



NIRVANA TECHNOLOGIES

E N T E R P R I S E S

bringing technology to you

COMPANY PROFILE

**INTRODUCTION TO NIRVANA'S
ENGINEERING TRAINING SYSTEMS
SOLUTIONS & SERVICES.**

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WHO WE ARE....

NIRVANA TECHNOLOGIES ENTERPRISES LTD

Nirvana Technologies Enterprises Limited is a professional services organization founded in Kenya in 2010. It is an umbrella corporation for several business ventures in the technological business verticals; core among them, the Supply of Technical Education Training Systems.

Being 100% owned and managed by a dedicated team of young professionals with backgrounds in various engineering disciplines, we understand both the strengths of, and the challenges facing engineering training in Kenya. Indeed, Nirvana was founded on the premise of offering solutions to these challenges in a bid to support the growth of technical education in Kenya; the cornerstone in achieving Kenya's Industrialization and Economic Goals!

One of the core problems that has always faced the engineering education sector has been, the lack of modern training equipment required to pass critical hands-on skills to the engineering trainee. This results in emphasis on theoretical training rather than the reverse, ultimately producing engineering graduates who are termed 'half-baked' by industry due to their lack of practical skills, which is what is required in the real world engineering work environment.

In an effort to address this problem, Nirvana has forged partnerships with the world's leading researchers and training systems manufacturers to provide state of the art training equipment for the Kenyan market.

Since its period of inception, Nirvana Technologies has grown rapidly and is developing into a world-class business, with excellent capabilities in delivering integrated solutions for engineering training solutions. We are fully committed to providing quality Training Systems for our Education Sector.



NIRVANA'S CORE MANUFACTURING PARTNERS

G.U.N.T. Gerätebau GmbH



Established in 1979, GUNT is a German company that has been developing, producing and selling equipment that is used in technical education at vocational schools, technical colleges and universities. Thanks to the company's outstanding product quality, high productivity and broad know-how, GUNT is currently the World's leading supplier in the technical training systems sector. Their equipment range is currently at more than 1000 units and systems (including accessories) split over 50 different areas that can be broadly categorized in the fields of study listed below:

- Engineering Mechanics
- Mechatronics
- Thermal Engineering
- Fluid Mechanics and Hydrology
- Process Engineering
- Renewable Energy & Environmental Engineering



AMATROL INC

Based in Jeffersonville, Indiana USA, Amatrol was founded in 1981 for the sole purpose of developing high quality teaching systems for automation, manufacturing, electrical engineering and green energy.

Amatrol offers a wide range of learning solutions geared to bring Industrial Realism to the classroom, which in turn enables educational institutions to teach job relevant skill needed in industry today.



Integrated Systems Technology (IST), is Amatrol’s unique approach to creating its training systems, which combine hands-on skill with strong curricula for an outstanding learner experience.

The IST program offers multiple levels of study, starting with the basics and rapidly building into more sophisticated technology applications.

KANDH MFG. CO., LTD



Superior product design and good quality control have enabled K&H MFG. CO., LTD. to offer high-end educational products to the market since its founding in 1979, Taipei, Taiwan. With this unbeatable track record, K&H has earned the reputation as a manufacturing leader in the educational market in Asia, Middle East and Africa.



K&H product lines have a broad coverage from breadboards, connector accessories and testing instruments to versatile electronic, electrical, and mechanical training equipment as well as several products with relevant fields, including Data Communication and Networking, Communication System, Microcomputer Control, Electronics Circuits, Bio-medical Measurement, Industrial Control, Electrical Machines / Power Electronics and Green Energy.

AIPLTECH PVT LTD



Aiplttech is the export arm of Aimil Ltd (India), India’s TOP Manufacturer of Civil Engineering Test Equipment since inception in 1932. Aiplttech resells Aimil test equipment to the International Market with a special focus on South East Asia, Middle East and Africa. The Engineering Test equipment and are Researched, Developed and Manufactured at Aimil’s state-of-the-art manufacturing plant , NAIMEX, based in New-Delhi.

