

EuroACE

THE EUROPEAN ALLIANCE OF COMPANIES
FOR ENERGY EFFICIENCY IN BUILDINGS



1998 - 2018

PAST - PRESENT - FUTURE





Message from Bendt Bendtsen MEP

EuroACE stands to me as a clear example of a successful industry cooperation advocating for high ambition in energy efficiency in buildings. It has been a constant supporter of increased ambition and a reliable partner in bringing good research and communicating to policy-makers on the challenges and benefits of addressing energy waste in buildings.

I am delighted that it is marking its 20th Anniversary with the publication of this brochure, which gives an overview of its principal achievements to date and I am pleased to send my best wishes for another 20 successful years ahead.

During the recent process of revising the Energy Performance of Buildings Directive, for which I was the Rapporteur in the European Parliament, I had the pleasure of debating with **EuroACE** and its member companies on many occasions. I could always rely on prioritised, clear messages as well as a supportive, balanced voice in favour of enlarging the energy efficiency cake rather than promoting specific technological solutions.

The voice of **EuroACE** in calling for strong, long-term, high ambition for the energy efficiency of the building stock across the whole of the EU and its engagement with all stakeholders across the political spectrum, definitely helped pave the way for the satisfactory revision of the Buildings Directive.

I know that I am not alone in congratulating **EuroACE** on the occasion of its 20th Anniversary and I hope that it will continue to advocate for high ambition in the 20 years to come!

Bendt Bendtsen MEP

European Peoples Party (EPP), representing Denmark





Message from Céline Carré

As **EuroACE** celebrates its 20th Anniversary, I am extremely proud of the work of the Alliance over these two decades. Driven by a strong team under the leadership of Adrian Joyce as its Secretary General since 2011, it has achieved the recognition and trust that very few associations in the field enjoy. Ten years ago, we were still trying to lower the square meter threshold from which key requirements of the buildings directive would apply. Today, with the subsequent revision of the directive, and thanks to the support of Rapporteur Bendt Bendtsen, this text paves the way for renovating all existing buildings and deploying all relevant technologies at a much greater scale. This is a great and much needed step forward. In that journey, we have ensured, together with our partners, a cross-party support for our cause, and I am happy to say that we have also gained many friends.

Despite this, only a few countries, in Europe and beyond, have organised themselves to ensure that buildings will deliver their potential when it comes to implementing the Paris Agreement, in spite of plentiful, motivated and ready national stakeholders. I am concerned about the acceleration of climate change and about the 2017 figures for CO₂ emissions, somewhat linked to slower global progress in energy efficiency. Nothing should be taken for granted when it comes to the energy transition. Every day I wonder why solutions of the past are favoured, leading to stranded assets and delaying EU governments' and citizens' journey to Paris.

Looking ahead, I believe that **EuroACE** can accelerate the transformation of our built environment into resilient, healthy and inspiring places to live, with energy efficiency as the heart. We have a responsibility to make it happen. For that we should pursue our hard work to not only better understand, and explain, the mutually reinforcing impact of efficiency technologies, but also to engage more with local actors to learn how to better drive their uptake. In the construction world, things take time, but I like to think that digitalisation can make it happen faster and rally younger generations to our cause.

Like other policies, the EU Buildings Directive is like a piece of sheet music waiting to be played in national, regional and local contexts, and **EuroACE** can help with the orchestration. I believe that the cause that underlies our work is a powerful one. EU citizens want to live in healthy, comfortable and productive places and energy efficiency has a fundamental role to play in meeting those expectations.

I count on your support, now and into the future, to deliver this reality for all Europeans.

Céline Carré, Saint-Gobain

President of EuroACE, 2017-2018

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Message from Adrian Joyce

EuroACE stands as a unique association in Brussels as it was the first to bring together a diverse range of companies from across the construction product and equipment manufacturing businesses to give one strong voice to our call for holistic, integrated and tailored approaches to energy efficiency in buildings. We have been consistent in our calls for more ambition and coherence in the EU legislative framework for energy performance of buildings and we have always engaged positively in debates and efforts in Brussels to ensure that the potential tied up in our buildings is recognised and exploited for the good of all.

I think that it is not an exaggeration to recall that it was **EuroACE**, in its very early days, that commissioned the first reports on the contribution that highly energy efficient buildings can make to lowering greenhouse gas emissions in the EU and the first studies that specifically quantified the impact of buildings on energy consumption. Arising from these efforts, the first Energy Performance of Buildings Directive saw the light of day in 2002 and we have just recently seen the latest round of revisions receive massive cross-party support in the European Parliament and ready approval in the European Council.

