



“Reliable Assets. Safe Environment.”

Corporate Profile

Corporate Information

Amotech Africa is the leading test and measurement solutions provider in the region. We provide tools and measurement equipment, technical services, repair and calibration services. We also offer technical training and support in test and measurement solutions. We are headquartered in Nairobi, Kenya and have a presence in Uganda, Rwanda, Tanzania, Burundi, Malawi, Zambia, Ethiopia, Nigeria and Cameroon. Our tailor-made solutions cut across most industries. We strongly endorse technical training and offer support on all our equipment as a way of ensuring our client gets maximum benefit and longevity on their investment. We offer repair, and calibration services inhouse and with our partner brands at a competitive price.

Amotech has a highly skilled and competent team of sales engineers and staff who are passionate about our solutions and giving the best to the customer. We have a deep understanding of the industrial landscape in this region and believe that this coupled with our years of operation in this market make us best placed to offer exceptional service and customer support.

Some of the Sectors/Industries that we work with include:

- Manufacturing
- Mining
- Transport
- Food and Beverage
- Solar Energy Producers
- Education
- Power Generation
- Banking
- Healthcare
- Telecommunication
- Energy
- Pharmaceutical
- Oil and Gas
- Ports
- Automotive
- Aviation



OUR VISION

Africa's leading provider of premium test and measurement solutions



OUR MISSION

To create value for our stakeholders through reliable test and measurement solutions

CORE VALUES

Excellence

We deliver to the highest quality and standard in results across all levels of our organizational operation to create a culture of excellence and effective execution

Innovation

We shall continuously improve our processes, nurture new ideas, exceptional talent and embrace modernization by introducing new methods and interventions through Research and Development.



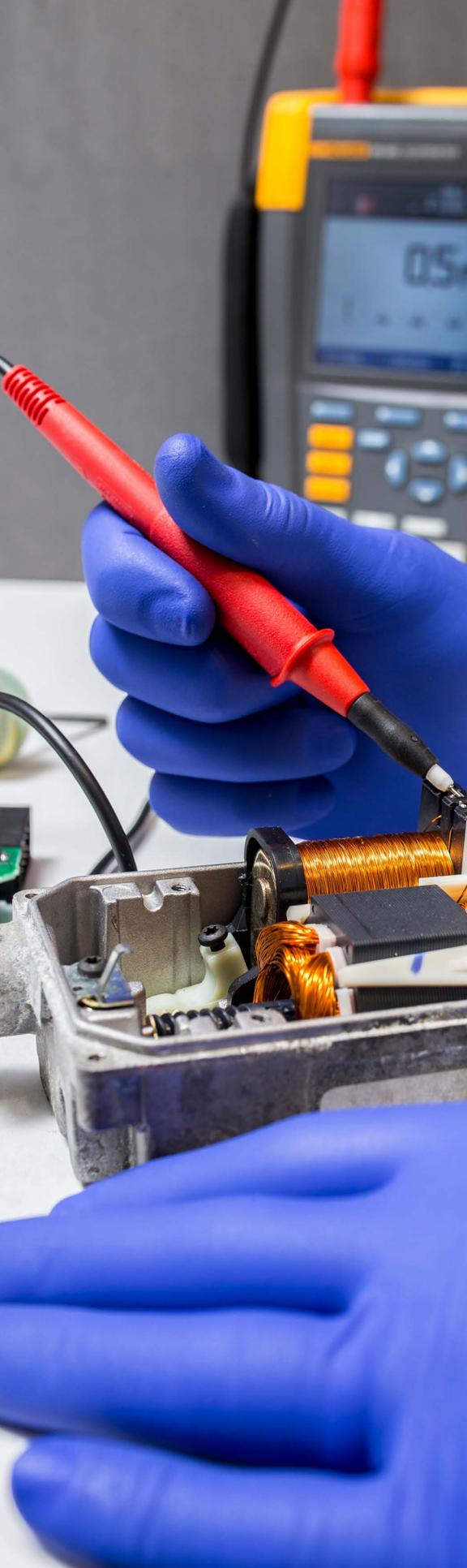
Accountability

At the core of accountability is reliability and personal responsibility. We value the ability of our staff and organization to honor our commitments, to our stakeholders and to each other. We take ownership of our Strategic intent and seek to exceed the expectations of our stakeholders as we become as great as possible..



OUR COMPETENCIES

Amotech has a highly skilled and competent team which is as a result of a number of combined years of expertise and specialization.



