Chrysaliide Solutions

Low-EMF electrical engineering consultancy

Services Catalogue 2027

Electromagnetic field measurement, consultancy and low-EMF electrical work for lower-exposure living and working spaces.

Take the necessary measures, protect your health!

Individuals | Businesses | Healthcare professionals | Local authorities

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Our services, from measurement to implementation, to reduce your exposure to electromagnetic fields and live with greater peace of mind every day.



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8 EMF survey services, from outdoor sources to your bedroom

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Introduction

Your electromagnetic environment, measured, analysed and controlled

Chrysaliide Solutions' mission is to help you better understand and reduce your exposure to electromagnetic fields, as a matter of precaution and comfort.

With more than ten years of experience, we work in homes and business premises alike. Wi-Fi, connected devices, antennas, electrical installations: sources keep multiplying, and only on-site measurements can reveal their actual levels.

Our approach is based on the precautionary principle and the ALARA principle ("as low as reasonably achievable"): measure first, then reduce unnecessary exposure.

01

Measurement

Measure to make informed decisions

We measure low- and high-frequency fields on site, from both indoor and outdoor sources. Every reading is recorded in a written report.

02

Consultancy

Know where to act first

We provide a measurement report and technical recommendations tailored to your installation, your budget and the way you use your spaces.

03

Solutions

Reduce your exposure, backed by measurements

Our teams carry out the agreed modifications: earthing, wiring, demand switches, wired or low-emission technologies.

Our services fall within the scope of measurement and electrical engineering; they do not constitute a medical procedure.

- ✓ Documented readings
- ✓ Before / after readings
- ✓ Single point of contact

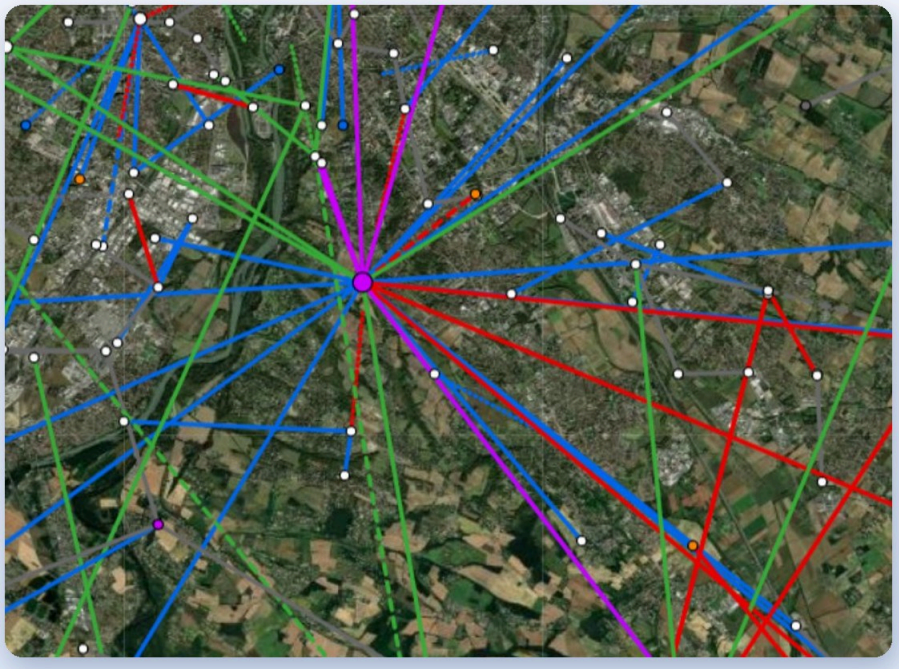
1.1 Measurement

EMF survey of your environment

Using precision measuring instruments, we identify the sources of electromagnetic fields around and inside your premises. Knowing your exposure level means you can act where it matters, for a better-controlled environment every day.

