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01_Eye catcher: EPBD report adopted by ITRE Committee!



An important step was set in the process of adopting a revised EPBD. The Industry and Energy (ITRE) Committee of the European Parliament adopted on Wednesday 11 October new measures to ensure that all new buildings in the EU are as energy-efficient as possible by 2050 which includes long-term national renovation strategies and milestones. This updates the Directive for Energy Performance of Buildings (EPBD) and is part of the "Clean Energy for All Europeans" package. The report by Danish MEP Bendt Bendtsen

(European People's Party) will now form the basis of the Parliament's position on the EPBD.

It is in stark contrast though to the "general approach" adopted by the 28 EU member states in the Council of Ministers, which has been branded as "lacking ambition" and accused of diluting the European Commission's initial proposal. The measures to make buildings more energy-efficient through renovations and smart technology are outlined as follows:

Boosting renovations

MEPs want a clear strategy that would make both public and private buildings highly energy-efficient by 2050. They propose introducing energy reduction benchmarks for 2030 and 2040, as well as measurable progress indicators, to evaluate how new buildings contribute to the EU's overall energy-efficiency goals.

!!! NEW is that fire safety is now also included following the UK's Grenfell Tower tragedy. AIE with the FEEDS Forum is highlighting in this context the importance of electrical safety in homes. When focusing resources on covering basic needs, vulnerable households are more likely to rent cheaper and older housing. Such dwellings are often inappropriately maintained, difficult to warm and their electrical installations are obsolete. Therefore, households facing energy poverty are also more exposed to the risk to domestic fires. On 22 November AIE will participate to a lunch debate on energy and safety poverty. (see infra p. 5)

Electro-mobility

Perhaps the most divisive in the EPBD revision is the **issue of electric vehicle charging points**. The Commission's initial proposal included a requirement that all non-residential buildings with more than 10 parking spaces include charging points for every tenth space. The Council and now the Parliament have significantly pared back the Commission's plan, but actually more in-line with AIE viewpoint as **MEPs decided that those buildings will only have to install pre-tubing rather than full charging infrastructure.**

Commissioner Cañete was disappointed as he pointed out that the EPBD is in fact the only tool at the EU's disposal for regulating EV infrastructure in private homes and that **90% of charging currently takes place within a private context.**

On 8 November, the Commission is expected to announce its **transport decarbonisation proposal**, which is predicted to contain incentivising measures for increasing electric vehicle market access.

Monitoring energy performance

MEPs approved the use of a "**smartness indicator**" **measuring tool to help reduce energy consumption** by adapting the building to the needs of the occupant. High standards of indoor health and air quality conditions would also be prioritised. A study on this issue is on-going and AIE has attended the first stakeholders meeting in June after which AIE gave input and expressed the willingness to explain our vision of the previously developed AIE Smart Tool. A second stakeholder meeting will take place on 21 December 2017. The aim of the meeting is to share the progress of the study and the next steps, and to explain how the written comments have been taken into account. This meeting will be an important milestone, as participants will learn about the shape of the calculation methodology for a potential indicator.

- **What's next:** The Committee also voted to move straight into trilogue (negotiations between the Commission, Parliament and Council). First talks are provisionally set for November 7 and December 5.

02_European news [Directives / Projects / Events]

02-01: AIE's annual activities highlighted during the joint AIE-GCP Summit in Vienna.

Historical Vienna was the scenery for the joint AIE-GCP Installer Summit hosted by the three Austrian Federal Associations, „Bundesinnung der Sanitär-, Heizungs- und Lüftungstechniker“, „Bundesinnung der Elektro-, Gebäude-, Alarm- und Kommunikationstechniker“ and „Verband Zentralheizungs- und Lüftungsbau“. AIE President Thomas Carlsson [Installatörsforetagen/EIO] warmly thanked the Austrian team and was very pleased to welcome our USA and South African electrical colleagues once again. In his speech, he stated that Europe is rich because of its differences as long as we are willing to learn from and share with each other! Therefore, associations must be able to adapt and be flexible...



