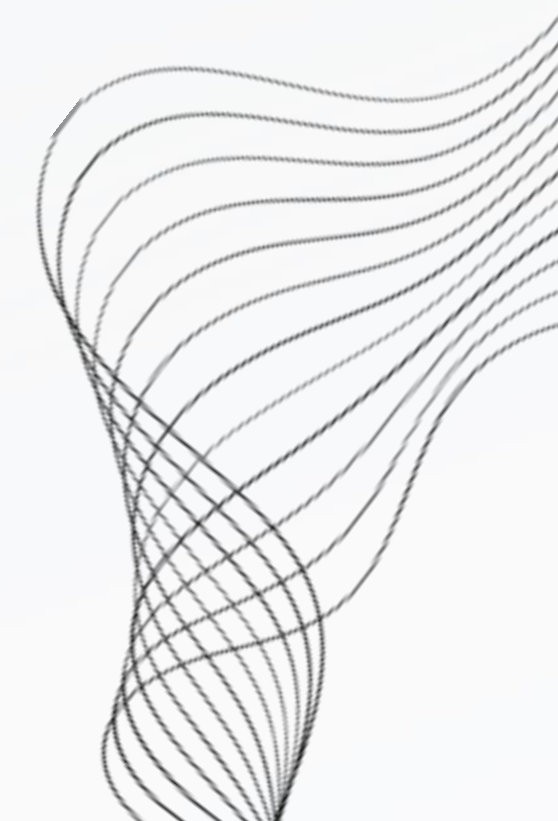




SARL. EGPS

EGPS
LABORATORY
PRESENTATION



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About us



EGPS is a calibration laboratory founded in 2013, accredited to ISO/CEI 17025, V2017 by the Algerian accreditation body ALGERAC, to meet market needs in the field of metrology.

Specializing in calibration and testing, EGPS provides a full range of complementary services, including expert training and equipment maintenance, ensuring comprehensive support for our clients.



OUR HISTORY

2013

LABORATORY ESTABLISHMENT

Creation of our laboratory specializing in the calibration of pressure and temperature parameters.

2017

EXPANSION OF SERVICE

Addition of calibration for torque, dimensional, low-voltage electrical parameters, and safety valve calibration, making us the first accredited laboratory for valve calibration in Africa.

2024

NEW EXPANSION

A new extension to address the lack of calibration services in certain specific technical fields in Algeria

