NEWSLETTER N°46 – May 2022

Contents

1-FISUEL General Information

For rich newsletters:
We would like to thank MEGGER, FESIA, QUALIFELEC, IECEE, ONSE for providing FISUEL with information to share, all of which relate to electrical safety.
Continue to enrich the newsletters with your articles that seem to you to be of interest to electricity users

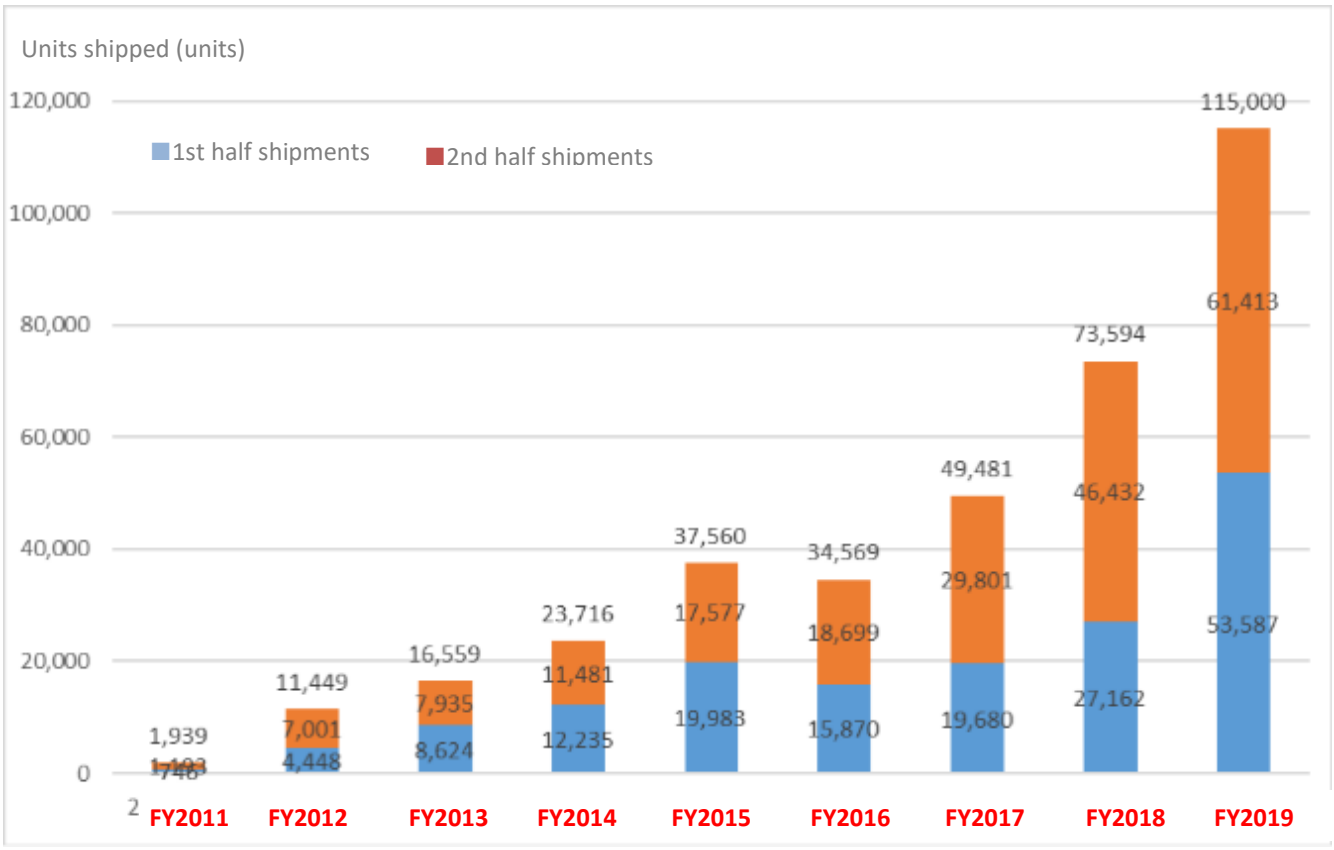
FISUEL website : https://www.fisuel.org/
World Safety Barometer website : It offers the possibility of comparing the level of electrical safety, country by country according to 13 criteria. https://www.safetybarometer.org/