[Austrian MEP Paul Ruebig talking on Juncker's Policy Priorities during the conference]

Both AIE (Electrical) and GCP Europe (HVAC) contractors held their board and General Assembly meetings and held a joint conference entitled "**Efficient energy and building engineering services based in part or as a whole on alternative sources of energy**". Digitalization and BIM received the attention it deserve, questioning the role in the deployment of our contractors' businesses.

- Download the complete Press Release [here](#), with information on AIE's strategic Forum, Highlights of the annual report 2016 within the [Brochure Evolution 2017](#) - and AIE's key issues for 2017-2018.
- A collage of sphere pictures of the total event in mystic Vienna is [available here](#).

02-02: Energy Labeling rules are here!



Since the **1st of August** the industry has to adjust the labels used to show the energy efficiency of products within a year, to comply to a revamped set of rules. The new rules come after negotiators from the European Parliament, the Council and the Commission **struck a deal in April to replace the current scale for labels, running from A+, A++, A+++**, with an A-to-G scale.

[Lighting Europe](#), said millions of lighting products will need to be re-labeled within about a year, and that the sector will also look at how to avoid unnecessary costs and packaging waste. The German government said last week that labels on washing machines, refrigerators, dishwashers, TVs and monitors as well as lighting will be the first to be revised, by the autumn of 2019. **Consumers will start seeing the changes in stores from the end of 2019 or early 2020.**

02-03: Primary Energy Conversion Factor [PEF]: detrimental to energy performance buildings?

In June last, AIE co-signed a common statement calling for the revision of the Primary Energy Factor (PEF) for electricity. European stakeholders, amongst which the AIE, voiced their support for a review of the methodology for the calculation of the PEF for electricity in EU energy efficiency legislation, which better reflects the development of the European power generation mix. The PEF describes the efficiency of converting energy from primary sources (e.g. coal, crude oil) to a secondary energy carrier (e.g. electricity, natural gas) that provides energy services delivered to end-users. The paper states that the current PEF of 2.5 is outdated and calls for the adoption of a PEF which reflects a larger gap between the factors used for fossil fuel and for renewable energy.

- Download the [common position paper](#).

Also BPIE (Building Performance Institute Europe) argues that the current approach, using the Primary Energy Factors (PEFs) is detrimental to understanding the real energy performance of a building. As Member States have flexibility in setting the PEF value, it has become a political decision, with a direct negative impact on the actual energy consumption of a building. The Primary Energy Factor is currently used, but some weaknesses in this approach raise the question of whether delivered energy should be one of the main building performance indicators.

According to BPIE, using the *calculated delivered energy* rather than primary energy would put into practice the 'Energy Efficiency First' principle. Moreover, it would be consumer-friendly making energy performance more understandable and relevant as it would be closely related to running costs. In the end, delivered energy reaches the consumer's door and is what he/she is paying for.

- Read [the discussion paper](#) of BPIE.

02-04: Lighting systems and well-being: AIE's message: don't over-regulate!



**Peter Liese is a German MEP from the ruling Christian Democratic Party (CDU), affiliated to the centre-right European People's Party (EPP).*

On 11 October, the AIE participated to a lunch debate on “Lighting and Well-Being in Buildings” in the European Parliament hosted by MEP Peter Liese*. Almost ten years after the EU imposed a ban on incandescent light bulbs, MEP Peter Liese believes much more savings can be achieved with modern lighting technology but he also cautions against the temptation to over-regulate.

Human Centric Lighting has emerged as a new concept to enhance not just vision but also wellbeing of people – whether at work or at home - from a visual, biological and emotional point of view. Recent scientific research has examined lighting variables of color temperature, and illumination for affecting sleep, mood, focus, motivation, concentration and work or school performance.

