

THE LINKY METER



Régie d'Electricité de Thônes

If you need to get in touch with us:

OUR OFFICE :

RET
8, Voie Eugène Fournier-Bidoz
74230 Thônes

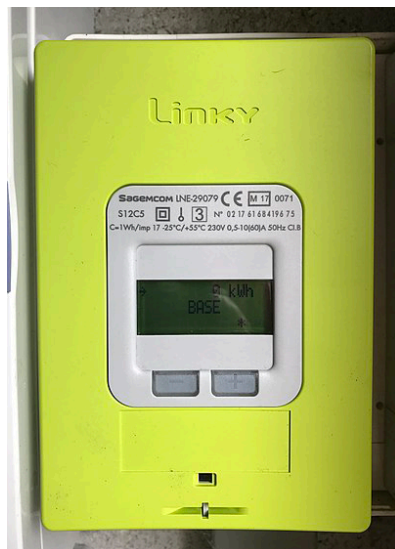
BY EMAIL OR TELEPHONE:

+33 4 50 32 17 17
service-client@ret.fr

For more than 80 years, the Régie d'Electricité de Thônes has actively take part of improving the quality of life of the valley residents and is participaing to the development of the communes through its role as electricity distributor and supplier.

ALL ABOUT THE LINKY METER

The Régie d'Électricité de Thônes is currently in the process of replacing its meters as requested by the law. As mentionned in the **Article R.341-4 of the French Energy Code**, to take measures to make better use of the public electricity networks, distribution network operators shall implement metering systems enabling users to access data relating to their output or consumption, and third parties authorised by users to access data relating to their customers.



Metering devices have to possess a system to record and process the data built-in, and it has to be available on at least a daily basis. Network users and third parties authorised by the users shall have access to this data under transparent, non-discriminatory conditions, adapted to their specific needs and subject to the confidentiality regulations set out in articles R. 111-26 to R. 111-30 of the French Energy Code.

IN SUMMARY

The purpose of this document is to provide you with as much information as possible about the replacement of your electricity meter. Prior to its replacement, you will receive an explanatory letter from RET. The installation of the new Linky meter will be carried out by our service provider, **“Solutions 30” between 2021 up to 2024, the deadline stipulated in the Energy Code.**

WHAT'S NEW WITH THE LINKY SMART METER



WITH LINKY

Moving in is made easier
You have electricity within
24 hours

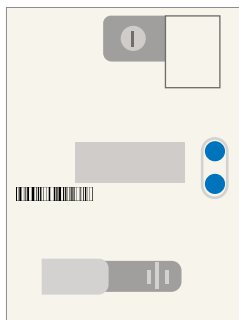
**Managing
your electricity
consumption is
simplified.**

A simple meter reading.
(no more estimates*)
This is done remotely and
no appointment is required

**Faster detection of any
faults on the network:**
Diagnostics are performed
without effort and
interventions **will take less
time.**

New services proposed to customers (possibly off-peak
hours at weekends, elimination of estimated bills, etc.)

***your electricity consumption is charged based on your
actual meter reading.**



WITHOUT
LINKY

The service is
implemented within **5
working days**

Today, any problems on the
network are **only detected
through customer reporting**

Meter reading often **requires an
appointment** where the customer must be
available at any given time.

Energy consumption is only available every
6 months.

IS INSTALLING THE METER COMPULSORY?

Do I own the meter ?

No, the equipment is lent to you, but it's not yours. It is part of the public network (concession). In order to fulfil its public service mission, and as outlined in your electricity contract, RET must have access to the meter.

Is this replacement compulsory?

Yes. It is essential and regulated by law (Article L. 341-4 of the French Energy Code). It's required by the law, and you have to proceed to the replacement. If the meter replacement is not possible, you will have to pay for a "special meter reading" which must take place out at least once a year. The meter reading invoice will depend on the service, with descriptions are displayed on the RET website.