We remind :
- the administrative correspondence email is Patrick Aubelis: patrick.aubelis@fisuel.org,
- the FISUEL Head Office at 21 rue Ampère, Paris, 75017, France.
- the telephone number of the General Secretary: + 33 (0) 6 86 51 84 92

Reminder of some articles covered in the Newsletters:
- NL44: Get involved with Electriciens sans Frontières
- NL45: WorldSafeyBarometer website, Cossuel in Senegal, Electriciens sans Frontières in Lebanon

2- The popularization and safety of stationary storage batteries in Japan

Stationary storage batteries are becoming increasingly popular in Japan, with shipments of stationary lithium storage batteries in fiscal 2019 exceeding 110,000 units. About 90% of these were for household use, and are expected to be used for private consumption of surplus solar electricity.



(Source: The Japan Electrical Manufacturers' Association [JEMA])

Meanwhile, the Japanese government announced its "Carbon Neutrality by 2050" declaration in October 2020, and in order to achieve this goal, the government plans to formulate a Green Growth Strategy as well as Action Plans for 14 key industrial fields.

One of the 14 key industrial fields is the "Automobile and battery industries." Storage batteries will be needed not only for the electrification of automobiles, but also for the popularization of renewable sources of energy such as solar cells and wind power. The Japanese government has set its target for the total cumulative capacity of stationary storage batteries installed for household, commercial and industrial use by 2030 at approximately 24 GWh. The government plans to promote policies that provide support for R&D, technology demonstrations, and capital investments, as well as for the development of institutional frameworks for promoting battery reuse and electrical safety, and international collaboration in the area of standardization.

The safety of stationary storage batteries must also be ensured to promote their popularization. Stationary storage batteries for household use are not subject to periodic inspections carried out by electric power companies or by inspection organizations, such as the Electrical Safety Inspection Associations that are commissioned by electric power companies, so owners are recommended to hire specialized companies to carry out necessary inspections. Some models are designed to automatically display an "Inspection Notice" when the number of years in operation or other parameter reaches a specified value.

Large-scale stationary storage batteries for commercial and industrial use have often been attached to power plants, substations, or sites of demand. Going forward, however, they are also expected to be installed independently and interconnected with power transmission or distribution systems. For this reason, the Ministry of Economy, Trade and

Industry (METI) is taking the lead in establishing the legal status of "electrical storage stations," technical standards for electrical safety, standards for maintenance and inspection, rules related to maintenance management engineers, and rules for reporting in the event of accident.

Example of a large-scale stationary storage battery facility (Source: Ministry of Economy, Trade and Industry)

Source : Fesia Japan

3-New International ISO/PC 329 project Committee

The ISO approach is initiated on analyses of incidents affecting consumers.

A new topic (NWIP) was proposed relating to the creation of a new international ISO/PC committee on guidelines for the analysis of incidents affecting consumers.
This proposal was prepared by the ISO Consumer Policy Committee (COPOLCO) and supported by Japan transmitted via its national standards body, the JISC.

The stated objective is to develop an ISO international voluntary standard providing guidelines for the analysis/investigation of incidents in which consumers are physically injured or die while using products, services, facilities or orthers, and this in order to prevent the occurrence of new incidents.
Fisuel will follow the progress of the work of this Normative Committee.

4- IECEE Webinar with RNF – March 29, 2022

“On March 29, 2022, the International Electrotechnical Commission (IEC) through its Academy (IEC Academy) and the Réseau Normalization et Francophonie (RNF) organized a webinar on IEC Conformity Assessment Systems with a focus, the IECEE System which concerns the certification of electrotechnical products and components. More than 300 people participated in this first webinar for French-speaking countries.