The lighting industry is pushing to consider lighting not only as a product but as a system, which includes luminaires, sensors and controls. In this context well-designed lighting systems could offer huge energy savings potential. The representative of the European Commission stated that in the current proposed EU legislative framework, built-in lighting is yet included in the definition of technical building systems in the EPBD and that 2 studies were on-going, one, regarding the promotion of healthy and energy performance buildings and the other, on the smart readiness indicator for buildings. There is therefore maybe no immediate necessity to regulate even more regarding lighting systems, stated the European Commission, statement fully supported by the AIE!!

Electrical installers install all kind of electrical systems and lighting is only a part of it. Why should lighting be more regulated than any other electrical system? Moreover, installers have always been responsible for the delivery of a correct and well-designed installation according to regulations and standards, safety rules and performance requirements.

At next EU Eco-design consultation forum scheduled on 7 December, the first talks on this issue will take place. Contacts between the General Secretary of Lighting Europe, the lighting designers association and AIE have equally been taken in order to meet and share opinions, text interpretations and share practical examples and viewpoints. To be followed...

03_ AIE activities and Sector related news

AIE activities and networking.

03-01: Electrical safety in dwellings: first actions decided by FEEDS

The European Forum for Domestic Electrical Safety [FEEDS] met on 5 October last moderated by AIE and hosted by the European Copper Institute and FISUEL. Attended by experts of the fire brigades, consumer and tenants associations, manufacturers of domestic electrical equipment and insurance companies, the first working groups were launched with the aim to work on the data and statistics and the best practices. Contacts with Eurostat will be taken and the tool World Safety Barometer will serve as a reference to continue and enforce the work.

At the **Fire information exchange Platform (FIEP)** launched by the European Commission on 16 October, 25 Member States and 25 associations came to discuss key challenges for fire safety in buildings. FEEDS had the opportunity to present the risks and dangers of the existing ageing and under-renovated buildings stock and



the importance to inspect the electrical installations, backbone of all systems in a dwelling. The EU has yet implemented an EU strategy for road safety, which is also a Member State competence and it could do so for fire safety. In 2001, the road safety strategy was put in place and led to great reductions in the number of deaths. Together with 15 partner organisations, the Fire Safe Europe (FSEU) envisages a fire safety strategy based on a holistic approach to fire safety, aimed at gathering comparable data, cooperation between Member States, and setting a vision with clear goals for fire safety.

Concluding the meeting, the European Commission identified five main work streams for the new platform as well as a possible work stream, and which the European Commission may consider, is the **issue of domestic fires**.

At this end, an event is organized on the 22nd of November with the participation of AIE to bring policymakers and stakeholders together in order to explore perspectives and work towards a holistic approach to energy poverty and electrical safety. Participants will have the opportunity to discuss, exchange views and best practices, and explore perspectives for a policy response to energy poverty, including the electrical safety aspect.

- More details on the event can be obtained at the AIE secretariat.
- Residential Electrical Safety: The White Paper 'How to Ensure Progress' can be downloaded in full from the [Digital AIE Library](#) or directly on [Leonardo Energy's website](#).

03-02: AIE supporting partner of the Electrification Alliance and Declaration

After a successful launch event end of June with good visibility of our common vision for electrification to deliver an efficient and decarbonised Europe, we are happy to announce that several new organisations have decided to support the declaration over the summer. This brings the number of signatories to 63 – and it is likely going to increase further!

The AIE, supporting partner of the Electrification Alliance, **is calling for electricity to be recognised as the key energy carrier for an efficient and decarbonised European future** and published a Declaration on Electrification. The Declaration states that as electricity in Europe decarbonises, it will reveal its true value as it becomes the key vector for achieving a decarbonised, energy efficient and digital European economy.

Next steps:

- The alliance partners have decided to continue the work on making efficient electrification a reality.
- Download the updated [Declaration of the Electrification Alliance](#)

03-03: DIY in Denmark reaches new heights, TEKNIQ warns against serious consequences! *Tweet A. Birkelund/ original text by Simon Rasmussen, Vice President of TEKNIQ*

According to a member survey from TEKNIQ, the vast majority of Danish electrical and mechanical installers find that the use of unauthorized craftsmen by Danes is a problem. In the last 12 months, 77% of



Danish electrical and mechanical installers had to repair work that, in their opinion, was carried out by unauthorized craftsmen. TEKNIQ warns against the serious consequences that 'Do It Yourself' can have, both for homeowners' safety and finances.