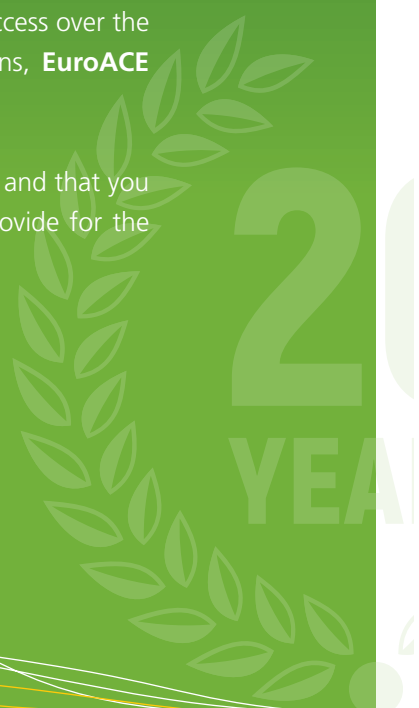
EuroACE has been active and vocal all throughout its twenty years and during the preparation, adoption and implementation of each iteration of the Buildings Directive. I know that we will remain active and relevant in the years ahead as the work to see the transformation of our building stock is really only beginning.

In finishing this short introduction to our brochure, I want to pay tribute to the dedicated and constant hard work that our member companies and their representatives have made to our success over the years and to the staff at our Brussels Office. Without their unflinching contributions, **EuroACE** would not be where it is today, a highly respected and leading European association.

I hope that you will enjoy reading this short brochure on our history and achievements and that you will also look at the short description of each of our members and on what they provide for the construction sector.

Adrian Joyce

Secretary General since 2011



What is EuroACE?

EuroACE started as a close, but informal, cooperation between like-minded companies that were engaged in advocacy activities in Brussels in the 1990's. At that time the role of the buildings sector in contributing to greenhouse gas emissions was not quantified and not considered in policy making. Furthermore, the level of energy consumption by buildings was not separately accounted for.

It was around the need to quantify and bring to light the immense impact of the buildings sector on these crucial societal issues that the early cooperation between member companies started. It was in 1998 that the association really formed, becoming a de-facto association under Belgian Law that year. The organisational aspects were rather informal and ad-hoc for the first ten years, but the active members saw the need to formalise affairs and so the path to becoming a not-for-profit association under Belgian Law was taken.

The constituting General Assembly took place in the tenth year of the existence of **EuroACE**, 2008, and a celebration of that fact took place with the then-Commissioner for Energy, Andris Piebalgs in attendance. His presence was a clear demonstration of the recognition that **EuroACE** had already developed in its first ten years of activity.

From that point **EuroACE** has grown to become one of the most recognised and dynamic industry associations in the energy and climate arena in Brussels, now counting 15 members that collectively employ over 300,000 people in about 1,400 factories and office locations in Europe.

Thanks to its strong vision on energy efficiency and its exceptional professionalism, it has helped promote energy efficiency in buildings over the last two decades and at each and every iteration of the Energy Performance of Buildings Directive. The most recent revision of the EPBD in 2018 closely reflected the position of **EuroACE**.


In addition, **EuroACE** enjoys wide support at national level through its political communications campaign, the Renovate Europe Campaign (REC), which was launched in 2011. The REC now counts 101 MEPs that have signed the "Stop Energy Waste in Buildings" Manifesto, pledging their support. Renovate Europe Day 2017 was organised just the day before the vote in the ITRE Committee on the EPBD and was held under the patronage of the Estonian Council Presidency and featured Commissioner for Climate Action and Energy, Miguel Arias Cañete. It was co-hosted by 5 MEPs, the Rapporteur Bendt Bendtsen and four of the Shadow Rapporteurs on the EPBD file.

There are three key features that make EuroACE stand out from other industry associations

1. **Its strong consensus driven approach:** **EuroACE** gathers a variety of solutions for energy efficiency and is proud to bring them together to demonstrate their synergies on the ground. It sounds evident but our homes, schools and offices all require good roofs, walls and windows, as well as efficient heating, cooling and lighting systems linked to reliable controls and maintenance regimes. Ensuring a proper policy framework that takes a global approach is a challenging, but necessary task to bring the promise of health, comfort, and low energy bills to all citizens in the EU.
2. **Its integrative approach:** **EuroACE** nurtures its narrative at EU level by a solid understanding of how EU initiatives impact on the ground. For example, it has, since 2011, organised a dozen National Implementation Workshops aimed at encouraging a solid uptake of EU directives, in an attempt to overcome specific national challenges and to stimulate dialogue between national authorities and stakeholders. Countries covered by these workshops include Belgium, The Czech Republic, Germany, The Netherlands, Ireland, Hungary, Italy, Poland, Spain and France. **EuroACE** also integrates into its narratives and actions, the diversity of benefits

EuroACE brings together a strong and diverse voice from the manufacturers and suppliers of energy efficiency products and equipment, which has been a key input to securing sensible and workable policies and targets for Europe. At Climate Strategy we look forward to continuing to support **EuroACE** and its members in the area of energy efficiency finance and investment for the future of Europe.