During this webinar, Marie Claude Drouin, Secretary General of the RNF, took the opportunity to present her organization, which brings together thirty French-speaking countries around the world. The mission of the RNF is in particular to promote standardization as a tool of economic diplomacy because – she says – “Who makes the standard makes the market”.

As for Mr. Yapo François Ahoti, Regional Director of the IEC for Africa, he briefly presented the IEC, endeavoring to show that the IEC is the leading international organization in terms of standardization in the electrotechnical field, emphasizing the deployment by the IEC of several Conformity Assessment Systems, recognized and used worldwide.

The main part of this webinar was the work of Pierre Selva, member of Fisuel and Expert of the IEC and its conformity assessment systems. In his speech, Pierre presented the four IEC Conformity Assessment systems, namely:

1. IECRE for the conformity assessment of renewable energy systems
2. The IECQ for the conformity assessment of electronic components
3. IECEx for the conformity assessment of equipment used in explosive atmospheres.
4. And the IECEE for which he went in more depth giving details on the importance of this system for the acceptance of electrotechnical equipment in international trade and access to the markets of countries in all geographical areas of the world.

For these four systems, the IEC issues certificates which are freely available on its website.

Here is the link to view the webinar: https://go.iec.ch/4b”

5-Qualifelec – Qualification of companies in France

The qualification of companies, a tool at the service of the quality and safety of electrical installations
Qualification is a voluntary process that allows a company to have its skills and ability to carry out a specific activity recognized by a third party, by meeting both the safety requirements imposed by the standards in force and those related to the quality expected by users.
Created in 1955, Qualifelec is the historic qualification body for the electrical, energy and digital sector in France. Its objective is to contribute to the quality, safety and performance of electrical installations, for the benefit of users. To fulfill this objective, Qualifelec relies on the solid and impartial qualification system, recognized as a reference in the qualification of companies.

Qualification, a mark of excellence for the company
The qualification of a company is a singular mark in the landscape of quality, a French specificity, governed by standard NF X50-091, specific to Professional Qualification Bodies.
Compliance with this standard guarantees the impartiality and independence of the qualification body, acting as a third party between the company and its customers, as well as its ability to develop and implement standards.

The qualification of a company assesses, by examining what it has been able to do and what it has the means to do, its skills and know-how to carry out specific work in a given activity. It certifies the capabilities and professionalism of the company

on the basis of controlled and regularly updated information. All of these criteria are listed in reference documents, which cover Qualifelec's field of expertise.
These qualification standards are developed in consultation with all market players and constantly adapt to technological, normative and regulatory developments, while taking into account aspects of electrical safety and new uses that are developing.

An exemplary qualification processes
Each qualification request to Qualifelec is processed in three stages.
Upon receipt of the requests, Qualifelec takes care to directly question the customers of the companies, in order to estimate their degree of satisfaction with the work carried out. The assessment of the company's skills by those who have called on it is a key element of recommendation. In the quality approach of Qualifelec, this opinion is given according to objective criteria of execution times, conformity of the works and respect of commercial commitments.
Secondly, the Qualifelec instruction center checks that the file is complete and complies with the reference system for the qualification requested.

Finally, the request is studied by a qualification committee, the only body authorized to award qualifications. Within these committees, qualifiers, volunteer experts recognized for their professionalism, examine the request to validate its consistency and carefully assess the skills and know-how of the companies. Every decision is made collectively.

Because the strength of Qualifelec's qualification system lies in this community of 350 qualifiers, spread across the entire territory. Qualifiers sit on 12 qualification committees. They come from the three colleges that make up the Qualifelec bodies:

- The college of professional organizations in the sector,
- The college of customer representatives and qualification prescribers,
- The institutional college.

They thus reflect all the interests of the electrical, energy and digital engineering sector, with professionals, strong in their "business" vision, qualifying on par with principals and institutions.
Under the terms of this process, Qualifelec issues qualified companies with a qualification certificate. This official document is the synthesis of the company's skills, recognized by an objective third party.

