Energy transition in buildings.

aug·e is one step ahead

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The energy domain is changing towards renewables. Fossil fuels are gradually taking a step back giving the lead to eco-friendlier means. The European Union chose to be an active player in this transition and even though there are difficulties along the way, all countries work towards the same direction, that of establishing a new and efficient energy system. In 2020 renewable energy represented 22.1% of energy consumption in the EU, which is 2% above the target of 20%.

Did you know that buildings in the EU consume <u>40% of the energy produced and generate 36% of the total EU greenhouse gas emissions</u>? Energy transition needs support and proper investments, especially in the building sector, which is crucial for achieving energy and environmental goals. Moreover, green buildings will improve the quality of life and the economy by increasing clean air levels and <u>creating up to 160.000 green jobs in the construction sector</u>.

Aug·e stands for 'Augmented Energy'
At aug·e we help you to create spaces and buildings that are efficient, comfortable and sustainable. With our novel software platform, we control and manage all the energy flows in your building providing the ultimate assistant when it comes to managing and running your properties in a sustainable way.

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Our ambition is to provide our products and services to 1.5 million people enabling them to live smarter, greener and more energy-efficient lives effortlessly by 2027. That is the equivalent of one full-scale gas-fired power plant.
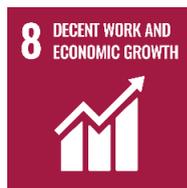
The SDGs are our Allies

In 2015, the United Nations introduced a package called "Sustainable Development Goals" aiming to address challenges worldwide by 2030 regardless of the nature of those adopting them. The 17 goals with their 169 targets act like guidelines leaving space for innovation and creative solutions.

At aug·e we ensure reaching the SDGs through our vision, projects and products. That's why we support **directly** the following goals:

Becoming greener wouldn't be possible without a clean source. *We make sure that all renewable energy* provided and managed through our products *is maximally consumed* leading to a more efficient energy transition that is truly sustainable.

Digital transformation and the increasing popularity of hybrid work make property owners think differently about the role of real estate within their organisation. Buildings are no longer seen as bricks and mortar but as a hub of collaboration. *We guide you by providing the convenience your team deserves.*

[Innovation and technological progress are key to finding lasting solutions](#) to both economic and environmental challenges, such as increased resource and energy-efficiency. *With aug·e's dynamic products, resilience is at the core of every project.*

We help you to transform your building or community into a smart green property that benefits both the economy and the environment. Have your building do its part in the fight against climate change.

One cannot achieve sustainability on their own. Teamwork is Key to the transformation many talk about. *At aug·e we are open to collaborate, exchange ideas and explore ways to work together* with other teams, interested parties and stakeholders.

> We believe in honest cooperation based on true values
> for the benefit of the whole community.
> That's what makes aug·e great.

How can companies have an impact?

The distance from theory to practice seems sometimes to be long and unclear. That's why there are ways to understand, measure and communicate someone's impact through the Global Reporting Initiative (GRI). The GRI "helps organisations to be transparent and take responsibility for their impact as well as to report that impact clearly and efficiently". Regardless of the organisation's operational field, GRI standards help you navigate through the sustainability journey.

Aug·e is here to support you by providing smart software dedicated to your needs.

> Our products can increase the possibilities for obtaining certifications like BREEAM, LEED and certainly, WELL

EU Green Deal

The introduction of the Sustainable Development Goals triggered a global reaction in pursuit of achieving a better future for all humankind and the Earth. Within this context and as part of the previous efforts and commitments, the European Union introduced the EU Green Deal in 2019. Its purpose is to transform the EU into a modern, resource-efficient and competitive economy, ensuring:

- No net emissions of greenhouse gases by 2050
- Economic growth decoupled from resource use
- No person and no place left behind

Along with the Green Deal, the EU has developed several mechanisms and plans to tackle climate change, encourage and support energy transition, spread awareness and be a leader in the sustainable era. Some of the recent mechanisms are the European Smart Readiness Indicator, the Fit for 55 package and the European Renovation Wave.

European Smart Readiness Indicator (SRI)

The SRI was introduced in 2018 and continues to be updated since then. It aims to raise awareness of the benefits promised by smart building technologies, such as automation and monitoring of building systems (including heating, hot water, ventilation, lighting, etc.). Through the implementation of the SRI framework, technological innovation in the construction sector gets support, and thus it is creating an incentive for the integration of cutting-edge smart technologies in buildings, leading to increased energy efficiency, carbon emission savings, as well as improved comfort and convenience for building occupants.