"We do not believe that consumers generally hire unauthorized work consciously. But all too often, consumers are cheated by unauthorized craftsmen, who offer to do authorized work without being allowed. It goes beyond the consumer and it affects the economy economically,

"says Simon O. Rasmussen, Vice President of TEKNIQ.

He estimates that the **DIY contributes greatly to the over 50,000 water and 9,000 fire damages on villas and private houses** (according to Insurance & Pension), which was registered in Denmark in 2016.

"It's worrying that the problem is still so big. In Denmark, we have also introduced authorizations just to protect these particularly hazardous areas against amateur crafts. It is rarely cheaper and the consequences can be serious for homeowners who allow amateurs to work on the house's electrical or plumbing installations.

"**It requires many years of education to become an authorized installer, and there is a good reason for that.** Authorized work should not just be taken care of, but instead ensure that it is carried out by an authorized installer. In this way, you get a warranty that covers damage, if an accident should happen," says Simon O. Rasmussen. TEKNIQ suggests for consumers to safeguard themselves against imposters by visiting www.sik.dk/tjek, the Danish website to check and confirm that you are talking to an authorized installer.

As reported earlier, the AIE supports the Forum for European Electrical Domestic Safety (FEEDS) aiming to raise awareness and inform public authorities and consumers about the risks of unsafe electrical installations in dwellings by improving the statistical material, sharing best practices and promoting quality and skills of the installers.

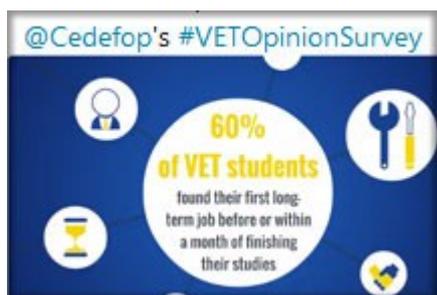
03-04: AIE's technical Task Force visited the ValSophia Building in Nice



8 Technical experts for the AIE member associations were kindly invited and hosted by the French association and met on 26-27 October in Nice. After the visit of an nearly zero energy building, the task force dedicated the meeting to electrical safety and had a presentation and interesting exchange with CONSUEL representatives on the inspections of electrical installations in France as well as on the risks of electrical origin and technical solutions such as Arc Default Detection Devices. Other topics such as the preliminary study on lighting (design) systems, the newly created working group on BIM and the on-going study on the Smart readiness Indicator have been shortly reported on and debated.

- Next meetings are foreseen in 2-3 May and 25-26 October 2018.

03-05: European public opinion survey on vocational education and training by Cedefop



In 2016 Cedefop [European Centre for development of Vocational training] launched its first ever opinion survey aimed at investigating EU citizens' opinions on vocational education and training.

Opinions matter. In vocational education and training (VET) people's opinions on the image, the quality, outcomes and effectiveness of VET provision may have a significant impact not only on an individual's education choice but also on policymaking. Opinions may be based on emotional factors and are not the result of informed and rational estimations. Even the best VET policies will be successful only if they are implemented in a trustful environment and are well-received by individuals and societies. A total of 35 646 face-to-face interviews were conducted with citizens of the 28 Member States.

Designed to complement existing European data sources and statistics, the first Cedefop opinion survey on VET in Europe is aimed providing unique comparative information on how EU citizens view VET in their country. The survey provides an unprecedented perspective on EU citizens' opinions on awareness, attractiveness, experience and effectiveness of vocational education and training in the EU.