1.1.1	Geolocation of external EMF sources	1.1.2	Earthing measurement
1.1.3	Low-frequency measurement	1.1.4	High-frequency measurement
1.1.5	High-frequency monitoring	1.1.6	Dirty electricity measurement
1.1.7	Wi-Fi mapping	1.1.8	3D low-frequency mapping





1.1.1

Geolocation of external EMF sources

Outdoor environment

Identify the outdoor sources affecting your home or workplace.

- Mobile phone masts (3G / 4G / 5G) and microwave links
- High and extra-high voltage lines (HV / EHV), underground lines, transformers
- Analysis of frequencies, azimuths, distances and intensities



1.1.2

Earthing measurement

Earthing check

Effective earthing: the foundation of electrical safety and of reducing electric fields.

- Earth resistance measurement (in ohms) with specialised instruments
- Check of key earthing points with reference to the NF C 15-100 standard
- Continuity of protective conductors and installation safety



1.1.3

Low-frequency measurement

Electric & magnetic fields

Pinpoint the “hot spots” in your installation to reduce your everyday exposure.

- Fields from the electrical installation and your equipment
- Source and intensity of hot spots, room by room
- Home and workplace living spaces



1.1.4

High-frequency measurement

Radiofrequency fields

Know exactly which waves pass through your spaces, so you can choose the right actions.

- Spectrum analyser measurement: mobile phone masts, Wi-Fi, phones, radiating equipment
- Power density and frequency of each source
- Ability to penetrate your walls



1.1.5

High-frequency monitoring

Long-term exposure measurement

Track how exposure changes over time, so you can anticipate and respond quickly.

- Sensors continuously measuring high-frequency emissions
- Ideal for changing environments
- Variations detected and analysed



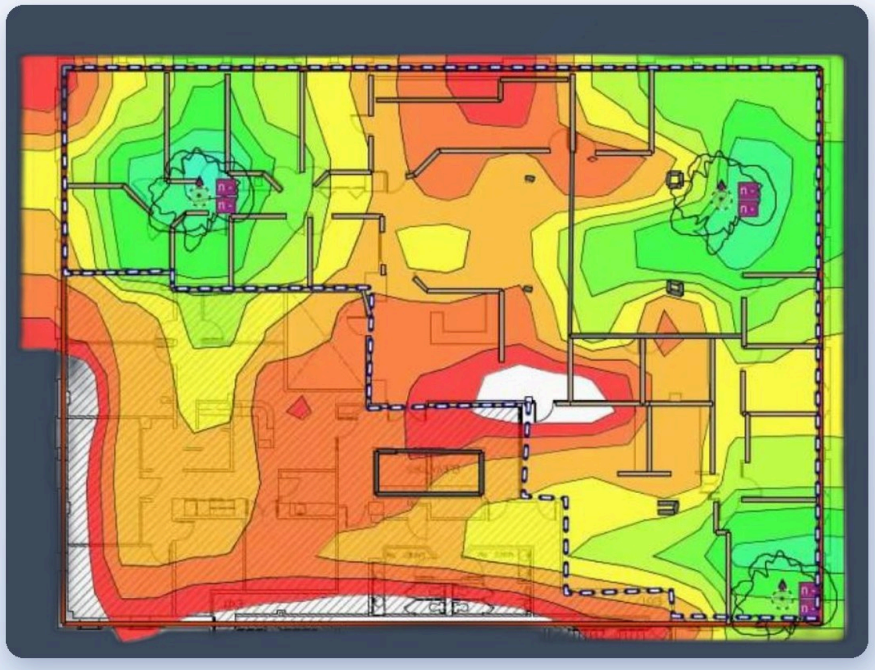
1.1.6

Dirty electricity measurement

Electrical network disturbances

Measure the disturbances on your electrical network to clean up your installation.

- Intermediate frequencies (kHz) and transients superimposed on the 50 Hz supply on lines and cables
- Sources: halogen lamps, CFLs, fluorescent tubes, inverters, computers, appliances, PLC (Linky) meters
- Amplitude and source of each disturbance



1.1.7

Wi-Fi mapping

Coverage & intensity

See the most exposed areas of your home or premises.

