



*Our Vision is to "Light a Life"!*



**Prof. Chinedu Nebo**, *FNSE, CON, NPOM*  
Former Minister of Power, Nigeria  
Board Chairman

... Africa's socio-economic landscape will experience unprecedented and remarkable transformation if the gap in access-to-electricity is bridged with practical, realistic and sustainable power solutions.  
AE Altron Energy offers its "All-in-One containerized, Digitized, Decarbonized, Decentralized (3D) Alternative Energy Solutions to provide access to electricity, clean water, Internet connectivity, digital Television, etc., to most urban, peri-urban and rural communities



**Dr. Chinyere G. Ezeigwe**  
President/Chief Executive

... At Altron Energy, our mission is to Empower, Change & Impact Lives by bridging the gap in electricity supply in the Nigerian Electricity Supply Industry and African Electricity market. We are exploring Africa's rich and abundant alternative energy resources, huge waste and natural gas reserves, using Altron's Micro Ecosystems' Network's (AMEN™) 3D Energy Solutions



AN ALTRONENERGY INITIATIVE

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## Who We Are

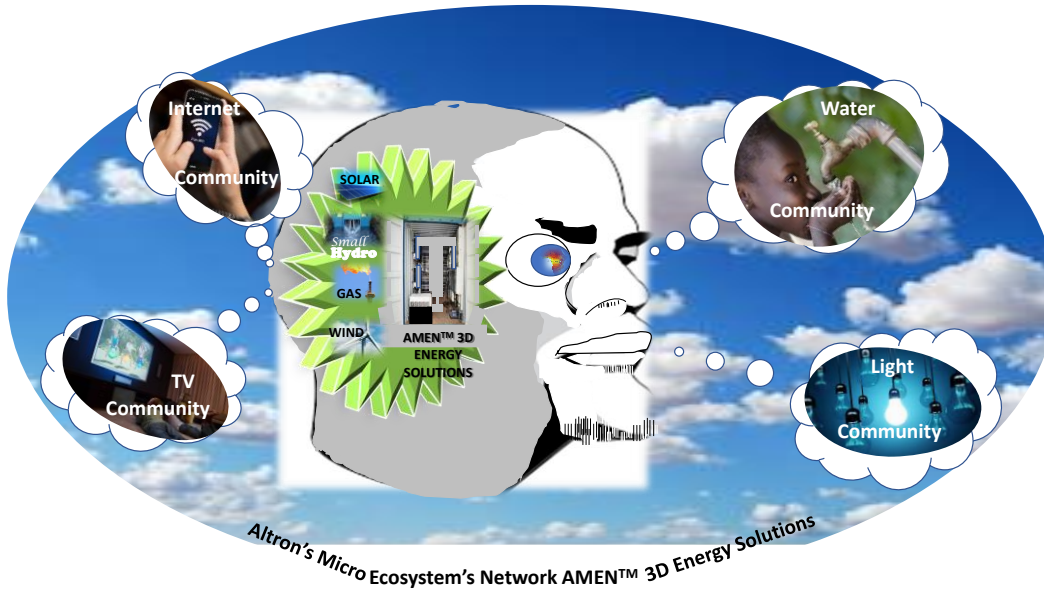
**AE AltronEnergy (AE)**, Nigeria Limited, is a newly incorporated indigenous company in Nigeria, with its head office in Torrance, California U.S.A. A utility, Alternative Energy Technology and Systems Integration private limited liability company, it is incorporated in Nigeria by Nigerians, under the laws of the Federal Republic of Nigeria and local content compliant. It consults on all forms of alternative energy technology resources; and promotes the use of alternative energy technology to provide electricity, clean water, internet connectivity, digital television, etc., to most urban, peri-urban and rural/deep rural communities, especially those far-flung from the nearest grid of Nigeria, with poor, epileptic and/or non-existent electricity supply. It promotes the use of its "All-in-One" product, the Altron's Micro Ecosystem's Network's (AMEN™) Digitized, De-carbonized, De-centralized (3D) Energy Solutions, which uses Clean Energy Technology with streamlined operations and investments in new Modular Natural Gas -Compressed or Liquefied Natural Gas (CNG/LNG), Photovoltaic (PV), PV-hybrid and/or Wind-powered solutions, along with Solar/Solar IP Street lights, and Energy Efficiency services.