European Smart Readiness Indicator (SRI)

In other words, SRI acts as a supporting mechanism for everyone who needs to monitor the smart technologies in their buildings. It provides a good indication of the current status and possible improvements of a property and proves once again the decisive role of buildings in the process of energy transition.

Aug·e positively impacts the three main domains of the SRI.

1. We allow for more efficient management of the buildings via predictive maintenance and energy management based on advanced artificial intelligence.

2. Aug·e provides interfaces that allow for direct interaction with the users. Improving employee or occupant experience while improving communication with them

3. Taking into account all available data, aug·e is able to manage the energy consumption in relation to the grid. Turning buildings into vital components for the smart grid of the future.

> With the help of structured data, aug·e can use artificial intelligence to forecast energy consumption and even reduce it by 30%

Fit for 55

The Fit for 55 package is a **set of proposals to revise and update EU legislation** and to put in place new initiatives with the aim of ensuring that EU policies are in line with the climate goals agreed by the Council and the European Parliament. In other words, it aims to translate the ambitions of the Green Deal into law. The package refers to the EU's target of reducing net greenhouse gas emissions by at least 55% by 2030 and aims to bring EU legislation in line with the 2030 goal. It is interesting to note that Fit for 55 focuses especially on sectors where progress with integrating renewables has been slower to date, including transport, buildings and industry.

At aug·e, we help accelerate the transition process through our products and services.

We provide the best-in-class applications to support your building's energy management system offering you more time to focus on your team and your daily work. With a wide range of use cases, you may opt for the most suitable to make your properties more attractive and efficient. The **data governance** on the platform allows for a variety of apps that can be connected and markedly outperform the single-purpose apps from a functional point of view. As aug·e consistently uses open standards, it can accommodate the most diverse apps on the market.

> By unleashing the power of data, aug·e creates an immersive user experience that offers an economic added value while facilitating the energy transition

European Renovation Wave

Buildings are central in the construction sector and the economy in general. <u>85% of buildings in the EU were built over 20 years ago and most of them (85-95%) are expected to still be standing in 2050</u>. To bring them to the expected standards and boost renovation in the EU, the European Commission published the strategy "<u>A Renovation Wave for Europe – Greening our buildings, creating jobs, improving lives</u>" in 2020. It aims to double annual energy renovation rates in the next 10 years. Aug·e is here to offer a variety of smart digital tools that provide flexibility, create real impact and enhance the value of properties.

> We make sure buildings are not only able to consume less energy, but more importantly, that they consume it at the right time.

The expected renovations will enhance the quality of life for people living in and using the buildings and create many additional green jobs in the construction sector.

Among the actions, it is expected to implement the New European Bauhaus initiative according to which Europeans can come together to share ideas on climate-friendly architecture. The goal is to bring together experts from different knowledge backgrounds and combine science, technology, art and culture. It's an innovative step towards leveraging green and digital challenges in order to transform lives for the better.

> At aug·e we truly value sustainable architecture and support it through our smart technologies and data governance

As aug·e controls and manages all the energy flows in the building, it always has its finger on the pulse, making it the ultimate assistant when it comes to managing and running properties. At the same time, it also results in tackling energy poverty and enhancing wellbeing for all.

Local Energy Communities

To achieve proper and sustainable energy efficiency we need everyone on board. By *everyone* we mean all stakeholders and actors at the international, national and local level; we mean both the public and private sector; we mean both teams and individuals. The transition has to be inclusive leaving no-one behind. To this, collective actions of citizens come together taking ownership of their energy consumption and playing an active role in the energy system. Energy communities can promote social and solidarity-based economy and innovation in the energy sector, tackling energy poverty and promoting sustainability.

At aug·e we only feel truly good about ourselves if we are part of a group. We see to it that a stronger sense of community in your building makes people want to stay longer, which in turn, creates a direct added value for you as an owner. That's how Community Management works.

> Being part of the energy community goes beyond the walls of your house and strives for improved wellbeing, eco-friendlier livelihoods and balanced economies. Aug·e is here to provide what is necessary to reach the goal of energy transition for all.

A transition towards the era of green buildings is not easy and needs time. Spreading awareness and thinking out of the box would be the very first steps of such a long process. We at aug·e do our best to ensure the smooth transformation of buildings and increase their flexibility and value simply and digitally.

Contact us

We are a leader in property energy management, and you can see it through our products.

Come join us in the journey of sustainable transformation and let's explore more ways to make your property the building of tomorrow... today!

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