- Wi-Fi networks on site and in the neighbourhood
- Coverage and intensity, zone by zone
- Adjustments to reduce exposure in your key living spaces



Before · values in V/m

After · values in V/m

1.1.8

3D low-frequency mapping

Bed, desk, treatment area

A better-controlled environment where you spend the most time.

- NFAsoft software by Gigahertz Solutions
- Electric and magnetic fields around the bed, the desk, a massage table or a powered chair
- Tailored solutions to reduce exposure in these areas

1.2 Consultancy

Engineering consultancy

Chrysaliide Solutions advises you at every stage of your project to modernise your installations and improve their quality. Our recommendations combine electrical safety, energy efficiency and electromagnetic field reduction. We help you choose low-EMF equipment and good practices, with results verified by measurement.



1.2.1 Electromagnetic hygiene

1.2.2 Support

1.2.3 Training



1.2.1

Electromagnetic hygiene

Awareness

Understanding your environment: the first step towards limiting unnecessary exposure.

- Everyday sources: Wi-Fi, smartphones, mobile phone masts, high-voltage lines, connected devices
- Simple good practices to limit unnecessary exposure
- Reliable resources for you and your loved ones



1.2.2

Support

Professional synergy

A technical partner for your projects, from design to renovation.

- Architects, project managers, engineering firms and tradespeople
- Design and optimisation of low-EMF electrical installations
- Long-lasting work, compliant with current standards



1.2.3

Training

Teaching

Helping your teams deal with electromagnetic fields independently.

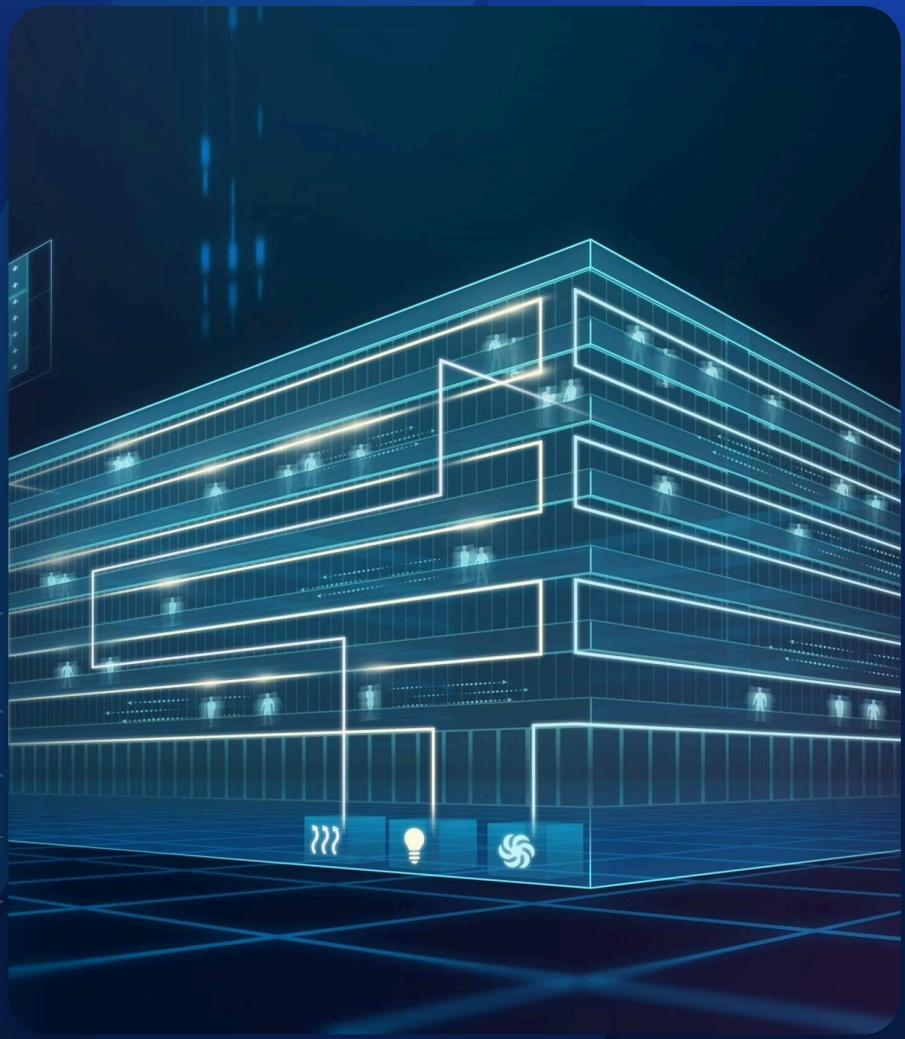
- Clear, structured fundamentals of electromagnetic radiation
- Practical tools and detection techniques
- Implementing lasting solutions, in a personal or professional setting