Peter Sweatman
CEO, Climate Strategy & Partners



that flow from action on energy efficiency: from jobs to health and well-being; from energy security to digitalisation in the construction sector.

3. **Its flexibility and dynamism:** **EuroACE** regularly organises events which are very well attended. For example, it has organised a session at every EU Sustainable Energy Week (but one) for the last five years. The **EuroACE** Secretary General is frequently invited by the European Commission and other organisations as a speaker to various events (around 20-25 per year). This indicates that **EuroACE** is perceived as the “go-to association” when it comes to overall energy efficiency in buildings. Its Secretary General spoke at two Energy Councils (Ireland in 2013, and Greece in 2014), which helped to raise awareness amongst Ministers about the importance of energy efficiency in buildings. The Association has established, and maintains, very good working relationships with high-level institutional representatives. **EuroACE** also enjoys the trust of journalists who regularly call on the Secretary General or the President for a quote (more than 25 references since 2014).

Applaudable achievements for such a small but effective organisation, which has built up a solid reputation over the years

European Association Awards Jury, 2018

EuroACE plays a central role in the “energy efficiency community” as recently recognised by the fact that our Secretary General was elected, in June 2017, as Chairman of the **Coalition for Energy Savings**. He is also ranked in the EurActiv Top-40 influencers for EU energy policy. **EuroACE** was also a finalist in the European Association Awards competition for the Overall Best Association in 2018 and it won the Bronze Award for Association Leadership.

Principal Achievements:

The quality and success of the work of **EuroACE** over the years has been consistently well received by policy-makers and decision-takers in Brussels and in the national capitals. We are proud of our achievements and we are happy to share some of the highlights with our readers. The various achievements are laid out in the following pages.

Research on the Buildings Sector

During the 1990's and early 2000's, **EuroACE** commissioned several pieces of research into the environmental and energy impacts of the buildings sector. The results of the research became the foundation on which the advocacy and communications work of **EuroACE** was built. It was the first time that the buildings sector had been studied in depth from an environmental and energy performance perspective for the EU as a whole. The research was carried out by CALEB (UK) and ECOFYS (Germany) and the work established beyond doubt that the buildings sector in the EU consumes about 40% of all primary energy produced and emits about 36% of energy-related CO₂ emissions in the EU.

These headline figures remain accurate today and are used by all stakeholders in their policy work.

Climate Action Network Europe is the largest European network of environmental and development organisations working to promote sustainable climate and energy policy in Europe and prevent dangerous climate change. Working in the context of the Coalition for Energy Savings with **EuroACE**, which is a progressive industry voice in Brussels, helps to better showcase how improving energy efficiency, especially in buildings can accelerate climate action in Europe.

Wendel Trio
Director, Climate Action Network Europe

The Energy Performance of Buildings Directive (EPBD)

Whilst it was not **EuroACE** that drafted the EPBD, it is accepted that without the research work carried out for **EuroACE** on the buildings sector, the EPBD may never have come into existence. **EuroACE**, through Andrew Warren and his role as Chair of an industry-led reflection on the construction sector, played a key role in the early stages of preparing a Directive on the sector.

Once the proposal was on the table, **EuroACE** worked closely with the co-legislators to ensure that the EPBD

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would be workable, balanced and ambitious. This engagement has been repeated during the re-cast of the EPBD during the period 2000 to 2002 and during the revisions to the re-cast in the period 2016-2018.

National Implementation Workshops

EuroACE has always been aware that it does not really matter how successful it is in Brussels and Strasbourg at getting good provisions included in EU Directives unless they are translated into actions in the Member States. For this reason, **EuroACE** has organised national implementation workshops all across the EU at which local stakeholders, policy-makers and EU officials meet to learn about the opportunities presented by EU Directives and to debate on what the specific circumstances in the country visited are like. The workshops are usually well attended, attracting a good mix of up to 100 persons keen to learn about and debate issues that arise in the country during the transposition and implementation of EU Directives.

The countries that we have visited are France, Spain, Italy, Poland, Hungary, Ireland, Belgium, Germany and the Netherlands. Results have varied, but in several countries the stimulus and momentum provided by the **EuroACE** workshops have led to real improvements in the national debate and in the transposition of relevant EU directives.

Presentations at European Council Meetings



As a result of the high profile that **EuroACE** has built for itself over the years, it was twice invited to address the Council formation of energy ministers. The first time was in 2013 under the Irish Presidency at which Adrian Joyce spoke and was permitted to include in the briefing for the ministers a comprehensive position paper on the importance of the buildings sector to the achievements of EU goals.

The second time was in 2014 under the Greek Presidency and

the opportunity was used to highlight, in stark terms, the huge contribution that undertaking ambitious energy renovation of the building stock (in line with the ambition of the Renovate Europe Campaign) would significantly increase energy security and reduce the reliance of the EU on imported energy – especially fossil fuels.

