NEWSLETTER

N°43 – November 2021

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FISUEL General Information

For consistent newsletters

Thank you for continuing to enrich the newsletters with your articles.
As them, if you have topics that you would like to share with the recipients of the FISUEL newsletter, send us a page with photos to the e-mail address patrick.aubelis@fisuel.org.

Next dates for Fisuel meetings in 2022

- The meetings of the Board of Directors will be in March, May and October 2022.
- The General Assembly will be in May 2022.
- A webinar will be organised in 2022

The Newsletter is available on website www.fisuel.org

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Website FISUEL:

The new FISUEL website is operational.
It includes the World Safety Barometer website which allows you to compare the level of electrical safety country by country according to several criteria. See presentation below.

Reminder

- The administrative correspondence is patrick.aubelis@fisuel.org
- The Head office is 21 rue Ampère, Paris, 75017, France.
- The Phone number of the General Secretary : + 33 (0) **6 86 51 84 92**

QUALIFELEC certification in France

Qualified electrical engineering companies serving the ecological transition of buildings
The Chairman positions Qualifelec as a key player in this energy transition.

When he was elected in June 2021, President Thierry Schott made the promotion of qualification and qualified companies a key focus of his term of office. Today, he speaks at La Revue du Trombinoscope, a professional information magazine from the political world, distributed to leading political and economic decision-makers. In an interview, Thierry Schott highlights the essential role of qualified electrical, energy and digital engineering companies, in the service of the ecological transition of buildings. He recalls in particular that "**the qualification is both proof of the expertise of the electrical engineering professional and a pledge of confidence for the consumer**. "

Interview with Thierry Schott, President of Qualifelec France

How can electrical engineering companies participate in the energy improvement of buildings?

"It's a bit like in medicine: there is the curative, but the most important is the preventive. When we talk about the energy renovation of buildings, we spontaneously think of insulation or the installation of new, more energy-efficient equipment. But we too often forget another aspect, just as important: the management of the building. Indeed, it is through the control and regulation of the various equipment that we can avoid drifts in consumption, transmit data to make occupants aware of eco-responsibility and connect the building with its environment. And this is where electrical engineering companies come in. "

Why is it necessary to use qualified companies in building renovation?

"The qualification is both proof of the expertise of the electrical engineering professional and a guarantee of consumer confidence. The mission of Qualifelec, an electrical engineering qualification body created in 1955, is to assess the skills and capacity of a company against quality requirements. Thanks to its network, Qualifelec has become a leading player in the energy transition and a listened partner of public authorities and all market stakeholders. Qualifelec now has 7,000 qualified companies. They are spread across the country and cover all areas of electrical, energy and digital engineering.
Using qualified companies provides access to secure, reliable and efficient technical solutions. Customers know they are dealing with quality professionals who will enable them to save energy at a time when purchasing power is a major concern."

What are the concrete examples of the intervention of qualified electrical engineering companies in sustainable buildings?

“The building must respond to the new uses of its occupants and their environmental concerns. With the development of electric mobility in particular, the public authorities have set ambitious objectives for equipping the territory with charging points for electric vehicles. In individual or collective dwellings, the installation of suitable charging infrastructure supposes taking into account the electrical environment around this equipment. The know-how of professional electricians is essential to meet the safety standards in force, which guarantee the protection of the user. Qualifelec was the first qualification body to offer, in 2015, the recognition of competence in IRVE. The legislator subsequently recognized the importance of qualification in this activity and made it compulsory in January 2017. Today, Qualifelec participates in the acceleration of the deployment of IRVEs throughout the national territory, by ensuring the safety, quality and performance of the installations. "

As Chairman of Qualifelec, you are also involved in the maintenance of electrical equipment in buildings. What concrete actions are you taking in this area?

“Qualified electrician professionals are privileged contacts for consumers. They are, of course, involved in the renovation but also in the maintenance of the various electrical equipment. Qualifelec has therefore naturally positioned itself as a partner of the public authorities within the framework of the labelling of repairers, provided for by the anti-waste and circular economy law (AGEC law) passed in 2018. The use of qualified professionals in electrical engineering in the implementation of the repair fund would, here again, be a pledge of confidence for consumers, and a powerful support tool in favor of the revival of activity in the territories.
For all these reasons, we invite public decision-makers, whoever they are, to further consider the issue of the qualification of professionals in electrical, energy and digital engineering, to promote it and to prescribe it to the stakeholders concerned."

QUALIFELEC - 109 rue Lemercier - 75017 Paris France – tel + 33 1 53 06 65 20 - e-mail : contact@qualifelec.fr - www.qualifelec.fr

The World Safety Barometer Website - WSB

This website is accessible either
- by the Fisuel site - https://www.fisuel.org/, home page.
- via the address https://www.safetybarometer.org/

The objective of this site is to enable each country to position itself in relation to other countries, in terms of electrical safety in residential buildings.