1.3 Solutions

Low-EMF electrical installation & system integration

Thanks to continuous technology watch and our partners, we turn measurement results into practical actions to control your exposure to electromagnetic fields. Our qualified teams also carry out general electrical work, with a 24/7 emergency call-out service.

1.3.1	Low-EMF electrical installation & renovation	1.3.2	Earthing optimisation
1.3.3	Automatic field switches	1.3.4	PLC filters
1.3.5	RJ45 Ethernet installation	1.3.6	PoE installation
1.3.7	ÉcoWiFi	1.3.8	Li-Fi
1.3.9	EnOcean technology	1.3.10	EMF shielding coatings
1.3.11	Online shop		





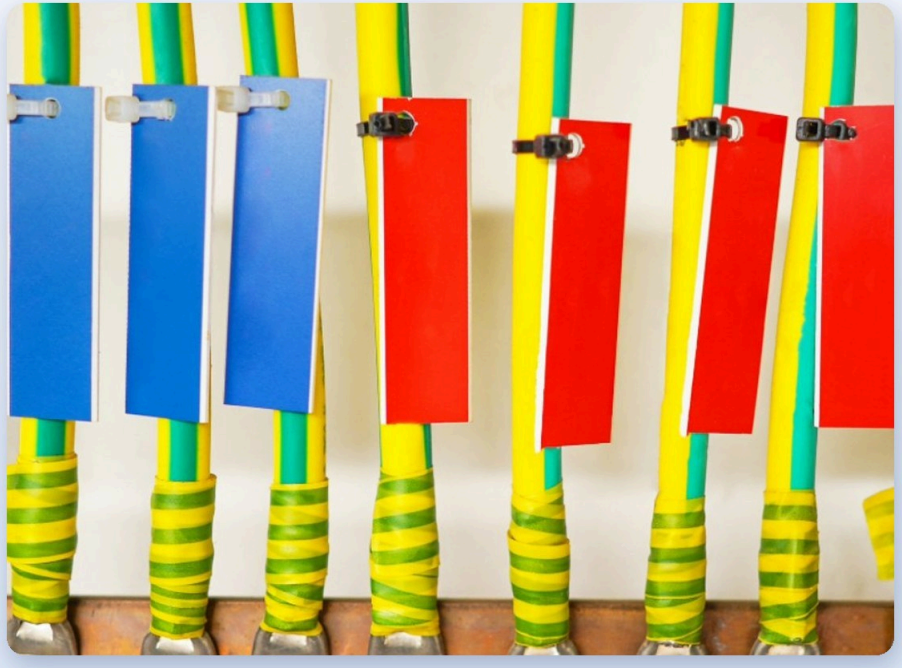
1.3.1

Low-EMF electrical installation & renovation

Electrical installation

A modern, safe installation designed to limit electric and magnetic fields.

- Bringing the consumer unit up to standard (NF C 15-100)
- Replacement of old cables with earthed shielded (screened) cables
- Residual current protection and relamping



1.3.2

Earthing optimisation

Bonding & earth resistance

Safety of people and equipment, and reduction of electric fields.