Awards

The hard work of **EuroACE** and its efficient but small permanent staff has been recognised by external agencies on three occasions. The first such acknowledgment came in 2016, when the Secretary General, Adrian Joyce, was included in the Euractory TOP 40 Most Influential People in the EU on the Energy Union Framework. He also featured (in a higher position) in the Euractory TOP 40 Most Influential People on Energy Efficiency. The Euractory is a joint action by several European news services and Universities to list all influential people in key EU policy fields.

The third award came in 2018 when **EuroACE** was shortlisted for the European Association Awards categories Overall Best Association and Association Leadership. It did not win in the first category, but was awarded bronze in the second category.



The Renovate Europe Campaign



*Among the notable successes that **EuroACE** has enjoyed over recent years, the actions of the Renovate Europe Campaign stand out. It was initiated in 2011 and continues to have impact on policy making today. The Campaign Director, Adrian Joyce, reflects on its strengths:*

Political campaigns usually aim to set the agenda, bring about social change or mobilise new funding but it is a rare animal that achieves all three. The Renovate Europe Campaign was initiated by **EuroACE** as an industry-led initiative in 2011. Back then, the EU was still surveying the mountain of its

recently agreed 2020 climate targets, including a non-binding goal to cut energy waste by 20% by 2020.

The UN's climate summit in Copenhagen had just ended in failure and siren voices in Brussels were warning that any legislation which departed from international norms – however poor – would damage Europe's competitiveness, and cost jobs and growth.

That was never true for energy efficiency and, in 2012, we demonstrated why. The combined effects of reduced energy bills, health costs, pollution and government subsidies were habitually glossed over in cost-benefit estimates for renovation roll-outs. So we commissioned a landmark study by Copenhagen Economics that included them – and showed that up to €175bn a year could be saved by 2020, and double that amount by 2030.

No analysis had attempted to monetise these multiple benefits before and the paper was a watershed. It was sent to all 28 finance ministries in the EU, receiving 14 written responses and sparking six ministerial cabinet meetings. The paper was oft-cited by the European Commission as evidence for the effectiveness of funding streams for energy renovations.

Today, this argument has been overwhelmingly won. The Commission predicts a public sector-led €27bn investment in buildings efficiency over the course of the current 2014-2020 financing period. Central to this progress was a melding of the climate case for energy renovations – that there can be no decarbonisation without it – with the countless benefits they offer to the quality of human life.

In ploughing this furrow, Renovate Europe's influence grew beyond the Berlaymont's corridors. Through its actions, the progressive voice of the construction industry was heard in parliamentary debates across Europe. A

Paul Hodson, who heads the European Commissions' energy efficiency unit described the Renovate Europe Campaign as "a key political communications campaign", saying:

"One of its achievements has been raising the visibility of a technical subject such as 'buildings' and keeping this issue on the political agenda of the EU. Every year, Renovate Europe Day manages to ensure the presence of high level figures, and this is very important to mobilise action across stakeholders and institutions."

He goes further, holding the opinion that "Personally I think the Campaign has brought significant added value by putting the finger on the many benefits that energy efficiency in buildings brings, being in terms of health, comfort, growth, jobs, property value or stopping energy waste."

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call we put out for an 80% cut in the energy use of existing buildings by mid-century was taken up almost word for word by the European Parliament.

This was reflected in legislation brought forward by the European Commission, particularly in this year's revision of the Energy Performance of Buildings Directive (EPBD). The long-term renovation strategies now mandated by the EU executive began life on our drawing board. Similarly, with our partners, we devised and proposed the milestones and progress indicators that found their way into EU law. These offer a mechanism allowing the measurement of national progress towards meeting the EPBD's goals - and the holding of laggards to account, when they shirk their obligations.

Renovate Europe achieved these extraordinary successes with a small effective team and a minimal budget.

In our efforts, we have been strongly backed by our 38 partner organisations - including 15 national partners - spread across every corner of the EU. We count all the members of **EuroACE**, being among the biggest names in construction, as giving us their backing. That has been matched by civil society groups from E3G to the European Federation of Building and Woodworkers.

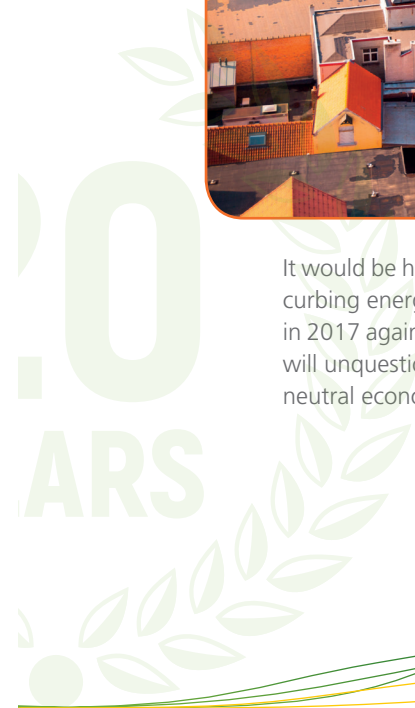
In the European Parliament, our manifesto pledge to stop energy waste in buildings received the backing of more than 100 MEPs, from seven political groups and 23 Member States.

