



LG Air- Conditioning Academy Training Catalogue

Jan - Dec 2023

LGEEF - Nairobi

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**LG**

Welcome

Thank you for interest in LG air- conditioning systems. Our comprehensive training program, through classroom lectures and a hands-on academy, teaches you how to provide quality LG Product installations and service.

Our full-time training managers are highly knowledgeable, with many years of experience installing and troubleshooting an array of air-conditioning systems.

They are available to answer any technical questions you may have before, during, and after class.

We look forward to seeing you!

Cordially

LG Air-Conditioning Academy
Nairobi -Kenya



LG Academy covers topics from Product introduction to Installation/Service/Troubleshooting for the full range of LG Air Conditioners. Contact to the trainer to know LG Air Conditioner more detail.

Academy Facility

Address Hanover Block. 3rd Floor , 14 Riverside, Off Riverside Drive
P.O.Box 505-00606 Nairobi , Kenya



Trainer / Contents

Academy Trainer

Mr. Raja Durai (Part Leader) Mr. Jackson, Mr. Stefan



(+254) 796-751-393

Raja.kannaiyan@lge.com



(+254) 733 817 461

Jackson.konde@lge.com



(+254) 796 540 845

Stefan.ombisa@lge.com

* Please contact to Academy trainer for detail training schedule.

Training Contents

Product Introduction

- Offering comprehensive and in-depth training regarding LG Air Conditioners

Proposal Design

- Learning how to design the most suitable LG Air conditioning systems for various building / user's needs

Installation

- Trainees can learn the proper installation guidelines for each products, and installing the piping & wiring between indoor and outdoor units.

SVC & Troubleshooting

- Physical access to the major functional components, and become familiar in various kinds of SVC cases with practical troubleshooting guidance.



LG

LGE Internal Use Only

Facility Layout & Pictures



Registration

To attend a course listed in this training catalogue, please complete the Registration form (on page 12) and

E-Mailto : Sales Responsible & Raja Durai (Raja.kannaiyan@lge.com)

Office:+254 202327363/65

Course Schedule

Classes begin at 09:00AM until 4:00PM

Refreshment

Lunch, Tea/Coffee will be provided on full day courses only

Training Material & Certificate

Students attending our classes will be provided with training materials with electronic files and shall be given a certificate if found competent.

Covid-19 Regulations

Students attending our classes must wear facemask and have their identification document with them at all times.

Students will have to sanitize their hands at least once every 4 hours.

During Covid -19 regulations, a maximum of 15 students can be accommodated per training course.