A major initiative in France

This meter upgrade set out by the public authorities is part of a **desire to keep going forward as the society is constantly evolving**. As such, the aim is to **provide a more efficient network** while also offering **better services** to users (individuals, professionals, local authorities).



From an ecological perspective, the Linky project is not just about installing meters. The project also involves recycling used meters. The "discarded" meters go into a recycling and recovery process in compliance with environmental commitments (WEE: Waste Electronic and Electrical Equipment).

The various materials recovered (cables, fuses, cardboard, plastic film, etc.) are then sorted according to their type and dispatched to other industries, where they will be given a second life. Ultimately, more than 75% of the old meter are recycled and recovered.

THE LINKY METER AND MY HEALTH

The new Linky smart meter uses **PLC technology**, known as Power Line Communication, to operate and transmit reading data. The PLC system has been around for a long time, making it possible to create an IT communications network using existing electrical cables. This system is **already widely used to send the off-peak signal to electricity** meters, among others.

THE LINKY METER

is like a traditional electricity meter. It measures your electricity consumption



PLC

01001101010001110101101100110

Thanks to power line communication (PLC), the Linky meter transmits your previous day's electricity consumption once a day

Same location, same size as your current meter.



What is the exposure to electromagnetic fields?

Like any device, the meter and PLC signal produce an electromagnetic field that dissipates with distance. According to the National Frequency Agency (ANFR), "the meter does not lead to a significant increase in the ambient electromagnetic field level." It is comparable to a 5-watt LED bulb.

Have any measurements been carried out?

As the French government stated in 2013, smart meters comply with all the standards in force concerning exposure to electromagnetic fields and, in particular, the thresholds set by the World Health Organization.

EXPOSURE RELATED TO THE USE OF EVERYDAY OBJECTS

Unlike WiFi, mobile phones, GPS, FM radio or Bluetooth, which all transmit via ambient air, the Linky meter does not use radio waves (radio frequencies) to communicate.

ELECTRONIC BLUE METER



LINKY SMART METER



The electromagnetic field of the two meters is equivalent*

* it is between 0.25 V/m and 2 V/m for a regulatory limit value of 87 V/m in this frequency range.

LOW-ENERGY LIGHT BULB

15V/m à 30 cm



WI-FI BOX

0,3 V/m à 10 cm



COMPUTER

4 V/m à 50 cm



CORDLESS PHONE (base)