The qualification certificate, a mark of excellence and trust
Having a Qualifelec qualification certificate is an advantage for companies. It allows them to stand out from the competition, to strengthen the confidence of their customers in their skills and to gain visibility and notoriety, thanks to the referencing possibilities offered by Qualifelec on its search engine and through its partnerships.
The qualification certificate provides users with objective information on the profile of the company, its know-how and the quality of its services. It guides them in the choice of a company and reassures them when engaging in work.

The certificate issued by Qualifelec thus reflects the competence of the company, recognized by an objective third party. The use of the Qualifelec brand, which is regulated, is a tool to improve its visibility. Finally, the qualified company is visible on a search engine available on the Qualifelec website. The user thus has objective information on the profile of the company and its competence.

Qualifelec works every day to improve the visibility of qualified companies and support project owners in their work procedures.

6-First edition « MEGGER Africa Summit » May 2022 Dakar Senegal

Megger Africa Summit is an exclusive and unprecedented event on the African continent.
From May 10 to 12, 2022, Megger, a leading international industrial group in the manufacture of test and measurement equipment for electrical installations, organized its first Summit dedicated to the African continent in Dakar, Senegal.

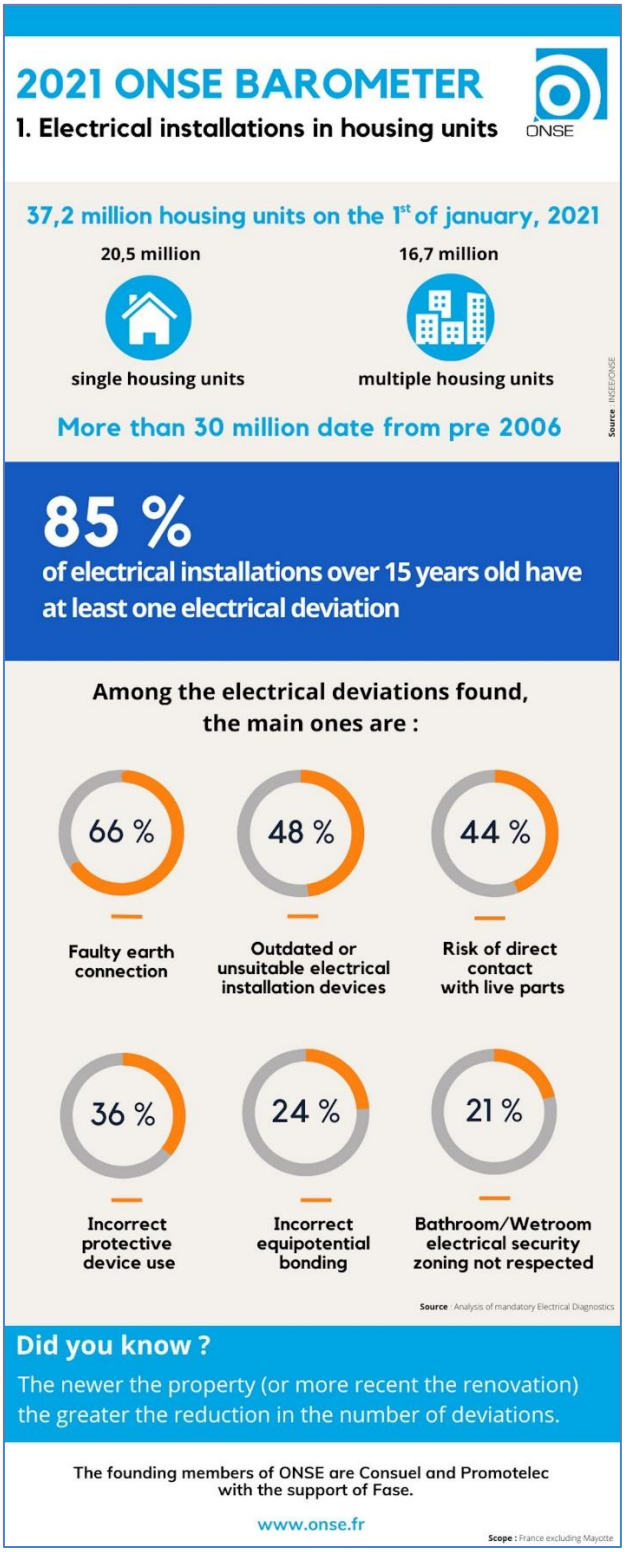
This Summit was inaugurated by Mr. Mamadou SYLLA, Director of SECUREL and active member of FISUEL, and Mr. Mor KASSE, Managing Director of COSELEC and President of FESELEC (Federation of Senegalese Electricity Companies).