OUR SERVICES

Amotech Africa has a panel of professional engineers licensed in multiple jurisdictions with national and international professional associations such as IEEE (USA), EBK (Kenya), ERB (Uganda) EPRA A1 Licensed Electrical Contractor (License No. EPRA/EC/03022).

We work directly with and receive certified training and technical support from manufacturers (OEMs). We own the test and measurement equipment and maintain annual calibration certificates for all our equipment to ensure consistent and accurate results for all our clients.

Services Offered

1. Electrical System Design and Installation
2. Testing, Commissioning of Substations and power stations
3. Partial Discharge Monitoring of Rotating Machines, Transformers, Cables and Gas Insulated Switchgear
4. Power Quality Analysis and Solutions
5. Fiber and Copper Testing
6. Power System Troubleshooting and Diagnostics
7. Maintenance and Repair of Primary Plant Apparatus
8. Oil Testing (BDV, DGA, PCB PPM and Lubrication Oil for rotating machines)
9. Sweep Frequency Response Analysis
10. Tan Delta Testing

Instrumentation Services

We are equipped to offer tailor-made solutions through the following options:

- Repair & Calibration Services
- Leasing/Hiring of Equipment
- Consulting/Advisory Services
- On-site Services

Technical Services

Machine Health and Reliability

- Vibration Analysis
- Infrared Thermography
- Laser Measurement & Alignment

Electrical Engineering

- Energy Audits
- PAT Testing
- Cable Fault Location
- Power Quality Testing

Instrumentation Analysis

- Ultrasonic Flow Measurement
- Ultrasonic Leak Detection
- Level and Pressure Transmitter Calibration

Transformer Testing

- Dissolved Gas Analysis
- Oil Analysis

EPRA LICENSE



ELECTRICAL CONTRACTOR LICENSE:

LICENSE **Class A-1** LICENSE NO. **EPRA/EC/03022**

LICENSE **Class C-1** LICENSE NO. **EPRA/PVC/01372**

LICENSE **Class V-2** LICENSE NO. **EPRA/SPVM/000541**

LICENSE **Class V-1** LICENSE NO. **EPRA/SPVC/01369**



Electrical Test and Measurement Solutions



Megger.

www.megger.com

Megger designs and manufactures portable electrical test equipment. Megger products help you install, improve efficiency, reduce cost and extend the life of your or your customers' electrical assets.



Elspec is a leading quality solutions & services provider to the global marketplace. Since 1988 Elspec has developed, manufactured and marketed proven power quality solutions along with state of the art electrical network analysis technologies.



3



Teledyne FLIR designs, develops, manufactures, markets, and distributes technologies that enhance perception and awareness. Flir brings innovative sensing solutions into daily life through its thermal imaging, visible-light imaging, video analytics, measurement and diagnostic, and advanced threat detection systems.



Solar Equipment Testing Solutions

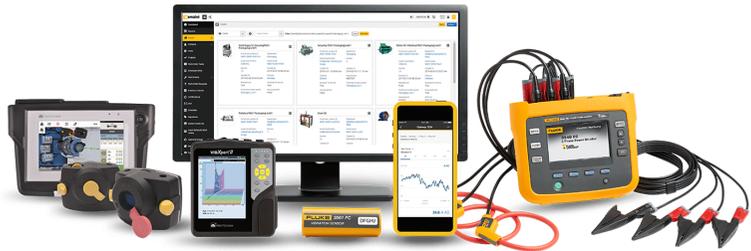


www.sewardsolar.com

With over 75 year's experience at the cutting edge of electrical safety testing, the Seaward Solar range of electrical solar PV test equipment enables Photovoltaic installers to meet all testing and certification requirements of IEC 62446 safely and efficiently.



FLEXIM develops, manufactures and sells advanced process measuring devices for industrial applications. For more than 25 years, non-intrusive ultrasonic flow measurement has its name: FLUXUS®. The name PIOX® stands for process analytics – non-intrusive with the PIOX® S ultrasonic analyser, wetted with the PIOX® R transmitted light refractometer.



Fluke Reliability is a leading maintenance technology manufacturer and solution provider. We offer a broad range of high-quality products, services and training tailored to the needs of maintenance professionals in the areas of shaft alignment, vibration analysis, condition monitoring and nondestructive testing.