GOALS AND OBJECTIVES

Objective N° 1

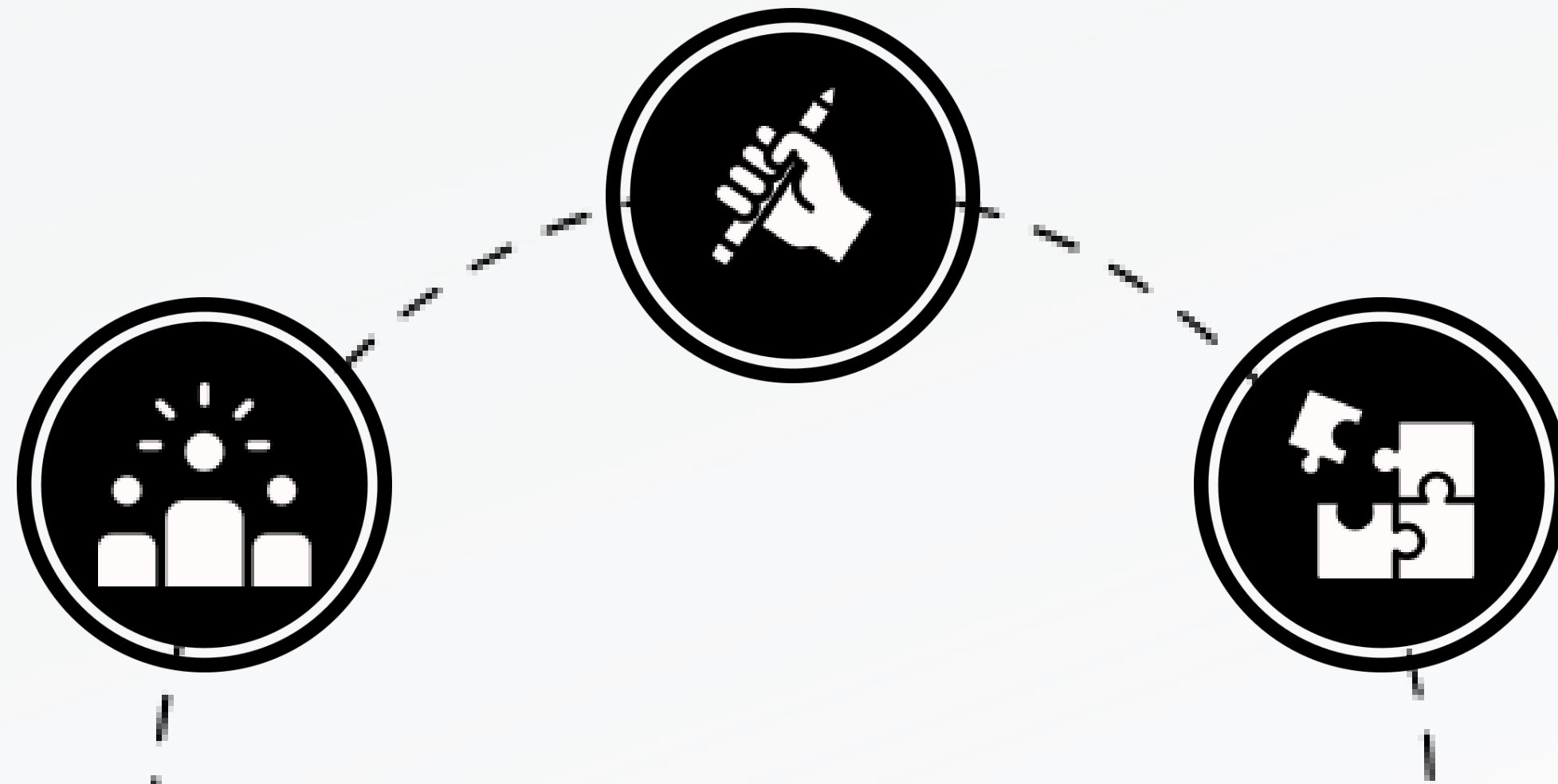
Meet market needs by satisfying customer's specific requirements with services adapted to each field.

Objective N° 2

Deliver calibration certificates traceable to the international system, in compliance with international standards.

Objective N° 3


Improve the quality of our services by expanding our field of activity and ensuring the accuracy and reliability of measurements.