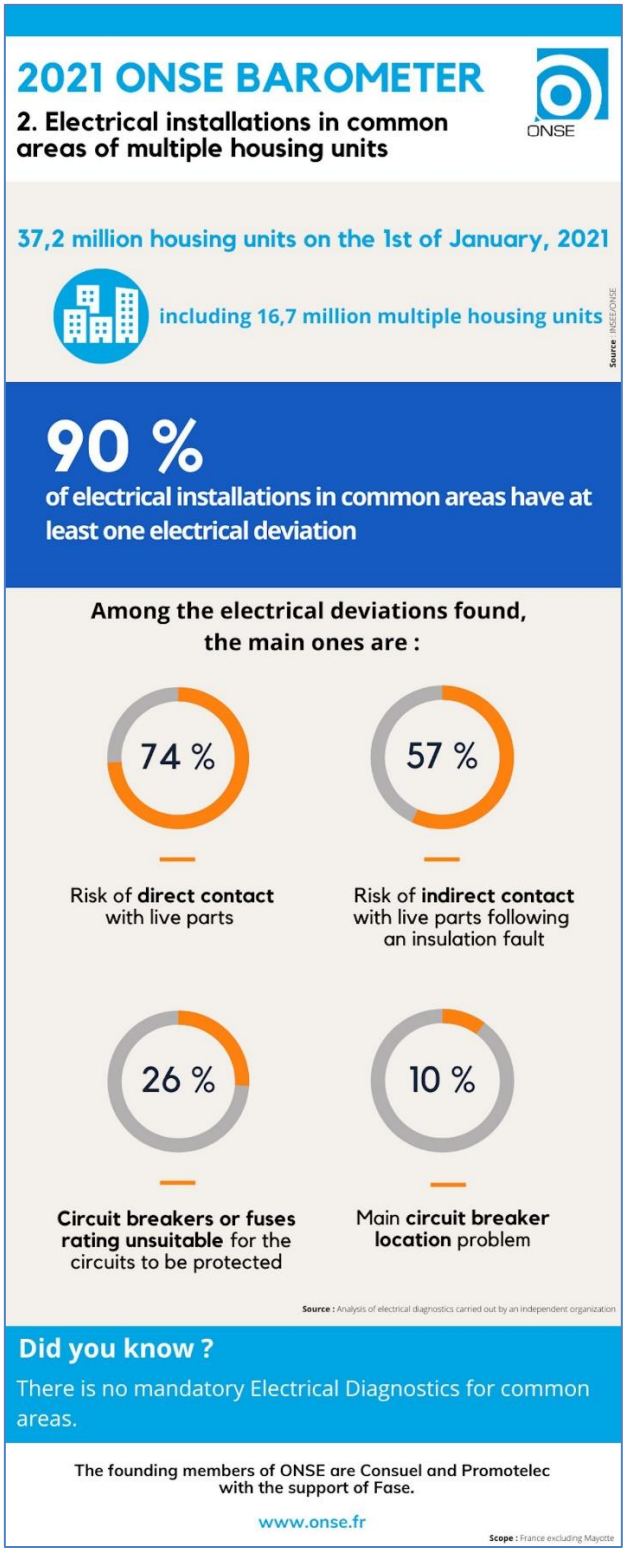
Some members of Fisuel were present: Benin with Contrelec, France with Consuel, Côte d'Ivoire with LBTP, Mali with Acavie.