<https://www.se.com>

Schneider's purpose is to empower all to make the most of our energy and resources, bridging progress and sustainability for all. With 100+ years tradition of excellence and innovation in process instrumentation, Schneider Electric Process Instrumentation Department provides high quality measurement solutions to monitor and provide analysis of your plant. Our intelligent instrument are designed to both protect and optimize our customers' process.

Cable Life Extension and Fire Protection Solutions



FIRE SECURITY
www.fire-security.com

Fire Security is a Norwegian company offering cable life extension, repair, and fire protection of electrical cables for the oil & gas industry worldwide. We conduct turnkey projects for an extensive client base both onshore and offshore, including rigs, FPSO, LNG vessels and petrochemical refineries.



VAISALA

www.vaisala.com/en

Vaisala is a global leader in weather, environmental, and industrial measurements headquartered in Vantaa, Finland. Building on over 80 years of experience, Vaisala strives towards its mission of observations for a better world.



Grid Solutions

www.gegridsolutions.com

Grid Solutions, a GE Renewable Energy business, serves customers globally with over 13,000 employees. With decades of expertise, Grid Solutions helps utilities and the industry at large to effectively manage electricity from the point of generation to the point of consumption - to maximize the reliability, efficiency and security of the grid. Grid Solutions has equipped 90% of the world's power utilities with products and services.

by Megger® Power Diagnostix Systems

www.pdix.com

Power Diagnostix Systems GmbH provides quality instruments and engineering services for high-voltage diagnostic applications. Power Diagnostix has built a solid reputation since market introduction of our partial discharge detectors in early 1993. Our ICM series of digital partial discharge detectors is used for evaluation of electrical insulation by electric utilities, manufacturers, and research institutes worldwide.



Megger

www.solutions.megger.com/

Grid Analytics Solutions provide on-line distribution grid monitoring, analysis, and data-driven management solutions to optimise the performance of your assets, increase reliability, and mitigate potential failures. Our solutions offer unprecedented insight into the health of your distribution grid, enabling you to make intelligent predictive maintenance decisions and improve the delivery of dependable power.

Battery Management Solutions



www.cadex.com

For over 35 years, Cadex Electronics has been at the leading edge of battery technology. Serving customers in over 100 countries globally, our world-class team empowers local and global clients to achieve the most from their mobile power applications. Cadex technology and products, including custom battery packs, smart chargers and advanced battery analyzers, optimize battery use in all phases of battery life cycle management, increase up-time and availability of critical equipment, and decrease operating costs.



www.chromaate.com/eu

Founded in 1984, Chroma ATE Inc. is a world leading supplier of precision test and measurement instrumentation, automated test systems, intelligent manufacturing systems, and test & automation turnkey solutions.



Franklin Electric Grid Solutions is a leading developer and manufacturer of intelligent monitoring equipment for power and battery backup systems. Uptime is a requirement in today's connected world. Industries, such as power utilities, telecommunications, healthcare, transportation, and data centers rely on uninterrupted power for critical continuity. Franklin Electric Grid Solutions delivers real-time health and performance analytics for data-driven decision making. Our products empower you to monitor your systems, analyze risks, and perform proactive maintenance - all to ensure uptime.

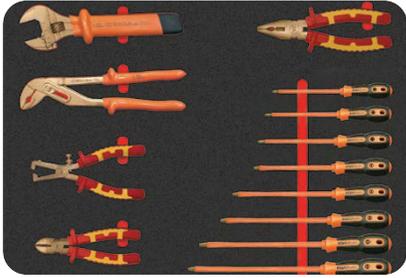


www.midtronics.com

Since pioneering a new standard in battery testers with conductance testing technology, Midtronics has been passionate about creating better battery management solutions. Midtronics is focused on developing technologies to improve the way batteries are tested, charged and managed, making us the battery technology partner of choice for the world's leading automobile and heavy truck manufacturers, vehicle service organizations, and battery manufacturers.



Mechanical Applications



EGA Master
ART IN INNOVATION

www.egamaster.com

EGA Master is a manufacturer of tools for professional/industrial use. Originally specialized in pipe tools it later diversified into a wider product range, including mechanical tools, non-sparking tools, titanium non-magnetic tools, insulated tools and explosion-proof intrinsically safe instruments.



Norbar is the world's leading torque specialist with one of the most modern and largest factories devoted exclusively to the design, development and production of torque tightening and measuring equipment. Norbar is the only torque equipment manufacturer to be able to offer torque tool and instrument calibration & recalibration services to the original factory standard on four continents. In addition to this, most of Norbar's distributors offer repair, calibration & recalibration services.