Payment fee

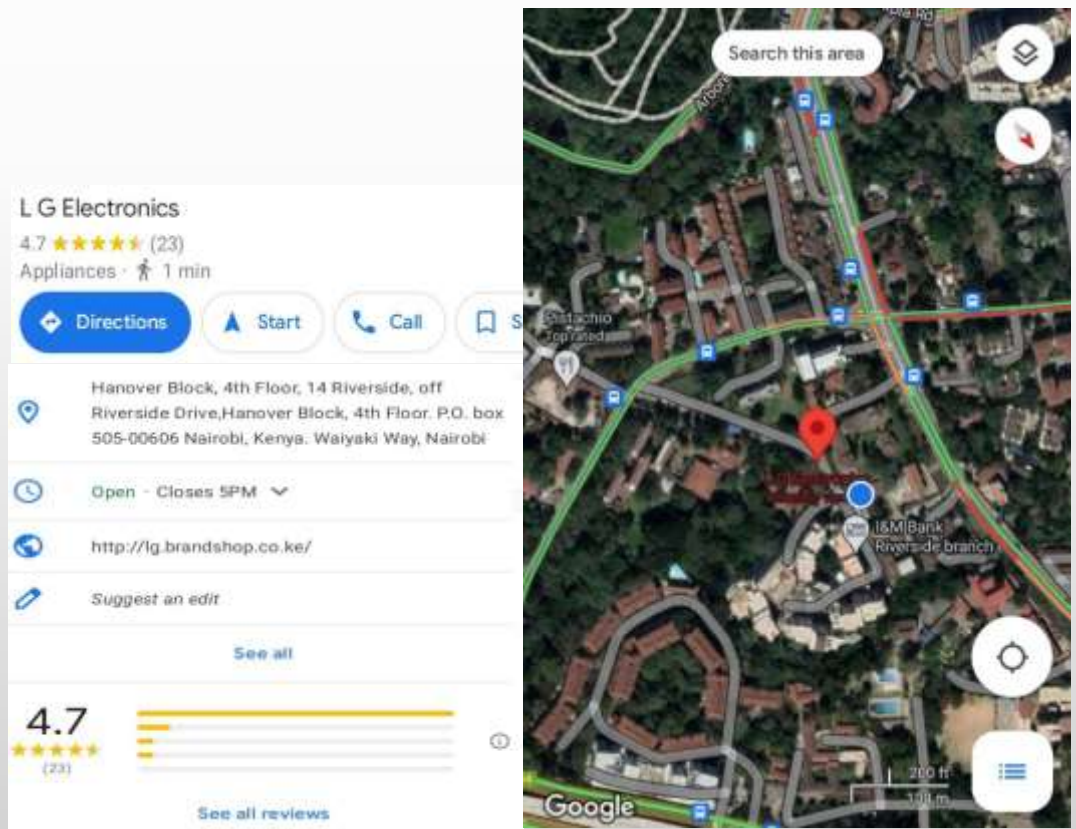
Free of charge for all Training

Cancellation Policy

Academy reserve the right to make changes/cancellation to the course schedule, **in case the number of students are less than 5**. Attendees will be notified by phone and e-mail.

Training Location

LG Electronics Africa Logistics FZE



Complete Service Provided

through systematic operation



Sufficient Service Parts

LG Electronics - distributors has enough service parts in the Kenya. Service parts can be supplied at any time.



Professional technician always on standby

LG’s specialized technicians are always on standby to support systematic services.



Friendly and professional call center

With thorough expertise in the product, the call center staff provides customized services to clients.