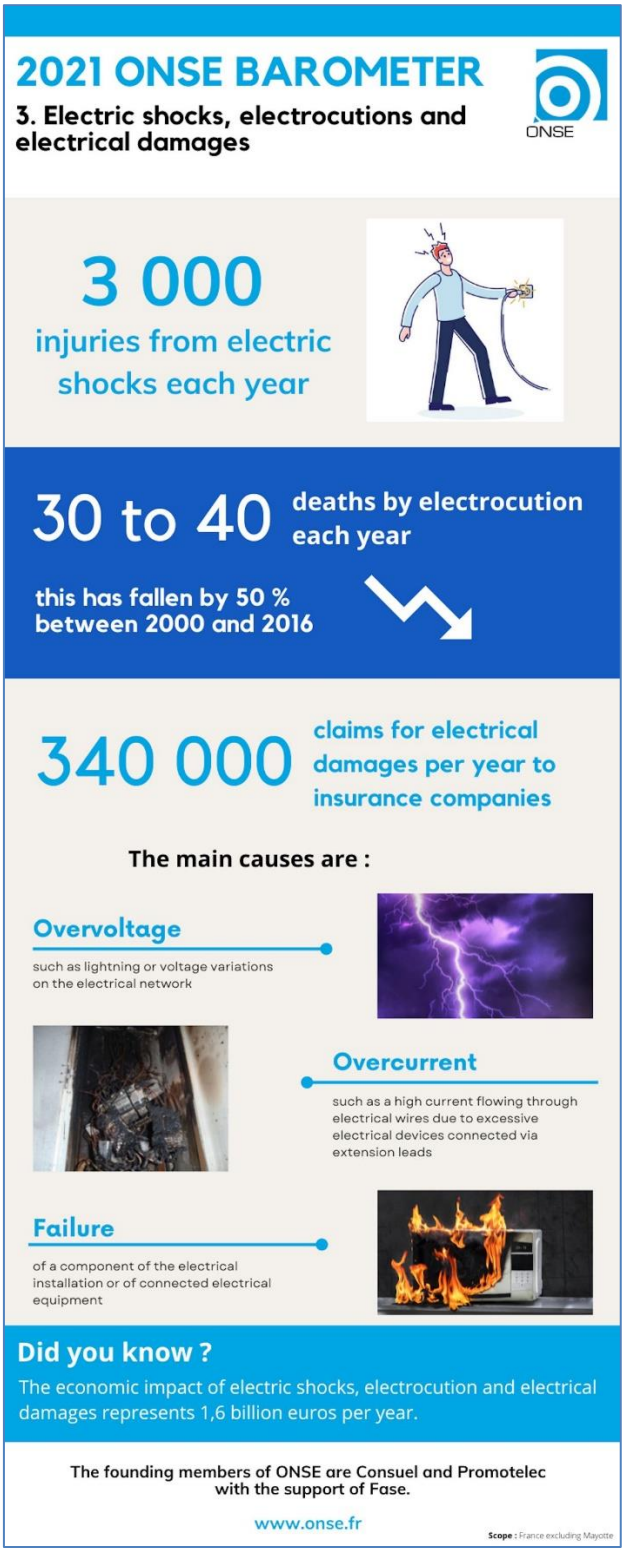
During three days of conferences and technical demonstrations, more than 150 participants from 12 African countries met with a common goal: to discuss test and measurement methods that can make the network more reliable and guarantee the safety of operators and customers. of the network.
International experts and major industrialists presented and discussed the latest technological innovations for the electrical industry as well as advances, opportunities and challenges in the maintenance and monitoring of electrical installations in Africa.
We thank FISUEL for being able to be represented at our Summit and we are happy to have been able to participate in its promotion to the audience present.
We look forward to seeing you in two years, for the next edition of the Megger Africa Summit.