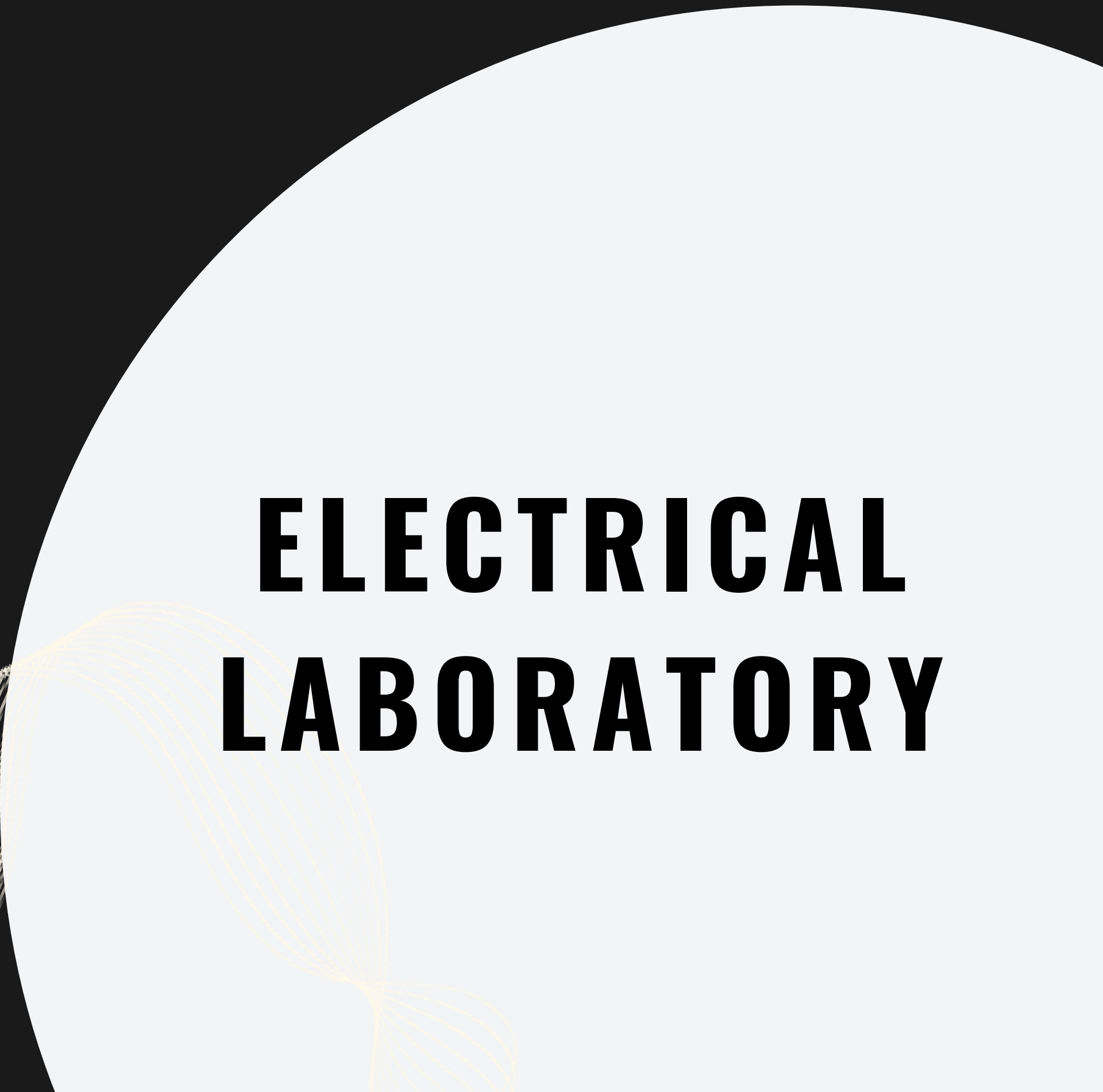


NEW EXTENSIONS !

Our laboratory now includes new
extensions dedicated to
**High voltage, photometry, sounds,
and vibration.**



**Our electrical laboratory is
dedicated to the calibration
and verification of
high-voltage equipment.**



ELECTRICAL LABORATORY

HIGH VOLTAGE

- Our laboratory is equipped with a voltage divider designed to reduce high voltages **up to 400 kV** to a measurable level, as well as a high-voltage probe that allows an AC/DC voltmeter to measure up to **40,000 V** peak
- These equipment are used to calibrate:
 - Hipot testers (High Potential Testers).



Voltage, Resistance & Current

We have an electrical safety tester calibrator that combines multiple functions into a single instrument.



CALIBRATOR FUNCTIONS

Source Functions

- Insulation resistance
- Earth resistance and continuity
- Loop, line, and ground bond resistance
- RCD and Ground Fault Circuit Interrupter (GFCI) tests
- Leakage current source
- AC/DC voltage generation

- AC/DC voltage and current measure
- AC Power, including phase
- Hipot voltage distortion, ripple coefficient
- Flash test voltage, Class I and Class II
- Load current