RAC Installation & Troubleshooting with LG SIMs Kit

Course objectives

Create understanding about Installation Parameters of LG Inverter RAC Systems

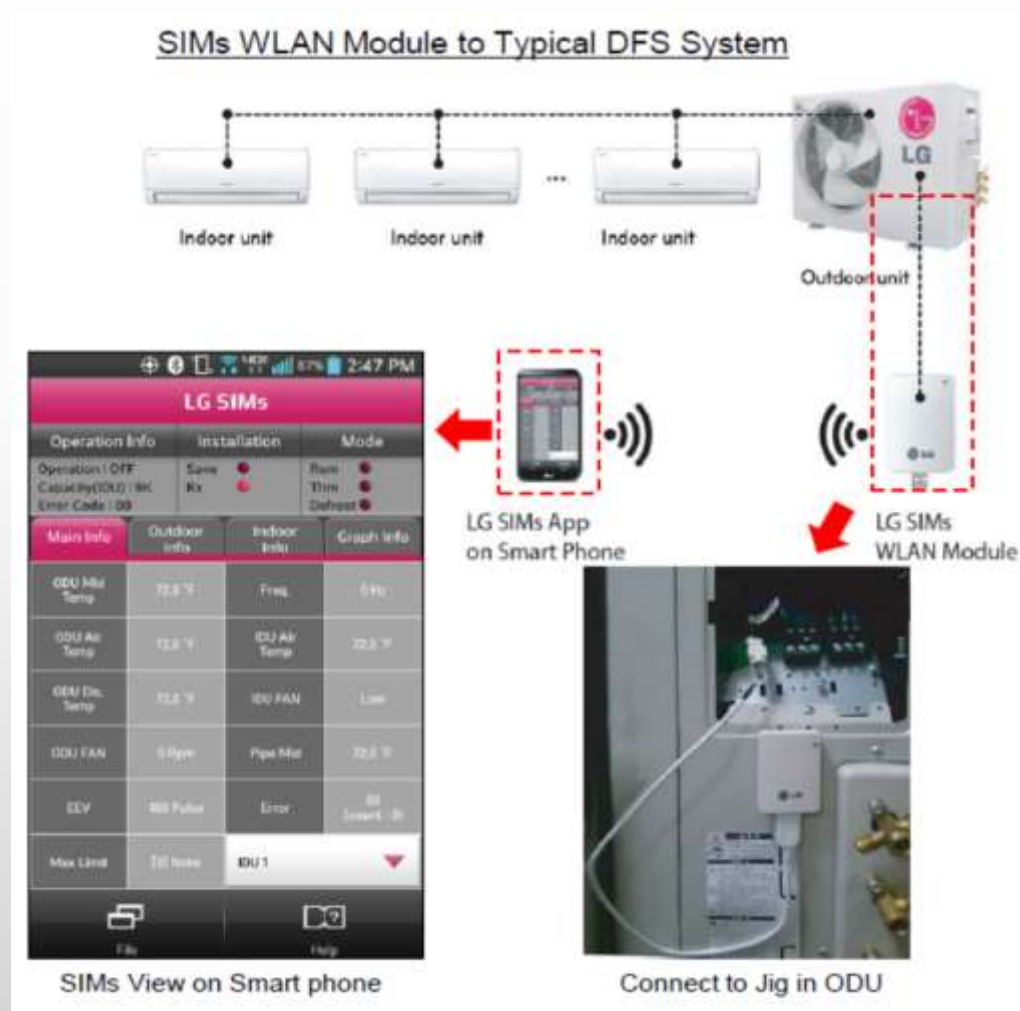
♦ **Target Audience:** Installer & SVC

♦ **Location/Duration:** Academy/1Day

♦ Course Features:

- Get to know the LG recommended Requirements for installation of RAC product
- Practice the usage of recommended tools
- Understanding the additional refrigerant calculation method
- Identification of service related issues & solution with SIMs Kit

♦ **Class Prerequisites:** one device of smart phone/Table PC & LGMV Kit for mobile.



Single CAC Troubleshooting with LGMV Tool

Course objectives

Create understanding about common errors & troubleshooting of LG SCAC Systems.

♦ **Target Audience:** Service & Maintenance

♦ **Location/Duration:** Academy/1Day

♦ Course Features:

- Understand LG Inverter technology
- Understand the functioning of all the major Electrical, power & Cycle components.
- Able to identify the errors using the LGMV jig & Mobile LGMV Tool to resolve the common errors.

♦ **Class Prerequisites:** one device of smart phone/Table PC /Laptop PC & LGMV Kit for PC &mobile.



SCAC Product



Mobile LGMV Kit (Smartphone, Table PC)



Multi V Introduction

Course objectives

Create understanding about basic Installation parameters of LG Multi V systems

♦ **Target Audience:** Installer

♦ **Location/Duration:** Academy/1Day

♦ Course Features:

- Get to know the LG recommended requirements for installation of multi V systems.
- Understanding the installation process and check list.
- Review of Real time installation cases.

♦ **Class Prerequisites:** VRF installation experience.



No changes compare to MV IV

Reliable HiPOR™ Technology

Changed - MULTI V 5 New technology

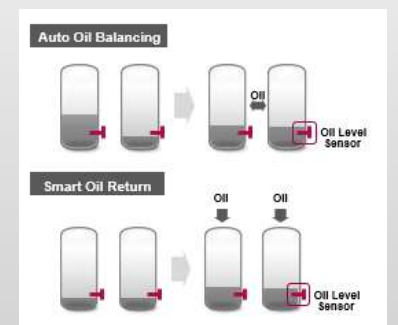
Oil Level Sensing Technology

- Real-time sensing of the compressor oil level
- Reliability enhancement with oil level sensor

Changed - MULTI V 5 New technology

Enhanced Bearing Technology

- High lubricity PEEK bearing (Polyether ether ketone)
- Compact, less vibration and bearing loading
- Increased bearing performance in oil-less state



Multi V Troubleshooting & LGMV Tool

Course objectives

Create understanding on Multi –V Errors & on-site Troubleshooting using LGMV jig

♦ **Target Audience:** Service & Maintenance

♦ **Location/Duration:** Academy / 3 Day

♦ **Course Features:**

- Basic evaluation through LGMV jig
- Hands-on practice for important practices involved during installation, commissioning & start-up of the product
- Understanding of Error codes

♦ **Class Prerequisites:** one device of smart phone/Table PC/Laptop PC & LGMV Kit for PC & Mobile.





BECON(Building Energy Control) Installation & Troubleshooting

Course objectives

Create understanding about Installation parameters & common errors & T/shooting of LG ACS

♦ **Target Audience:** Installer & SVC

♦ **Location/Duration:** Academy / 1 Day

♦ **Course Features:**

- Get to Know about application with LG ACS
- Understanding the Installation process and check list
- Review of real time installation cases
- Get to know how to check system & Upgrade S/W

♦ **Class Prerequisites:** Laptop PC.