**AE's** ultimate objective is to address the electricity supply needs of Cottage industries, SMEs, Real Estates, Hospitals, Universities and industrial clusters, and ensure that reliable power supply becomes the engine for greater economic achievements, growth, jobs, and improvements in social welfare. **AE**, along with its partners in the Power industry, develops and installs the 3D Containerized Distributive Captive Power to deploy quick-wins power plants, taking advantage of piped in or trucked-in LNG/CNG to provide reliable access to electricity at no cost to the customer. The company bears all costs of Engineering, Procurement and Construction (EPC) of the power plant and provides 24/7, 99.999% electricity availability. The establishment of a reliable electricity supply system will create enabling environments for industries to establish and attract other investments/technical assistance from donor and grant funding agencies.

**AE** brings to bear a practical, realistic, sustainable and affordable alternative electricity appropriately tailored for off-grid locations and industries.

## What We Provide:

Digital, Decarbonized and Decentralized (3D) Energy Solutions.



- ELECTRICITY ● WATER ● INTERNET CONNECTIVITY ● DIGITAL TV
- PERIMETER SECURITY/LIGHTING AND REMOTE MONITORING/SURVEILLANCE
- ENERGY EFFICIENCY AUDIT/COST-EFFECTIVE ENERGY EFFICIENCY SERVICES
- EQUIPMENT PROCUREMENT ● E-BILL PAYMENT

ALL PROCESSED ON THE PLATFORM OF CLOUD-BASED ENGINEERING/MANAGEMENT

AE's 3-D energy solutions meet critical energy supply needs of most industries with 99.99% availability:

1. offers uninterrupted clean or alternative energy solutions with minimal or no electricity supply interruptions per year;
2. offers industries a Twenty-four (24)-hours, seven (7) days a week reliable, quality and sustainable electricity supply at a frequency of 50Hz, at cost-effective price;
3. offers a feasible and cost-effective alternative to grid or cost-prohibitive diesel-generator-powered electricity supply, thus offering a practical bridge in the Access-to-Electricity supply gap

at a service voltage level of 415V;

4. provides clean water on campus (if needed), where access to clean water is a major challenge;
5. connects industries (if required) with the rest of the world via internet connectivity, leaving no industry behind in the fast world of digital revolution; and
6. promotes healthy living and spurs world-class research and socio-techno-economic activities.

AE's AMEN™ 3D energy solutions, adaptable to CNG/LNG, solar, wind, gas and/or small hydros as energy sources,

bridges the gap in electricity supply industries in developing nations.

## AE's Solutions

AMEN™ Containerized Nano, Micro or Mini Hub solutions provides "All-in-One" needs, offering independent or unique ecosystem or community:

- Electricity
- Water
- Internet Connectivity, and
- Digital TV, and other accessories/platforms based on "Cloud Computing and Engineering"



### SOLUTION LANDSCAPE:

- Rural,
- Peri-Urban, and
- Urban Communities

### Commercial & Industrial Customers:

- Oil/Gas Industries
- Cottage Industries
- Real Estates
- Small and Medium Enterprises (SMEs)
- Malls/Shops
- FMCG - Fast Moving Consumer Goods
- Hotels
- Hospitals/Health Centers
- Town Halls
- Schools, Universities, Banks, etc.

### Public Customers:

- Energy Distribution Companies
- Development Agencies
- Federal/State and Local Government
- Governments
- Ministries, Departments and Agencies

### GENERAL SYSTEM

- POWER RATINGS: 3 Phase 400 / 231 V AC @ PF=0.8
- Plug & Play and Scalable (in modules of Nano: 22-50kW, Micro: 50-499kW and Mini Systems: > 500kW)
- Mobile payment platforms with smart meters
- Cloud-based management platform
- FUEL CONSUMPTION RATES\*  
Percent Loads Kg/h

50%	55
75%	78
100%	102

- COMBUSTION AIR REQUIREMENT  
Flow at Rated Power (Kg/h) 2648
- CONTROL SYSTEM  
ALL-IN-ONE Control System™
- Outlet for AMEN™ – Water-pumped system
- Embedded long range WiFi for internet connectivity
- Provision for Digital Television connectivity

## MANGEMENT



**Prof. Chinedu Nebo**, FNSE, CON, NPOM  
Former Minister of Power, Nigeria  
Board Chairman



**Dr. Chinyere G. Ezeigwe**  
President/Chief Executive



**Dr. Albert O. Okorogu**  
Chief Technical Officer (CTO)



**Silas Awujo, CPA**  
Chief Financial Officer (CFO)

*Adopt a Village ...*

TM

*Empower. Change & Impact Lives!*

*Come Partner with **AE Altron Energy!***