- Complete installation of earthing connections
- Additional earth rods, copper conductors of suitable cross-section, earth plates
- Earth resistance measured and recorded after every job



1.3.3

Automatic field switches

Automatic field switches

Fewer live circuits where you rest, thanks to the automatic switching-off of inactive circuits.

- Automatic power cut-off on unused circuits
- Reduction of permanent electric fields in rooms
- Night-time comfort cut-off of circuits



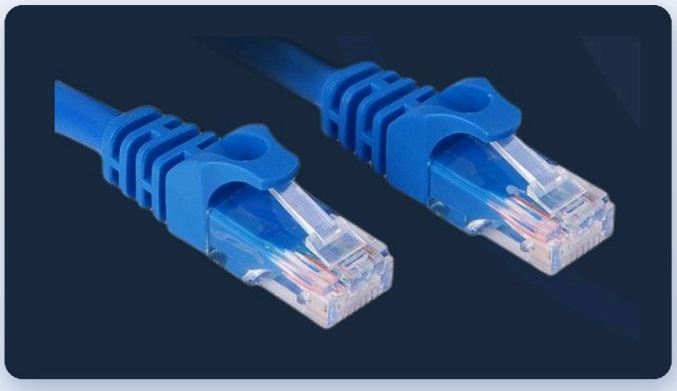
1.3.4

PLC filters

Mains filtering

Cleaner electricity for your installation and your equipment.

- Filtering of PLC signals and high-frequency disturbances (dirty electricity)
- Attenuation of unwanted frequencies on the network
- Fitted after the main breaker (meter unaffected) or at a socket



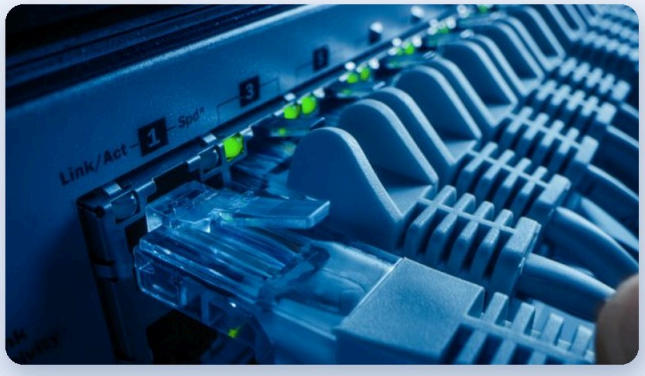
1.3.5

RJ45 Ethernet installation

Wired network

A stable, fast connection with no radiofrequency emissions.

- RJ45 cabling to replace or complement Wi-Fi
- Reduced exposure to Wi-Fi radiofrequencies
- Improved connection speed and stability



1.3.6

PoE installation

Power over Ethernet

Data and power through a single RJ45 cable.

- Simultaneous transmission of data and power
- Network devices installed without an extra power socket
- Switch configuration for optimal integration



1.3.7

ÉcoWiFi

Wi-Fi on demand

Wi-Fi only when you need it.

- Switchable device: Wi-Fi network enabled on demand
- Radio emissions suspended when not in use
- Compatible with standard routers, optimised energy consumption



1.3.8

Li-Fi

Connection by light

A high-speed connection by light, with no radiofrequency emissions.

- Data transmission via LED or infrared light
- Technology based on the optical spectrum
- A complement or alternative to Wi-Fi



1.3.9

EnOcean technology

Batteryless, wireless

Self-powered controls for an eco-friendly building.

- Very brief, low-power radio emissions (868 MHz), only when a control is used
- Self-powered control of lighting, heating and security
- Fewer live cables in the walls



1.3.10

EMF shielding coatings

Paints, wallpapers, fabrics

Reduce the high frequencies entering your living spaces.