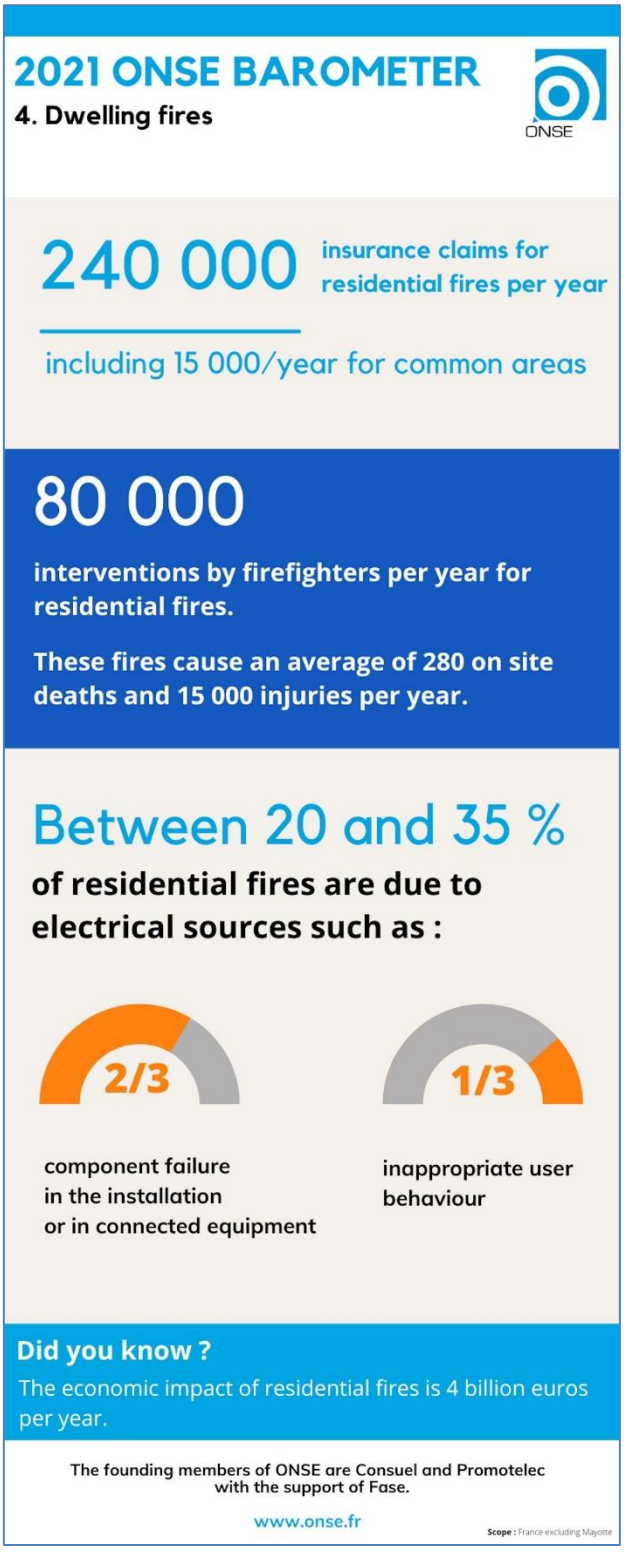
7-ONSE – National Observatory of Electrical Safety in France

After 10 years of work by ONSE experts in France on data and terminology related to electrical safety, here is the publication of the **first ONSE barometer**, that of 2021. It consists of 4 sheets that you will find in the part "**résultats et publications**" of the website www.onse.fr.









If you have topics that you would like to share with the recipients of the FISUEL newsletter, do not hesitate to send us a page under Word with photos to the e-mail address patrick.aubelis@fisuel.org

The Newsletter is available on the website https://www.fisuel.org/newsletters/