Measurement Functions

Voltage, Resistance & Current

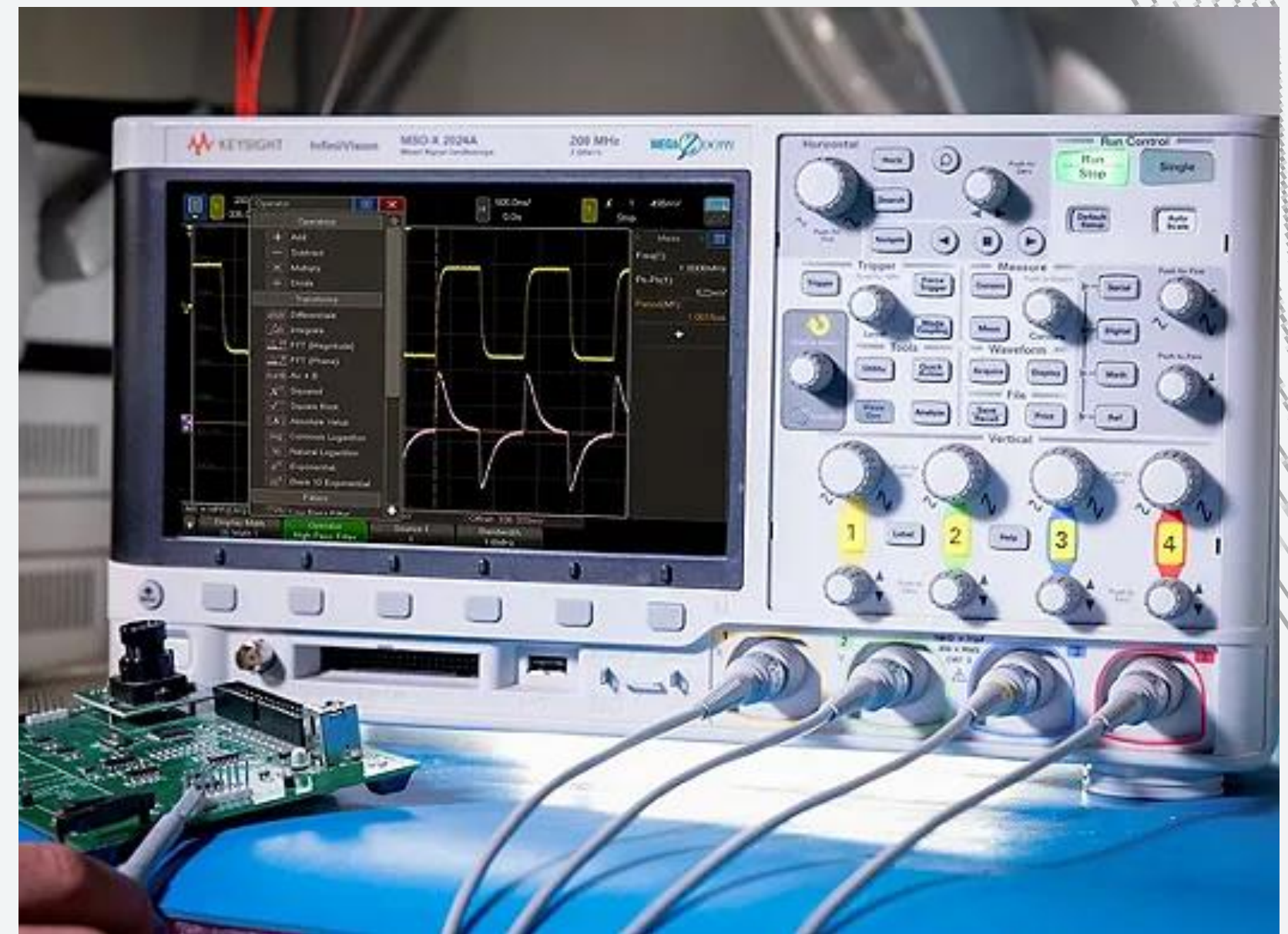
With these equipment, we can calibrate a wide range of devices, including:

- Dielectric strength testers (HIPOT testers)
- Insulation resistance testers (megohmmeters), including older analog testers
- Line/loop impedance testers
- Continuity testers
- Earth resistance testers
- Earth bond testers
- Leakage current testers
- Circuit breaker testers (RCD/GFCI)
- Multifunction installation testers
- Portable appliance testers (PAT)



FREQUENCY


- Our laboratory is equipped with advanced equipment essential for visualizing and analyzing electrical signals. Designed to meet calibration standards, it ensures precise and reliable measurements for a wide range of applications.
- This equipment is used to calibrate:
 - Oscilloscopes
 - Signal generators
 - Frequency meters
 - Spectrum analyzers
 - Ultrasonic devices



ROTATIONAL SPEED

- We have an optical calibrator to calibrate tachometers by verifying the accuracy of rotational speed (RPM) measurements using controlled light signals.



