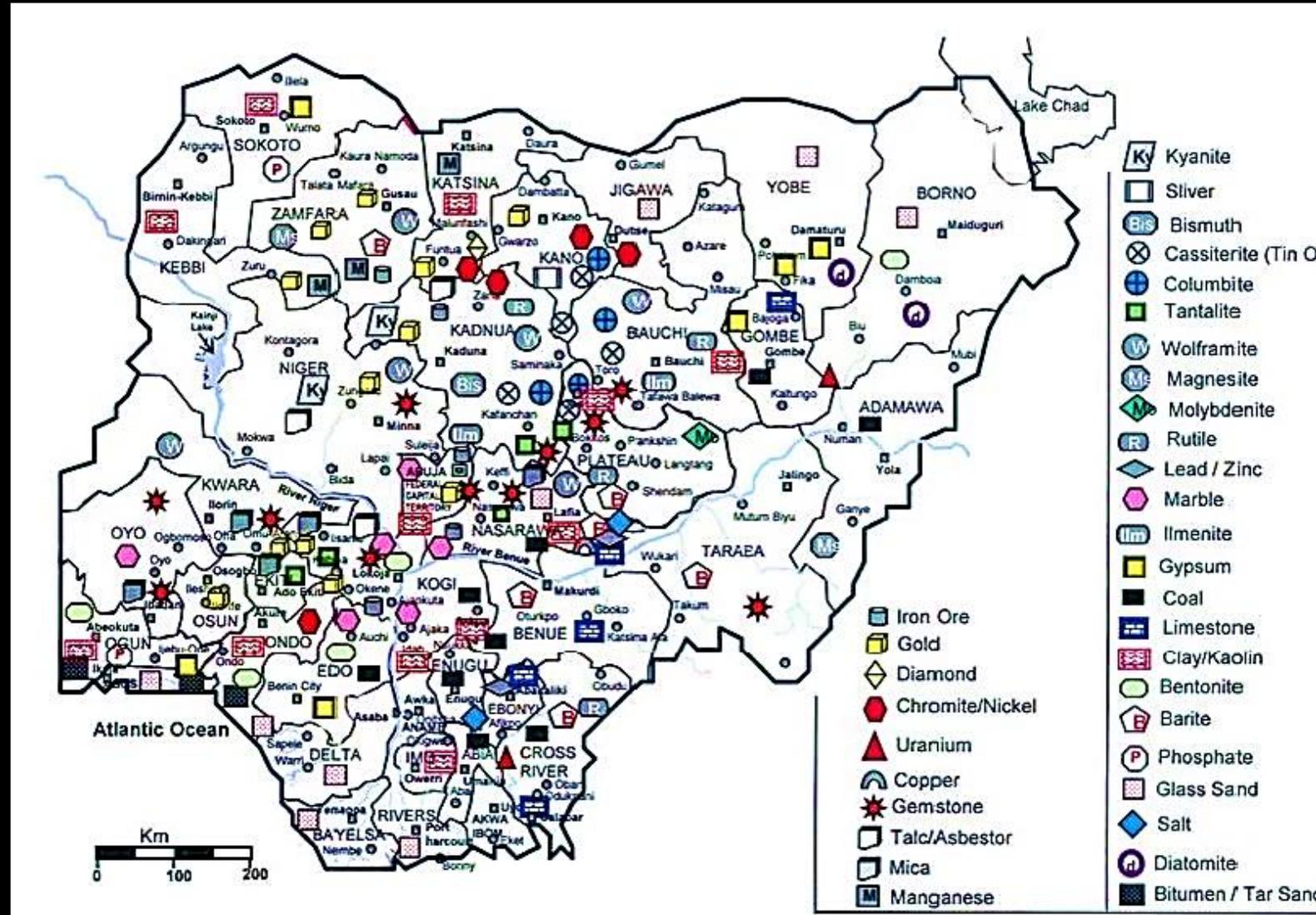
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Sustainable Development refers to economic development that is conducted without depletion of natural resources.

The United Nations intends to globally achieve these sustainable goals. How do we adapt them to our environment?

Despite the diverse human and natural resources we have, we are still described as a developing nation.



How do we advance from where we are to the point where we need to be, not temporarily but permanently?

- How do we tap into the current prosperous growth profile of the world?
- How do we maintain it?



- China's economy grew by 6.9% in 2017 alone
- India is projected to be the world's fastest growing economy this year
- Germany is a proven world leader
- USA is reporting record economic growth indices

WHAT DO THEY HAVE IN COMMON
WHAT DO THEY HAVE IN
COMMON ?

Power production by country

Country	Electricity production(GWh)
China	6,142,490
United State of America	4,350,800
India	1,400,800
Germany	648,400
Nigeria	25,695

Many have attributed their
accelerated development to:

Sound policies

National resolution

Religious awakening

Industrialization

While all these are true, we seem to keep forgetting the fact that all these would not have been possible without the availability of energy; ELECTRICAL ENERGY.

Enormous energy consumption has been always been associated with prosperous societies...

The quantity of electrical energy consumed by a country determines the level of economic activities which lead to growth and development. Domestically, commercially and industrially we require energy to get work done.



If as a country we are serious about achieving sustainable development then it's high time we got serious with the energy that is currently driving the world's industry.



Dubai health care city is powered by about 7000 megawatts of electricity, that is more than we currently have access to as a country

We will be able to improve the state of our health – for instance, with the current health industry trends if only we can consistently power the equipment needed



Other areas where availability of power will do us a world good include:

- Our homes
- Our industries
- Communication/entertainment
- Rural/urban population drift
- Security
- Science and technological researches



With the proliferation of money making ideas, many enterprises have gone under just because of excessive cost of operation that could have been reduced with availability of power.



Major firms that pulled out of Nigeria in the past years have stated high cost of generating their power as one of the reasons for their eventual decision

THREE GORGES DAM POWER PLANT



WHAT IS THE PROBLEM?

As of today, the maximum power that can be wheeled through our grid is less than 10,000 megawatt.

As a comparison, China has a power plant with installed capacity of over 22,000 megawatt.

Fix

IT!

To achieve
the level of
development
we crave,

We urgently need to fix
the power sector; from
generation down to the
distribution where we
can utilize it for our
prosperity

- More investment should be made towards acquiring appropriate power facilities.
- Efforts should also be geared towards training a generation of engineers, technologists, technicians and craftsmen that will cater to the technical and managerial needs of the industry in Nigeria.

Thank you