We remind you that this WSB site was transmitted free of charge by CopperAlliance / ECI to Fisuel.
Fisuel sincerely thanks them.
This updated site has been operational since summer 2021.
We must now bring it to life.

6 countries in Africa, 11 countries in Asia, 16 countries in Europe, 5 countries in South America, 1 country in North America and 2 countries in Oceania / Pacific, i.e. 41 countries have already responded to the survey.
We must now extend the search for information to other countries thanks to all of you, correspondents of the Fisuel newsletter and thanks to your network.

The questionnaire below allows, according to 13 criteria, to give a level of electrical safety related to the electrical installations of residential buildings in your country.
It can be downloaded in Excel format with protected formulas from the website. Once completed, you returned it to patrick.aubelis@fisuel.org and the website will be updated.

We would also like to identify best practices that you are aware of in your country in relation to the safety of electricity users, such as the Electric Safety Awards in the Republic of Korea, electric safety and the Divo market in Côte d 'Ivoire, communication on electrical safety in Japan, Qualifelec certification in France, training, inspection systems, etc.
You can see some examples in the scroll at the bottom of the home page of the Fisuel site https://www.fisuel.org/.

Residential electrical installations can be completely secured, reducing the risk of fires from electrical sources or electrocution to an absolute minimum. Ensuring this level of safety requires best practices in design, installation and inspection. However, the majority of countries around the world do not have the right mix of standards, regulations and education to achieve this.
The Electrical Safety Barometer measures the gap between reality and best practice and then provides advice to policy makers on how they can improve the situation in their country.
This initiative was started by Copper Alliance / ECI, which has over twenty years of experience in defense of residential electrical safety.

The barometer uses 13 essential criteria to define the level of residential electrical safety. Each criterion is assigned a weighting factor which is then used to calculate an overall score. These criteria represent a chain of practices at different levels and range from standards for electrical devices to the commitment of equipment manufacturers, through inspection practices and qualification of installers, to an adequate regulatory framework.
The final score of the barometer shows how far a country's situation is from best practices. It also serves as a benchmark for comparing the situation with other countries.
With the help of local experts, we are applying the barometer in a growing number of countries.
The results are published on this website and are available to the public.

Thank you all for extending this search for information to countries thanks to all of you, correspondents of the Fisuel newsletter and thanks to your personal network.
We are at your disposal. Contact us via https://www.fisuel.org/contactez-nous/

Patrick Aubelis – General Secretary of Fisuel

Country report for : Country Name (example)

Questionnaire to estimate the level (%) of the Safety of Users of Electricity in Dwellings in Countries

The Electrical Safety Barometer consists of 13 essential criteria. Each of these criteria has a weighting factor to enable the calculation of a general score for each country. Both FISUEL and world experts endorse these criteria and the weighting factors. With the assistance of local experts, we are applying the barometer in an increasing number of countries.

Explanation of the 13 major criteria go to --> https://www.safetybarometer.org/criteria/

Enter one number of the following criteria (1, 2, 3 or 4) in the red column :

1 = **Fulfilled Criteria** : existing criteria in your country
2 = **Partially fulfilled Criteria** : part of the criteria existing in your country
3 = **Unknown Criteria** : criteria inexisting
4 = **Not met Criteria** : criteria known but unapplied

Number of criteria	1 - Fulfilled	2 - Partially	3 - Unknown	4 - Not met		Level of Electrical Safety in Dwellings
	4	4	3	2		56%

Criteria	Question	Weight	Criteria	Score
Standards & rules	Are standards and rules in place?	10	1	10%
Comments :				
Initial verification	Is an initial inspection required?	10	1	10%
Comments :				
Periodic inspection	Is a periodic inspection required?	7,5	2	4%
Comments :				
Inspection report	Must there be proof of the inspection by the delivery of an inspection report?	5	2	3%
Comments :				
Inspection for existing installations	Is there a mechanism for inspection of existing installations?	10	1	10%
Comments :				
Inspector	Must the person carrying out the inspection be a qualified inspector?	7,5	3	0%
comments :				
Electrical contractor or installer	Must the electrical contractor or installer be a qualified person?	5	4	0%
Comments :				
Role of utilities	Does the electric utility only connect the installation after having received a positive inspection report?	10	4	0%
Comments :				
Consumer education	Are consumers educated on the dangers of electricity?	5	2	3%
comments :				
Regulation	Is regulation in place that imposes standards for electrical installations and initial verification?	5	2	3%
Comments :				
Labelling and certification	Are products in the market adequately labeled for electrical safety, and is this labeling system understood?	5	3	0%
Comments :				
Role of manufacturers	Do manufacturers actively engage for electrical safety in the marketplace?	5	3	0%
Comments :				
Market surveillance	Is there adequate action on market surveillance from the authorities?	15	1	15%
Comments :				

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