- Shielding paint, wallpaper or fabric against high frequencies (Wi-Fi, 4G / 5G)
- When earthed, they also reduce low-frequency electric fields
- Coating chosen according to the measurements taken

1.3.11

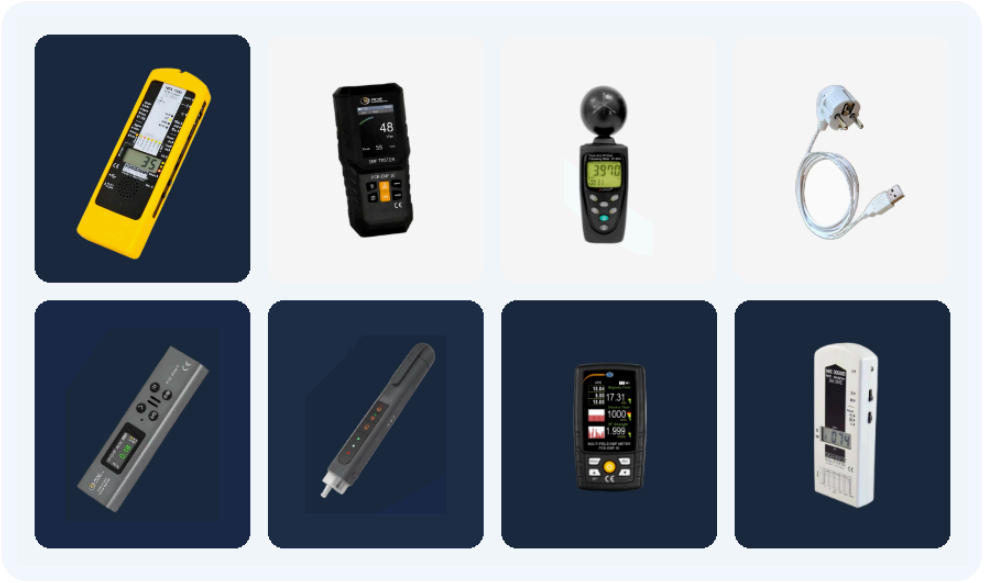
Online shop

Accessories, devices and measuring instruments

Find our ranges of equipment and the essential accessories to reduce your exposure to electromagnetic waves on our online partner's website.

- Low- and high-frequency measuring instruments
- Electromagnetic field reduction devices
- Accessories for home and office

smartsolutions.chrysaliide.com



Smart Solutions

Chrysaliide Solutions partner shop

Sectors

Individuals, businesses, public bodies: one common method, with solutions tailored to each place.



2.1

Residential

Detached houses, blocks of flats, co-owned buildings, social housing, student and senior residences, second homes.

Homeowners, investors and property managers enhance the safety and environmental quality of their properties.

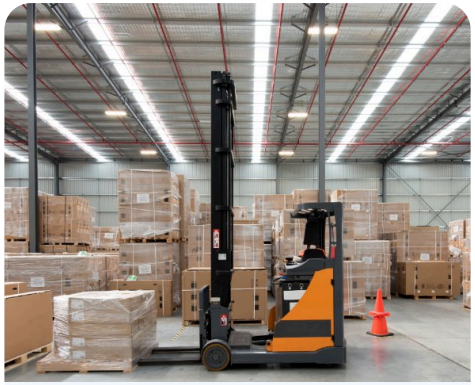


2.2

Commercial

Offices, coworking spaces, shops, supermarkets, hotels, restaurants.

Premises with a controlled electromagnetic quality, in line with the safety standards of each activity.



2.3

Industrial

Production sites, factories, workshops, warehouses, logistics platforms, hangars, distribution centres.

In-depth EMF surveys and custom field-reduction systems, adapted to your technical requirements.