And from the EU executive, we have had video messages of support from Commissioners Oettinger, Canete, Katainen and Sefcovic. The former European Council president, Herman Van Rompuy, made headlines when he sent a missive, endorsing our case that an ambitious buildings efficiency programme could create two million new jobs in Europe by 2020.



It would be hard to name an EU politician who has worked with greater dedication and diligence for the cause of curbing energy waste from buildings, than Miguel Arias Cañete. Notably, he spoke at our Renovate Europe Day in 2017 against "flexibilities" that some Member States were demanding in the EPBD revision, saying: "Buildings will unquestionably play a major role in delivering on our Paris commitments, and ultimately achieving a carbon neutral economy. We will not achieve our objectives without renovating our building stock."

[...]



During this period, buildings were not considered as a separate sector in EU climate and environmental policies. It was **EuroACE** that put the buildings sector on the policy agenda by commissioning research into the energy performance of buildings and the associated emissions

Signing of the Kyoto Protocol setting emission reduction targets for the world

1992
Earth Summit, Rio de Janeiro

1998

EuroACE established as a de-facto association in Belgium

1997

2002

The first Energy Performance of Buildings Directive (EPBD) is adopted requiring all Member States to set minimum energy performance standards for their buildings

2008

EuroACE formalises its structure to become a not-for-profit association (ASBL) under Belgian law. This led to the election of the first President on 25th June 2008

Amanda Afifi,
Secretary General
2008-2011



2010

The re-cast EPBD is adopted with a new requirement that all new buildings in the EU will be nearly zero energy buildings (nZEB) from 2020 onwards

2011

Adrian Joyce starts
as Secretary General



RENOVATE EUROPE

The Renovate Europe Campaign is launched to call for a reduction in the energy demand of the building stock in the EU by 80% by 2050 as compared to 2005. All **EuroACE** members fully support the Campaign and many external partners also join.

Commissioner for the Environment, **Andris Piebalgs**, addresses the 10th Anniversary celebrations of **EuroACE**



Workshop,
BELGIUM, 2012

Workshop,
IRELAND, 2012

Workshop,
THE NETHERLANDS, 2011

Workshop,
GERMANY, 2011

2013

Workshop,
SPAIN, 2013

Before 1998 and right up to 2008, the member companies cooperated together in an ad-hoc, informal manner with no fixed rules. Thanks to the efforts of several key persons and resources from the members, the role and reputation of **EuroACE** began to grow. Some of those key persons were:

Andrew Warren



Trine Albæk



Kurt Emil Eriksen



Horst Biedermann



eu2013.ie

EuroACE invited to speak to all EU Ministers for Energy under the Irish Presidency

EuroACE has grown from an ad-hoc platform for structured cooperation between like-minded companies to become the go-to European association for energy efficiency in buildings. Throughout its life, it has stuck faithfully to one clear objective: put the energy performance of our buildings on the political agenda and keep it there so as to deliver warm, healthy and comfortable buildings to all EU citizens and simultaneously reduce their impact on the environment and on the climate

EuroACE

THE EUROPEAN ALLIANCE OF COMPANIES
FOR ENERGY EFFICIENCY IN BUILDINGS

The journey so far: EuroACE over time with key events and personalities

Presidents of EuroACE ASBL over the period 2008-2018

Rick Wilberforce
2008-2011



Jonna Byskata
2012



Adam McCarthy
2012-2013



Susanne Drybøl
2013-2016



Alix Chambris
2016-2017



Céline Carré
2017-2018



2014



EuroACE invited to speak to all EU Ministers for Energy under the Greek Presidency

Workshop,
HUNGARY, 2014

Workshop,
POLAND, 2015

Workshop,
ITALY, 2015

Workshop,
SPAIN, 2017

2016



Adrian Joyce features in the TOP 40 most influential Europeans for the Energy Union framework of the EU

The revised EPBD is adopted with several important changes including the setting of a vision for the building stock in the EU to reach nZEB performance level by 2050 and reinforced requirements for undertaking energy renovations across the EU

2018



EuroACE wins the Bronze Award for Association Leadership 2018 at the European Association Awards ceremony

Workshop,
FRANCE, 2018



[...]