Building Materials Testing	Survey & Geospatial	Coating & Inspection	Optronics & Photonics
Civil Engineering Software	Traffic Monitoring	Condition Monitoring & Alignment	RF & Microwave
Geophysical	Industrial Material Testing	Electricals	Power Electronics
Non Destructive Testing	Particle Monitoring Systems & Validation	Environment Simulation & Solutions	Cryogenics
Structural Health Monitoring	Particle Size & Material Characterization	Noise, Vibration & Harshness	Thin Films
Measurement and Monitoring	Food and Medical Instrumentation	Data Acquisition	



CORE SERVICES TO OUR CLIENTS

Nirvana's approach to service provision is in the form of a partnership with our client institution; we are actively involved from the beginning of the process (lab design stage), to the continued functioning of supplied equipment through our comprehensive after sales support.

Nirvana Technologies is not a trader but a distributor of our Manufacturers' equipment. This allows us to offer our clients the following competitive advantages:

- i) As distributors, our equipment prices are controlled and direct from the Manufacturer. This ensures the University will always get the best value for its money when purchasing from us since there are no middle-men in between.
- ii) Our staff members constantly undergo training on existing and new equipment from our Manufacturers. We act as the first line of support for maintenance and problem resolution for our equipment. Clients can therefore have the peace of mind of guaranteed local support throughout the lifespan of the supplied equipment

The core characteristics of our partnership approach include but are not limited to the following:

Free Consultancy on Lab Design based on Curriculum

For institutions setting up new training laboratories or upgrading existing ones, Nirvana, in consultation with the concerned faculty members will design and propose full labs based on course curriculum at no charge. Our lab designs cover the physical layout of the labs, the required amenities to support proposed equipment and the lab equipment themselves.

Our lab designs cover all levels of study; from diploma level all the way to research-based Masters and PhD level. We design according to the current level of study offered by the institution while allowing for easy and modular lab upgrades to support higher levels of study that might be offered in the future.

We are aware that the establishment of engineering labs is a capital intensive investment and we understand most institutions have to work within limited budgets. In these cases, we also propose a modular approach to lab setup where we recommend the core fundamental equipment to begin with, and gradually build up on these as budget allows to finally achieve a full ultra modern lab.

Equipment Installation & Commissioning

For all equipment supplied, we provide comprehensive installation and commissioning services to ensure proper functioning and utilization of the equipment. Installation and commissioning is always conducted by trained technicians from Nirvana and in the case of major lab setups, we always work together with an additional technician or two direct from the Manufacturer. Equipment installation is never charged since it is always included in the scope of delivery.

The installation and commissioning exercise is always done together with the institution's technical staff to ensure they too get a better understanding of the supplied equipment from assembly and setup to routine preventive maintenance practices.

End-User Training

User training is a core and crucial component of lab equipment supply to ensure all the supplied equipment are utilized to their maximum potential. With Nirvana technologies, user-training is always included in the scope of our equipment supply and is executed in various ways:

- i.) **User –training at Manufacturer Training Facilities:** This is essential when setting up complete labs. We fully sponsor departmental representatives to travel the Manufacturer's own training facilities to undergo familiarization training on equipment purchased once they have been manufactured. This usually takes a week or two, after which on-site training is also conducted upon delivery of equipment at the clients site.
- ii.) **On-site user training:** This involves competent Nirvana and our Manufacturers' technicians training the end-users on the use, experiment capabilities and maintenance of supplied equipment. This training is critical and is always included in the scope of delivery of our equipment.
- iii.) **End-user retraining:** We also provide retraining services on supplied equipment for our clients. This is crucial when the institution acquires new staff members who need to handle the lab equipment or just refresher courses for existing staff members. Retraining can be conducted both on-site or off-site at Manufacturer training facilities.

After-sales Support & Service

We not only ensure we remain accessible long after we have installed equipment and trained the end user, but we offer quality after sales support which ensures institutions are always assured of proper servicing of equipment as well as quick resolution to any potential challenges.