This is one of the reasons why **AIE stimulates** its members and other stakeholders beyond the electrical value chain **to positively promote the high level image of the electrical sector and to boost young people to choose for an electrical related vocational study.**

> Downloadable at [CEDEFOP](#) and readable in our [AIE Digital Library](#)

04_ Future events & meetings <http://www.aie.eu/aie/page/Calendar>

04-01: Kindly save the following dates for AIE internal meetings:

NEXT UPCOMING MEETINGS:

NOVEMBER 2017

27.11.2017 | AIE Policy Coordination Committee [PCC] | Brussels

27-28.11.2017 | AIE General Secretaries Committee [GSC] | Brussels

FIRST DATES FOR 2018:

FEBRUARY 2018

08.02.2018 | AIE-WSE Experts European Platform [AIE-WSE] | Budapest (tbc)

MAY 2018

02-03.05.2018 | AIE Technical Task Force [TTF] | Place to be confirmed

OCTOBER 2018

25-26.10.2018 | AIE Technical Task Force [TTF] | Place to be confirmed

04-02: Discover [other European events](#) on the AIE website:

> **21.11.2017 | Conference: Smart buildings empowering energy consumers.**

From policy to real-world cases

21 November 2017

Event from 8.40 to 14.00 CET

At [Rue de la Loi 42](#), 1040 Brussels

The Buildings Performance Institute Europe and the European Copper Institute invite you to a conference on smart buildings covering both the policy aspects of integrating such a concept in EU legislation as well as real-world examples.

This event will debunk myths about smart buildings and explore how consumers can be empowered by living and working in them. We also aim to demonstrate the links between smart buildings and other sectors such as ICT or mobility.

Seats are limited and registration is required by filling out this [form](#). The [agenda](#) is now available.

> This event is organised by [Leonardo Energy](#) (= registration page), [BPIE](#) and [EU Copper Institute](#)

> **18-23.03.2018** | [LIGHT + BUILDING](#) | Frankfurt, Germany

> **KNX at Light and Building** | [KNX Award 2018](#) - Hand in your project now!

KNX Association International is pleased to announce that applications can now be handed in for the KNX Award 2018, which will be granted at the light+building fair 2018 in Frankfurt (Germany). The KNX Award rewards the smartest KNX projects in home and building control around the world, which stand out as regards innovation and technical progress.

> **SOLAR POWER EUROPE** | [Upcoming events](#)

05_ Publications – [check new AIE and related publications at our library on ISSUU](#) or direct links to electrical sector magazines online



AIE members and other related organisations from the electrical value chain are invited to inform us on interesting articles, brochures, scientific reports that can be added to our AIE online ISSUU Library!

05-01 Articles/reports that can inspire on Energy Efficiency

1. 2017: Evolution: AIE's annual report | [A glimpse on AIE activities](#)

This brochure contains a glimpse on the AIE activities of 2016-2017 and the highlights of the annual report such as:

- Winter Climate Package with its Directives on Energy Efficiency [EE] and the Energy Performance of Buildings Directive [EPBD]
- Primary Conversion Factor for electricity
- The Smartness Indicator
- Electrical Vehicle charging station
- Residential Electrical Safety
- Euroskills info

Ask your digital copy via info@aie.eu or read in our digital AIE Library: [A glimpse on AIE activities](#)

European Association of Electrical Contracting Companies | AIE – the European Association of electrical contracting companies - represents through its 15 national member associations about 125,500 specialist contracting companies employing about 1,200,000 workers in the EU-countries and beyond. The AIE represents companies from all sizes, the big majors and a majority of small and medium size enterprises [SME]. AIE member companies have an in-depth knowledge and high-quality expert skills to carry out all kind of electrical engineering and infrastructure works [high, medium and low voltage]. The overall turnover of the sector is approximately 137 billion Euros. Monitoring the EU agenda/Directives relevant for the electrical sector, the AIE points out the key strategies and main priorities for the modern electrical contractor. With the increasing complexity of technical installations, the private consumer and house owners are becoming more and more dependent on the knowledge and creativity of the electrical contractor. He is an expert adviser who is able to explain to the client the possibilities and advantages of new technology in a technical and environmental way. Kindly visit our website: www.aie.eu or contact us at info@aie.eu.