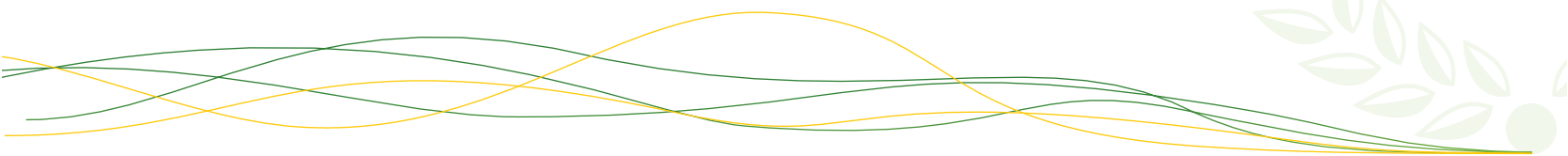
To bring Europe's entire building stock to a nearly zero energy standard by 2050 will require a strenuous and concerted effort – and we are still only pressing our shoulders to that wheel. To move it, we will have to triple Europe's 1%-a-year renovation rate, introduce adequate financial incentives across the board for energy renovations, and consolidate deep and staged-deep renovations as the first choice for building owners.

One useful next step along this journey could be the transformation of the current Energy Performance Certificate regime – which provides little more than an Instagram of building efficiency – into a system of fully fledged building renovation passports. These would be dynamic, digital and transferrable records of all a buildings' improvements to date and planned upgrades over time, with recommendations for reaching nZEB status, financing tools, and targeting information for national authorities. In time, building renovation passports could become the pre-requisite for civic property decisions, but time is in short supply if we are to avert catastrophic global warming.



We would not choose to be starting from the current state that Europe's building stock is in. Yet it is where we are, and we are at least starting. In just seven years, we have helped to bring about some transformational changes in EU legislation and its implementation.

We confidently look forward to championing the technology-neutral, holistic and integrated solutions to Europe's energy performance crisis that will be up for grabs in the years ahead. If we want to deliver on our Paris climate commitments, banish energy poverty as an issue and secure liveable, healthy homes for the 21st Century, we really have no other choice.



EuroACE Members

The backbone of our association...

European associations always consider that their members are of utmost importance and that is certainly true in EuroACE. In fact, our members give **EuroACE** its unique character and legitimacy as they come from so many different segments of the manufacturing and construction industry. Between them our members produce the products, equipment and services that go together to create highly energy efficient buildings. They collectively employ over 300,000 people in the EU spread out over about 1,400 office and production facilities.

Here in these next pages, you will find a brief illustrated overview of each of our members. This will give you a greater appreciation of the breadth of technologies and materials that our members provide for the construction sector:



Armacell

As the inventors of flexible foam for equipment insulation and a leading provider of engineered foams, Armacell develops innovative and safe thermal, acoustic and mechanical solutions that create sustainable value for its customers. Day in day out, our products significantly contribute to global energy efficiency and make a difference around the world. As a multi-materials and multi-product company, we operate two main businesses: Advanced Insulation and Engineered Foams. Armacell pursues an international growth strategy with 25 manufacturing plants in 16 countries on four continents. With its worldwide production footprint, the company has long been a pioneer in exploring new geographical markets and is focused on further growth in emerging markets. The product focus is on insulation materials for technical equipment, high-performance foams for high-tech and lightweight applications and next-generation aerogel technology.

www.armacell.com



Daikin Europe NV

Daikin Europe N.V. is a leading manufacturer and supplier of heating, ventilation, air conditioning and refrigeration for the residential, commercial and industrial markets. With 95 years of experience in air conditioning and climate control solutions, Daikin knows what it takes to create the perfect climate. Daikin's high-quality products are built to deliver maximum comfort, energy efficiency and reliability. Each unit also includes smart control, which means you have access to control your unit at any time, from anywhere. Daikin offers a reliable network of technical and on-site support services through our online portal. Through web applications and tools, we help you monitor and manage your system to keep it running seamlessly. As an innovation leader, we guarantee our products and services can help you achieve your perfect climate.

<https://www.daikin.eu/>





Danfoss

Right from the beginning, Danfoss had an international outlook. Engineering technologies that enable the world of tomorrow to do more with less meeting the growing need for infrastructure, food supply, energy efficiency and climate-friendly solutions. During the 1950s, Danfoss established itself in the USA and Germany, and when globalisation began to pick up speed in the 1990s, Danfoss was prepared, with factories and sales companies in both Russia and China. Today, these four countries are Danfoss' biggest markets. Since the first inventions of its founder, Danfoss has been devoted to developing innovative products that meet customers' needs for today and tomorrow.

<https://www.danfoss.com/en/>



Grundfos

The Grundfos motto is *"Innovation is our brand, sustainability is our heart, and excellence is at the top of our minds."* It develops water solutions for the world, setting the standard in terms of innovation, efficiency, reliability and sustainability. Grundfos is a pump-manufacturing company touching millions and millions of people every day. Its solutions help to move water to where it is supposed to go. Providing drinking water for the smallest villages and the highest skyscrapers, treating and removing wastewater and bringing heat and comfort to the world – or cooling it down if needed.