Monitoring by BECON cloud (TMS)

As a cloud-based service management system, it is possible to monitor all devices/equipment Connected by network in real time and minimize processing time in case of failure.

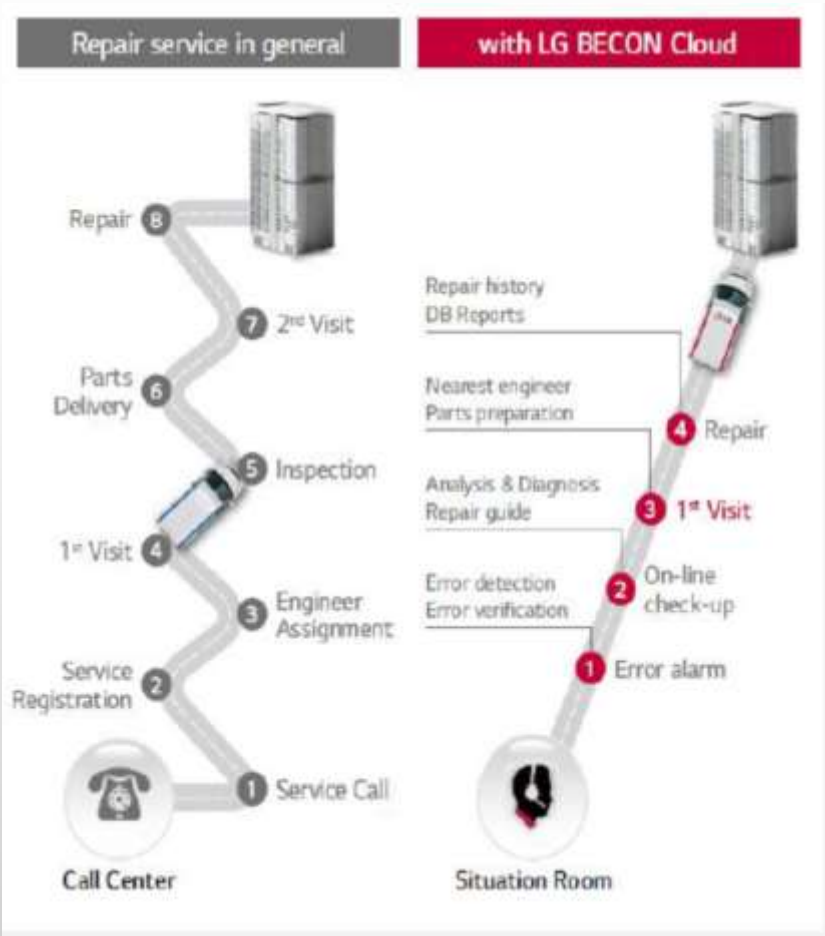
Rapid Processing and Response

Real time monitoring the operation status including site temperature, equipment's temperature and pressure etc.

- **Abnormal symptoms**
Inform abnormal symptoms for checking the operation status to prevent failures in the futures.
- **Error Detection and verification**
Analyzing error message and history is key for quick service delivery in emergency case.



Response process Comparison



BECON Cloud System Introduction

BECON cloud is cloud-based comprehensive air conditioning maintenance system. Comprehensive monitoring of data stored in cloud Server and analysis results are provided as reports.

☁ BECON cloud SYSTEM



RCS | Remote Control System

Real-time monitoring and control



Mobile



PC



Tablet PC



FMS | Facility Maintenance System

Proactive repair based on real-time diagnosis



Remote
check-up



Group
Management



Big-data
analysis



24/7
Monitoring



Check-up
reports



EMS | Energy Management System

User friendly saving modes



No
turning-off



EMS
Consulting



Results
reports

An illustration of a white document with a red circular background. The document features a black square, several horizontal lines representing text, and a bulleted list with three items (black, blue, and orange dots). The LG logo is prominently displayed at the bottom of the document, with the text "Life's Good" underneath it. A black pencil with an orange eraser is positioned diagonally to the right of the document.

Training Course

Required Dates

Company Name

Mailing Address

Person in Charge E-mail.....

Mobile No Job Title.....

Attendees List

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