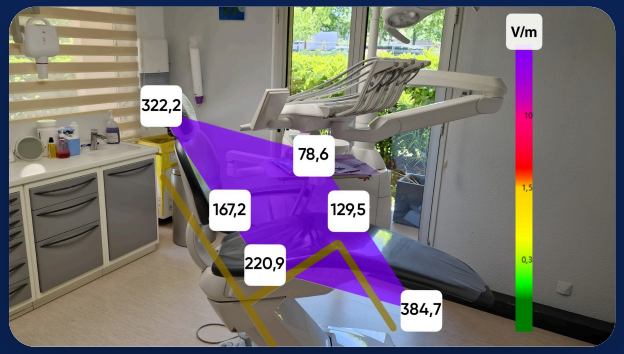
2.4

Local authorities

Municipalities (town halls, nurseries, schools), départements (secondary schools, social services), regions (high schools, training centres).

Awareness-raising, exposure measurements and preventive actions for the peace of mind of public space users.

2.5 · Healthcare practices and professionals — a specialised service, presented on the next page →



3D mapping of electric fields around a dental chair


Medical, physiotherapy and osteopathy practices

Specialised service

Healthcare practices and professionals

Give your patients and your team a place of care with a controlled electromagnetic environment: we measure the fields in your practice and reduce unnecessary exposure, with measurements to back it up.

Doctors · Osteopaths · Physiotherapists · Dental surgeons · Medical and allied health practices · At the practice or at home

Measure

Electric, magnetic and radiofrequency fields: wiring, lighting, computers, Wi-Fi, DECT phones, powered tables and chairs, medical devices (measurement only).

Act

Practical solutions installed by our teams: earthing, wiring, automatic field switches, filters, RJ45, Li-Fi, shielding coatings, with no work on medical devices.

Verify

A measurement report comparing levels before and after the modifications.

- Discreet visit, scheduled when it least disrupts your activity
- Detailed quote, with options to suit your budget
- A practical precautionary approach for your workplace and your team

Request an EMF survey of my practice

Our services fall within the scope of measurement and electrical engineering. For any health question, please consult your doctor.

3.1

EMFIS®

EMFIS® Partner

EMFIS® (Electromagnetic Field International Standard) is a private assessment programme for buildings and living spaces, within a sustainable construction approach aiming for low electromagnetic emissions. As a partner, we support your projects through this process.

Comfortable, controlled buildings
Property projects where occupant comfort is a priority, with measured and controlled exposure levels.

Property value
A distinctive asset for buyers looking for comfortable, eco-friendly living spaces.

Positive environmental impact
A reduced “electrosmog” footprint for your building.

Environmental commitment
Digital sobriety and the ecological transition at the heart of the project.

3.2

LISAO®

Partner and approved advisor

LISAO® is a label that qualifies electromagnetic environments according to their use, based on on-site measurements following a transparent and reproducible method. As a partner and approved advisor, we support your site through this process.

Occupant comfort
Reduced exposure to waves, for an environment better suited to rest and daily life.

Differentiation
An innovative positioning, in step with the growing demand for “low-wave” spaces, especially in tourism.

Commercial added value
“Unplugged, restorative” concepts for guests looking to disconnect.

Partners

Chrysaliide Solutions works with organisations committed to preventing and reducing exposure to electromagnetic waves. Together, let's advance prevention and measurement. **Join our partner network.**

4.1 Measuring devices & equipment

GIGAHERTZ SOLUTIONS®

PCE INSTRUMENTS

MILERD

NOD ON

Inalterra

poé tic

wicaya

4.2 Low-EMF electrical installation

courant au fil du conduit

flexaray

prefilzen

POLIER Maîtrise de l'Energie

4.3 Geobiology

Confédération Nationale de Géobiologie

Chrysaliide Solutions

Low-EMF electrical engineering consultancy

Let's talk about your project

EMF survey, low-EMF electrical installation or general electrical work: tell us about your site and your needs, and we will propose a suitable service and a detailed quote.

Phone
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chrysaliide.com

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Scan to contact us

chrysaliide.com/contact

Request a quote →

Electrical emergencies 24/7

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Take the necessary measures, protect your health!

Our services fall within the scope of measurement and electrical engineering. For any health question, please consult your doctor.

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