<https://www.grundfos.com/>



Ingersoll Rand

The success of Ingersoll Rand is enabled by the commitment and dedication to its global workforce. With its focus on a progressive, diverse and inclusive culture, growth through innovation in emerging markets and services and operational excellence, Ingersoll Rand is a company that achieves real progress for its customers around the world. It inspires progress through unleashing the potential in people and technologies to advance quality of life. By making environments comfortable, sustainable and efficient, Ingersoll Rand enables its customers to achieve real progress and create a positive impact in their world.

<https://company.ingersollrand.com/>





Johnson Controls

The future is being built today, and Johnson Controls is making that future more productive, more secure and more sustainable. Johnson Controls creates intelligent buildings, efficient energy solutions, integrated infrastructure and next generation transportation systems that work seamlessly together to deliver on the promise of smart cities and communities. Johnson Controls is a global diversified technology and multi industrial leader serving a wide range of customers in more than 150 countries. Its commitment to sustainability dates back to its roots in 1885, with the invention of the first electric room thermostat and continues to the present day.

<http://www.johnsoncontrols.com/>



Kingspan

Kingspan is the global leader in high performance insulation and building envelope solutions. Improving building performance, construction methods and ultimately people's lives - that's what drives its teams across the world. Every year, it invests 1% of its revenue in R&D to create industry-leading, next generation products and solutions. Commitment to sustainability is instilled at every level of the company and Kingspan is firmly on track to achieve its company-wide Net-Zero Energy goal by 2020.

<https://www.kingspan.com/group/>



Knauf Insulation

Knauf Insulation has more than 40 years of experience in the insulation industry. Today the company employs over 5,500 people across 35 countries and has 37 manufacturing sites in 15 countries. Knauf Insulation is part of the Knauf Group which has more than 27,400 employees worldwide with 220 factories in over 80 countries. The mission of Knauf Insulation is to challenge conventional thinking and create innovative insulation solutions that shape the way we live and build in the future, with care for the people who make them, the people who use them and the world we all depend on. The vision of Knauf Insulation is to lead the change in smarter insulation solutions for a better world.

www.knaufinsulation.com



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**PHILIPS**

Philips Lighting

For over 120 years, Philips Lighting has been at the forefront of innovation. It uses the transformative power of light to make people more comfortable and productive— providing high-quality light in public places, professional spaces, and at home. Philips Lighting uses light to make people feel happier and safer – light that entertains, inspires, and informs, makes cities more liveable, and satisfies people's daily needs. Its products allow society to achieve new levels of energy efficiency through intelligent lighting control. Connected lighting systems use knowledge of the illuminated space to deliver the right level of light in the right place at the right time. Philips Lighting is one of the few companies in the world to offer solutions across the entire lighting value chain – including software, controls, luminaires, light sources, and modules.

<http://www.lighting.philips.com/main/home>



PU Europe

PU Europe was founded in 1981, originally called BING, to become the single European voice for the polyurethane (PUR/PIR) insulation industry. Today, PU Europe represents insulation producers, raw material suppliers and component manufacturers from eleven EU Member States with activities covering the entire continent. Its mission is to support the growth of the polyurethane industry by executing advocacy, standardisation and research activities. PU Europe notably engages with EU decision makers on the energy efficiency theme, the internal market framework, product performance and stewardship issues and the innovation agenda. A greater use in buildings of high performance PUR/PIR insulation boards, sandwich panels, or sprayed on-site, can play a key role in reaching our 2050 climate and energy goals and in implementing the EU industrial policy strategy.

<http://www.pu-europe.eu/>



Rockwool

The ROCKWOOL Group is world leader in fire resilient stone wool solutions for a wide range of applications. Stone wool is a versatile material and forms the basis of all our businesses, from building insulation to acoustic ceilings, external cladding systems to horticultural solutions, engineered fibres for industrial use to insulation for the process industry and marine & offshore. Our heritage is rooted in stone wool. We are committed to enriching the lives of everyone and our solutions help our customers address many of the big challenges of modern living. Whether it's fire resilient and energy efficient buildings, noise pollution, water or food scarcity or flooding, we're developing products to tackle the world's biggest sustainability and development problems. By using stone, one of the world's most abundant natural resources, we aim to make a lasting impact across generations.