1,8 V/m à 40 cm



INDUCTION HOB

6 V/m à 40 cm



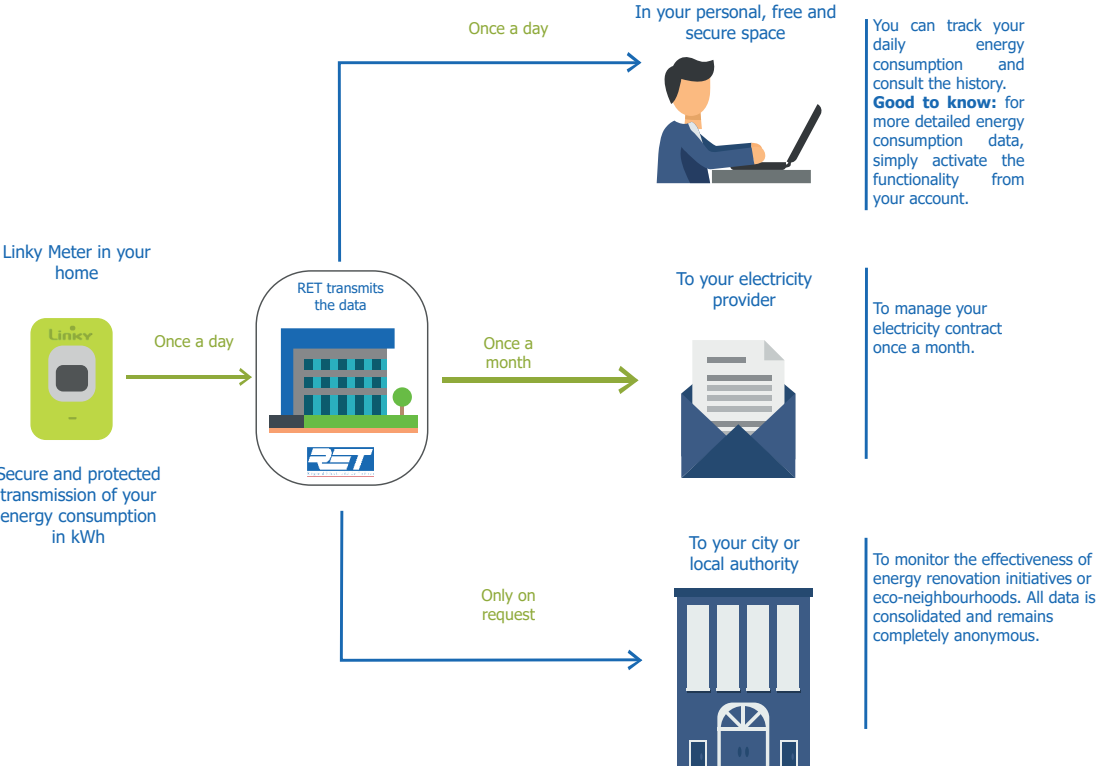
MICROWAVE OVEN

3 V/m à 40 cm



Source : ANFR, measurements taken in customers' homes.

MY DATA PATH



PRIVACY



What data is recorded by my meter?

Like the former meters, Linky simply measures the total electricity consumption of the household in kilowatt per hours. It is not able to identify any sub-category of electricity consumption (television, dishwasher, etc.) and does not collect any personal information (name, bank details, etc.).

What about my personal information?

The personal information that you send to your supplier do not pass through the meter, only you have access to them

Is my data secure?

Yes, because your data is encrypted for transmission and is stored in a system approved by **ANSSI***. RET has put in place security systems to anticipate or detect any intrusion attempt, with teams dedicated to monitoring the information system.

***ANSSI:** (National Agency for Information Systems Security)

QUESTIONS/ANSWERS



Is the Linky meter equipped with a camera ?

The small black dot on the meter is a **bright LED** that flashes according to your electricity consumption. There is no camera in the meter.

Is my consumption data automatically recorded in detail ?

No. By default, your meter is set to communicate daily with your operator. It also send this data to your provider, your approval is required.

Will installing a smart meter be charged to my bill ?

There is no charge for installing the meter. The costs of this service are covered by RET. A Linky meter reads exactly the same energy as an old electronic or electromechanical meter.

Does the installation of the meter change my contract with my electricity provider ?

The terms of your agreement remain unchanged. Meter replacement does not entail a change of provider or a change of contract (e.g. if you have subscribed to the Peak/Off-peak offer, this will stay in place).

QUESTIONS/ANSWERS

Will my provider be able to cut off my electricity remotely without telling me ?

Introducing this type of meter does not change the current procedures for people who have difficulties financing their electricity bills (e.g. unpaid bills). Today, as before, RET only cuts off electricity at the request of your supplier.

Does the service provider “Solutions 30” have sufficient experience ?

The technicians recruited by Solutions 30 receive mandatory training through a national training course. RET requires that they are qualified to work on live installations and they have undergone “Linky Technician” training.

Does the Linky smart meter cause the electricity supply to trip more frequently ?

No, the tolerance margin for power overruns is the same as before with old meters. When the meter is installed, if there is a discrepancy between the contractual power and the circuit breaker setting, the technician resets the installation to the correct power.

Are old meters recycled ?

Yes, the meters are recycled according to the regulations in force. The old meters are retrieved by technicians at the time of installation.

What is the service life of the Linky smart meter ?

Around twenty years. The system is scalable, allowing meters and concentrators to be updated remotely.



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CONTACT

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