As distributors, we offer the first line of support locally and will respond to faults within 24 hours. In case of major faults, our Manufacturer's are always at hand to resolve this at the fastest time possible.

Lab Funding/Financing

Nirvana Technologies recognizes the challenges with regard to financial limitations and budgets faced by most academic institutions in the country. In this regard, we are able to direct the university to various funding and financing institutions that can grant access to funds that will facilitate in establishment of modern training laboratories. We can guide the University on the required proposal formats to access these funding / financing options..

PROJECT REFERENCES

Below are a few of our project references for labs established with our Manufacturers:

CLIENT	LAB	MANUFACTURERS
Kenyatta University	Electrical Engineering Lab	K&H AMATROL
	Mechanical Engineering Lab	GUNT AMATROL
	Civil Engineering Lab	GUNT AMATROL AIMIL and others
Dedan Kimathi University of Technology	Mechatronics Lab	AMATROL
Meru University of Science & Technology	Mechanical Engineering Lab	GUNT
University of Nairobi	Mechanical Engineering Lab	GUNT
Multimedia University of Kenya	Mechanical Engineering Lab	Omega and others
Masinde Muliro University of Science & Technology	Electrical Engineering Lab	K&H
	Civil Engineering Lab	AIMIL & GUNT
Jomo Kenyatta University of Agriculture & Technology	Electrical Engineering Lab	K&H, Fluke and others
	Telecommunications Lab	K&H and others
	Mechanical Engineering Lab	SUMITOMO Japan, GUNT
Machakos University	Electrical	K&H AMATROL
	Mechanical	GUNT
	Civil	GUNT
Taita Taveta University	Mining	GUNT
Moi University	Center of Excellence (PTRE-phytochemicals in textile, renewable energy)	MESDAN EPSILON METROHM
Nairobi Technical Training Institute, Kenya Technical Trainers College, Kiambu Institute of Science & Technology, Thika Technical Training Institute.	Robot Construction Components & Training on Robot Building for TVET ROBOT COMPETITION	Atmel, Arduino and others



DKUT Mechatronics Lab LHS



DKUT Mechatronics Lab RHS



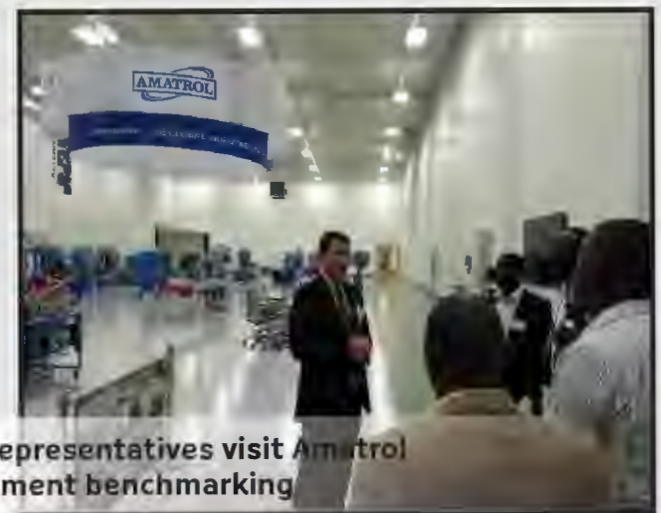
**MMUST Electrical Eng. Lab K&H
Equipment Setup**



KU Civil Engineering Fluid Mechanics Lab



**Nirvana, MMU, DKUT, TUM & JKUAT representatives visit Amatrol
Headquarters USA for equipment benchmarking**





**TAITA TAVETA Uni Mining LAB
(Training Session)**



**TAITA TAVETA Uni Mining LAB
(Results Tabulation)**



**MACHAKOS Uni Mechanical
(Training Session)**



KU Mechanical Engineering Lab



**KU Aerospace Engineering
Heat Transfer Lab**



AMATROL TECHNOLOGY TRANSFER INSTITUTE



NIRVANA TECHNOLOGIES & GUESTS - KENYA
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