<https://www.rockwoolgroup.com/>



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Saint-Gobain

Saint-Gobain designs, manufactures and distributes materials and solutions which are key ingredients to the wellbeing of each of us and the future of all. Its products can be found everywhere in our living spaces and our daily lives: in buildings, transportation, infrastructure and in many industrial applications. Saint-Gobain products provide comfort, performance and safety while addressing the challenges of sustainable construction, resource efficiency and climate change. Present in 67 countries, with a large share of activities in the new-build and renovation markets, Saint-Gobain is a longstanding supporter of strong energy efficiency policies. Its Multi-Comfort program demonstrates that energy efficiency and indoor air quality, thermal, visual and acoustical comfort can perfectly be combined. One of the top 100 industrial groups in the world and one of the 100 most innovative companies in the world, Saint-Gobain continues to deploy its technological know-how supported by its 8 cross-functional research centres across the globe.

<https://www.saint-gobain.com/en>



United Technologies Corporation (UTC)

UTC serves customers in the commercial aerospace and building industries and employs over 200,000 people all over the world. In Europe, UTC companies are present in all markets and they employ over 60,000 people in the region. In the buildings sector, UTC brands Carrier heating and cooling equipment, and OTIS elevators are well known. Its businesses also include Chubb alarm systems and Kidde fire protection. UTC is increasing its building management systems and energy services through innovative technology and its Research Centre in Ireland is a hub for building efficiency projects.

<http://www.utc.com/>



URSA

URSA is a company dedicated to the manufacture and commercialisation of thermal and acoustic insulating materials oriented towards sustainability and energy efficiency in buildings. The company enjoys wide commercial presence in Europe thanks to its 13 production plants, strategically placed across the European continent. URSA products help reduce buildings' energy demand, mainly in heating and cooling, allowing users to reduce their energy consumption and, regarding sustainability, these products do not only contribute to final user comfort, but also lend a hand to the environment, reducing CO2 emissions, and to countries' economies, diminishing fossil fuel dependency.

<http://www.ursa.com/>



**VELUX**

For more than 75 years the VELUX Group has created better living environments by bringing daylight and fresh air into people's homes all over the world. Its products help create bright, healthy, energy-efficient places in which to live, work, learn and play. Every day, millions of people get fresh air and daylight through its products. The VELUX Group has manufacturing and sales operations in more than 40 countries, with an extensive distribution network. The VELUX Group products include roof windows and modular skylights, as well as a range of decorative elements, blinds, roller shutters, installation solutions and remote controls.

<https://www.velux.com/>



... With the support of the secretariat

The **EuroACE** Secretariat is small and efficient, with usually just three persons in the office. However, over the years many talented people have worked for and with us. Their efforts are remembered and appreciated:

Amanda Afifi



Julie Todisco



Adrian Joyce



Caroline Simpson



Perrine Ethuin



Madeleine Laffont



Chris Duerr



Helene Sibileau



Roberta D'Angiolella



Anais Delmonte



Maximilian Klein



Majd Janat



Iva Svobodova



Alexandrina Robu



Albert Aznavour



Caterina Nissim



EuroACE. Looking Ahead

The years ahead will be as demanding for **EuroACE** as past years, but with new members joining EuroACE, new partners supporting the Campaign and our efforts being recognised by awards, we can look forward with confidence.

This year saw the adoption of the revisions to the EPBD, which is the core policy document for our work and the changes in the Directive will require robust implementation in the Member States. The revisions contain a vision for the transformation of the building stock in the EU into a highly efficient, decarbonised one by 2050. This will require changes at all levels in the building sector and in the governance levels of the EU. **EuroACE** will be there to accompany those changes, bringing its expertise and experience to bear on tools such as the long-term renovation strategies that each Member State must now prepare.

EuroACE will build on the positive dynamics that it has created in its first twenty years and will engage more with the national, regional and city levels than before as these are the levels at which the real work and implementation of long-term renovation strategies will happen.

Other changes are already sweeping through the construction sector such as digitalisation and **EuroACE** will embrace this trend as it holds great potential to further enhance the massive contribution that buildings make to the achievement of climate and energy goals.

And **EuroACE** will not forget that it has a role to play in building bridges from the EU policy bubble to citizens in the Member States. After all, the ambition of **EuroACE**, and the logic of all its efforts, is to provide higher quality, more energy efficient, comfortable and healthier buildings for all people across the EU. Doing so will bring a major boost to our economies through job creation, increased activity in construction and reduced costs for governments.

We look forward to working with all our partners throughout the years ahead in the pursuit of our goals.

At eu.bac, the European Building Automation and Controls association, we believe in a future where energy efficiency is achieved through an optimal application of home and building controls, automation systems and services. In our efforts to make policymakers aware of the benefits of BACS, we are glad we can count on our cooperation with **EuroACE**, a well-respected and forward-thinking association that has played a key role in this field in Brussels for the past 20 years.

Simone Alessandri

Director Governmental Relations, European Building Automation and Controls Association (eu.bac)

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EuroACE

THE EUROPEAN ALLIANCE OF COMPANIES
FOR ENERGY EFFICIENCY IN BUILDINGS

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