7

Identification, Safety and Gas Detection



BRADY

www.brady.eu

Spill control, Lockout Tagout solutions and more. Brady helps you create and maintain safer work environments and comply with regulatory standards.

**INDUSTRIAL
SCIENTIFIC**

www.indsci.com/en

Industrial Scientific is a leader in lifesaving products and technologies that improve in-the-moment safety outcomes for workers worldwide. Our wearable, area monitoring, and software solutions detect gases, offer remote real-time monitoring and guide emergency response teams.



Biomedical and X-ray Solutions

FLUKE

Biomedical

www.flukebiomedical.com

Fluke Biomedical is the premier, global organization providing test and measurement equipment and services for the healthcare industry. We strive to lead our market segments through ongoing improvement of current offerings and creative solutions to customer needs. Our speciality is in medical test device quality assurance, radiation safety, electrical safety, and diagnostic imaging quality assurance.



 **RaySafe™** **LANDAUER®**

www.raysafe.com

Unfors RaySafe, a Fluke Biomedical company, is the leading supplier of radiation measurement solutions in the medical field offering comprehensive solutions for the X-ray room – from quality assurance of X-ray equipment, to real-time dose monitoring for medical staff and dose management solutions for the benefit of the patient. These products combine advanced technology, simple use and transparent data overview with competitive pricing.

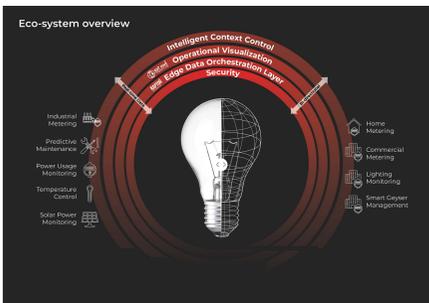


Advanced Metering Infrastructure and IoT

 **EDMI**

www.edmi-meters.com

EDMI is a leading global Smart Energy Solutions provider. Headquartered in Singapore, the company has deployments in more than 100 countries worldwide. We are dedicated to the design, development and manufacturing of innovative and technologically advanced energy meters and metering systems for the utility industry.



 **IoT.nxt**
bridging the edge

www.iotnxt.com

IoT.nxt is a pioneering company in the IoT space that brings the best technology to help you reduce costs, maximize process efficiency, and eliminate risk by delivering real-time visibility, actionable insights, and control. Our award-winning platform is designed to rapidly enable you to run more agile, pro-active, and competitive operations. Our solutions cut across multiple verticals including asset tracking, utilities management, smart cities and homes and smart industries.

ZERA

www.zera.de/en

ZERA develops and manufactures systems for the generation, measurement, testing and calibration of electrical quantities and distributes them worldwide. Our customers include renowned companies in the field of electricity supply and instrument transformer manufacturing.



Fibre, Copper & RF Testing Solutions



Anritsu

envision:ensure

www.anritsu.com/en-au/

Anritsu, which was established in 1931, has a rich history of invention in RF & Microwave technologies with a leading position in several important technologies, including LTE and vector network analysis. The company offers test and measurement solutions that can be used for wireless, optical, microwave/RF, and digital instruments as well as systems to support operations.



www.aem-test.com/

AEM's Smart Building test solutions are purpose-built to provide a unique set of testing functionality that spans a wide range of technology, through modular test platforms. These solutions serve a broad range of applications including copper and fiber certification, high wattage power over Ethernet Testing, Multi-Gig link speed qualification, and wired and wireless network testing. Through years of innovation and research, their solutions are guaranteed to provide a highly accurate RF measurement system and provide feature sets tailor made to suit modern networking requirements.



Calibration Solutions & Services



Fluke Calibration is a leader in precision calibration instruments, equipment, service and software for electrical, RF, temperature, pressure and flow measurements. Calibration instruments from Fluke Calibration are found in calibration laboratories and process measurement instrument shops around the world, including National Metrology Institutes where metrologists calibrate to the highest levels of performance and reliability. Our calibrators and standards are backed by world-class metrology and exceptional service and support.

Repairs and Calibration Services

The Amotech Africa Lab is one of the leading equipment servicing and calibration service providers in Africa. We have a wealth of experience that comes from handling a variety of jobs in Kenya, Uganda, Tanzania, Malawi, DRC, and Rwanda. Our state-of-the-art calibration equipment and methods are traceable to the National Metrology Institute and SI unit.