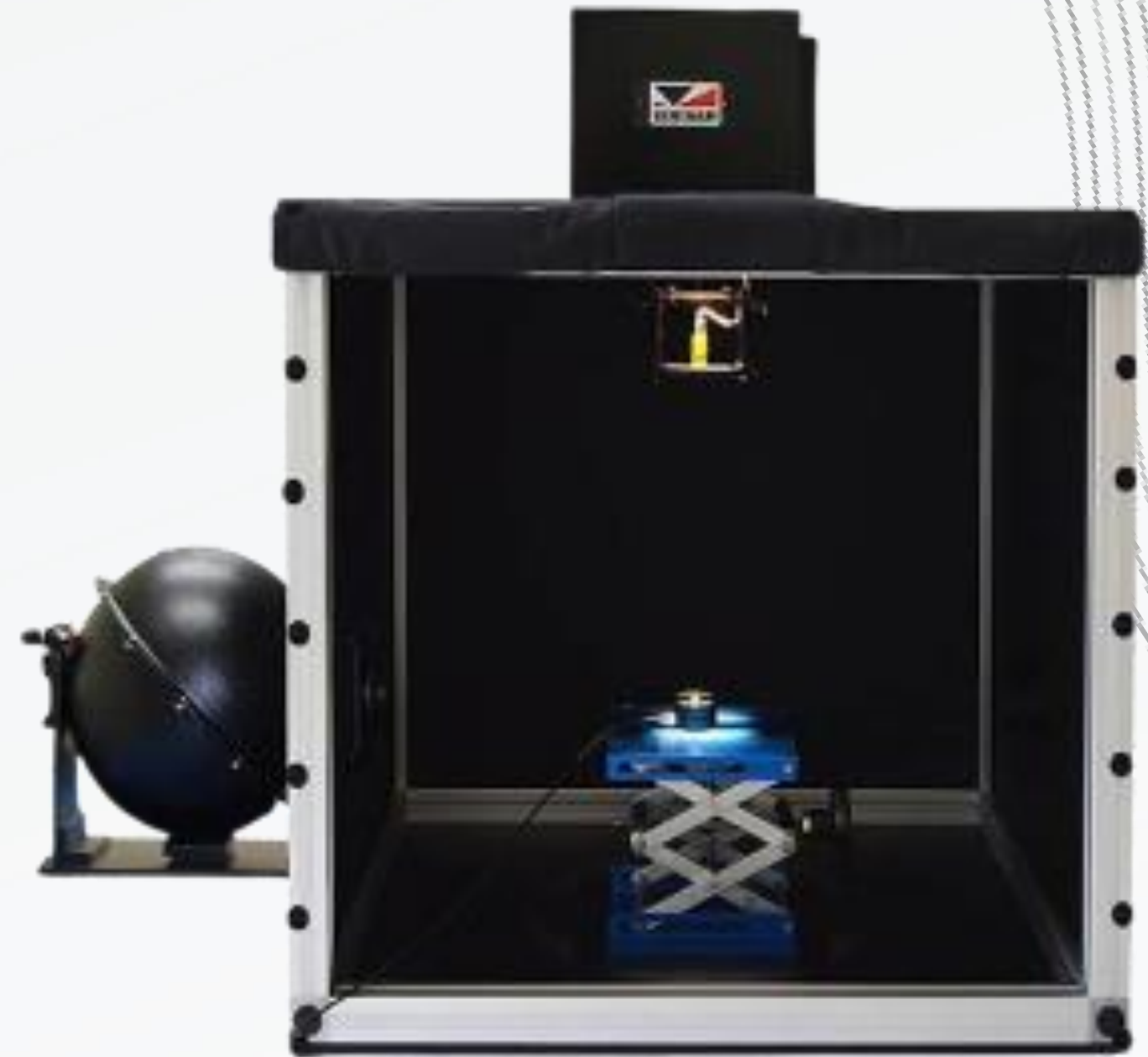


**This laboratory is dedicated
to the calibration and
verification of equipment in
the fields of
photometry, sound, and
vibration parameters.**

**LIGHT, SOUND &
VIBRATION
LABORATORY**

LIGHT

- Our laboratory is equipped with advanced instrumentation for the calibration of light instruments, including the ability to measure up to **20,000 Lux** for illuminance and **20,000 cd/m²** for luminance.
- These equipment are used to calibrate:
 - Lux meters
 - Luminance meters



SOUND

- For the calibration of sound measurement instruments, our sound level calibrator specifically generates calibrated sound levels of 94 dB and 114 dB at 1 kHz.
- This equipment is used to calibrate:
 - All types of sound level meters
 - Measurement microphones



VIBRATION

- For vibration, our laboratory is equipped with a high-precision instrument capable of producing vibrations at:
 - 7 adjustable frequencies
 - 5 adjustable amplitudes
- This equipment is used to calibrate:
 - Vibrometers and all vibrating probes
 - Accelerometers



**THANK YOU
FOR YOUR
ATTENTION**

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