We have already established our credibility in the marketplace supported by state-of-the-art facilities to cater for the calibration requirements of Aviation, Oil & Gas, Mechanical Engineering, Energy, Food, and other related industries.

The Amotech Lab is currently in the process of acquiring ISO/IEC 17025:2017 accreditation to ensure that we provide accredited services to our customers. We are committed to provide services that consistently meet the customers' requirements in a safe, timely and cost-effective manner.



Calibration Scope	Calibration items
Electrical	True RMS meters, Insulation testers, Earth ground testers, Panel meters, Clamp meters, Frequency meters, Watt meters.
Pressure	Digital pressure gauges, Tyre pressure gauges, Vacuum pressure gauges, Pressure transmitters, sphygmomanometer, magnehelic gauges.
Temperature	Temperature indicators and controllers Temperature sensors Condition Chambers Temperature Mapping
Torque	Torque Wrench, Torque Multiplier, Hydraulic Torque Wrench, Electric Torque Wrench, Various Torque Sensors, Cable Tension meter

Repair Services

We offer on-demand test and measurement instrument repair services in the Amotech repair laboratory. Our team of dedicated manufacturer-trained repair engineers is able to diagnose and repair meters quickly and efficiently within the shortest turnaround time.

We offer a convenient competitive price on repair services. The prices are based on our average value for various types of equipment.

Amotech Africa has partnered with different OEMs and therefore is able to replace original parts of equipment obtained from OEMs wherever possible and extend warranties on all repairs. We also ensure that all equipment is calibrated after repair to give accurate measurements.



Repairs Scope	Items
Calibration Standards	Fluke temperature calibrators, Reference gauges, Fluke electrical calibrators, Water baths, Torque tester, Micrometer screw gauge, Vernier caliper
Test and measurement items	Megger test and measurement equipment, Fluke test and measurement equipment, Flir/Extech equipment, Battery testers, Ovens, Temperature Controllers & indicators, Torque wrenches, Pressure gauges, Temperature sensors, Torque wrenches, Weighing scales,



Projects and Services

The Amotech Africa Projects & Services Division is one of Leading Services provider in the region with a record of owning calibrated premium test and measurement equipment and expert personnel for assured quality of service for various projects assigned.

Project Team

The Amotech Africa Projects and Services department comprises of experienced and well-trained personnel led by Eng. Mark Ajal who has Professional Engineering registration licenses in Kenya ,Uganda (Recognized in Tanzania and Rwanda) and a member of Institute of Electrical and Electronics Engineers (IEEE) and International Council on Large Electric Systems (CIGRE).

We own the following Test equipment with valid calibration certificates for our Projects and services:

1. FRAX101 -Sweep Frequency Response Analysis for Power Transformers.
2. TRAX279, TDX120- Transformer and Substation Test Set including Dielectric Dissipation Factor Measurement.
3. OTS 100AF- Oil Break Down Voltage Test Set.
4. Kelman Transport X2-Dissolved Gas in Oil Analyzer.
5. ICMcompact-Partial Discharge Test Set.
6. Vaisala MM70- Oil Moisture and Temperature Test.
7. EZ-Thump 12kV- Cable fault Locator.
8. Torkel 950 -Battery Load Unit.
9. Elspec Pure BB -Power Quality and Harmonics Analyzer.

We have handled large scale projects locally and internationally. Some of the scopes are indicated below:

S/No	Project Scope	Country	Location	Status
1	Managing cold and hot testing & commissioning of both the 55MWp solar PV generation plant and its 33/220kV interconnection facility. This included primary, secondary, and ancillary equipment and systems. Performing all primary and ancillary/auxiliary equipment testing in the Kesses 33/220kV step-up substation and Kenya Power's 220kV switching station.	Kenya	Kesses	Completed
2	Inspection and testing of 1 No. 75MVA power transformer, 38 No. Wind Turbine Generators and 37 No. Box Transformer	Kenya	Mombasa	Completed
3	110VDC Battery Bank Installation, Testing & Commissioning	Uganda	Jinja	Completed
4	Transmission Line Testing (34KM)	Rwanda	Bugesera	Completed
5	110VDC Battery Bank Installation, Testing & Commissioning	Uganda	Jinja	Completed



OUR CLIENTS

KENYA



TANZANIA



TANZANIA ELECTRIC SUPPLY COMPANY LIMITED
We light up your life



DEMOCRATIC REPUBLIC OF CONGO



ETHIOPIA



MALAWI



RWANDA



UGANDA





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