

LOYTEC's ESG Journey: Upcycle your Space for a Sustainable Future

How LOYTEC is Leading the Way in Retrofitting and ESG in Building Automation



by Amdi Kirkgaard

At LOYTEC, we've been committed to sustainability long before it became a mainstream concern. Our approach to Environmental, Social, and Governance (ESG) practices is not just a response to industry trends—it's a core part of how we innovate and deliver technology to the building automation industry. This article will walk you through how our ESG efforts align with our mission to "Upcycle your Space,"

creating smarter, more efficient buildings that contribute to a sustainable future.

Environmental Focus: Smarter Energy, Cleaner Production

One of the key pillars of our ESG strategy is the environment. At our headquarters in Blumengasse, Vienna, we've recently expanded our solar energy capabilities by installing additional panels. These generate more energy than our production lines consume,

demonstrating how we're reducing our carbon footprint and contributing to a more sustainable energy mix.

Additionally, we are deeply focused on reducing the use of plastics in our production process and minimizing packaging waste. These efforts not only help the environment but also streamline operations, something engineers can appreciate when managing logistics and sustainability in real-time.



For those working directly in the field of building automation, this environmental focus translates into providing products and systems that prioritize energy efficiency, sustainability, and reduced operational costs. In an industry where energy management is critical, LOYTEC's focus on environmental responsibility plays a key role in creating long-lasting solutions.

Social Responsibility: **A Global Team for Global Solutions**

LOYTEC's commitment to the "S" in ESG goes beyond compliance. We take pride in our diverse workforce, with over 14 nationalities represented in our Vienna headquarters alone. This diversity allows us to foster creativity, innovation, and a better understanding of the global markets we serve.

For engineers and technicians, this means you're not just working with technology, but with a team that brings

multiple perspectives to solve complex problems. Our international approach helps us think beyond local solutions and deliver technology that adapts to global challenges, from energy efficiency to climate change mitigation.

In the world of building automation, where teams often work across borders, this diversity helps in understanding and addressing the unique needs of different markets. By fostering an inclusive culture, LOYTEC ensures that we're continually innovating in ways that matter to both the environment and the people who live and work in the spaces we help automate.

The Critical Role of ESG **in the Building Industry**

For many in the building automation industry, ESG is becoming increasingly significant. Buildings are responsible for around 40% of the EU's total energy consumption and approximately 28% of global CO₂ emissions, making them a critical focus for sustainability efforts. In this context, the role of ESG in building automation is undeniable.

As engineers and technicians, you're on the frontlines of making these buildings more energy-efficient and environmentally friendly. The demand for greener solutions is only growing, driven by both the public and regulatory





bodies. Specifically, the EU's Corporate Sustainability Reporting Directive (CSRD) is expected to be a game-changer in driving sustainability in the building sector.

However, this movement isn't limited to Europe. Globally, governments and regulatory bodies are implementing similar frameworks to reduce carbon footprints and improve energy efficiency in buildings. Countries around the world are increasingly adopting sustainability reporting regulations, echoing the EU's lead in creating stricter energy performance standards. This global push for ESG integration ensures that the drive for greener buildings and retrofitting solutions is not just a regional trend, but a worldwide shift that will influence the building automation industry for years to come. The CSRD, set to take full effect in 2025, will require companies to report on the environmental and social impacts of their operations, including



their supply chains. This means that even companies involved in building automation, retrofitting, and system integration will be required to align with ESG frameworks.

Retrofitting Over New Builds: The Future of Sustainable Construction

One of the key opportunities emerging from ESG requirements is the shift towards retrofitting existing buildings rather than constructing new ones. The EU's Energy Performance of Buildings Directive (EPBD) highlights this need, recognizing that approximately 75% of existing buildings are energy inefficient. Rather than demolishing and rebuilding, retrofitting presents a cost-effective and sustainable solution to improve energy efficiency across Europe.

This is where LOYTEC's initiative to "Upcycle your Space" becomes critical. By leveraging advanced building automation technologies, we



can transform existing buildings into energy-efficient, sustainable spaces without the environmental costs associated with new construction. For engineers and technicians, retrofitting offers the challenge of modernizing old infrastructure while maintaining the integrity of existing systems.

With the right technology, retrofitting can help turn inefficient buildings into nearly zero-energy buildings (NZEB),

all while minimizing resource consumption. LOYTEC's commitment to upcycling spaces aligns with the broader industry shift towards retrofitting, helping buildings meet the latest energy performance standards without the need for costly new builds.

This shift is already being driven by CSRD regulations in Europe, but similar regulatory trends are emerging globally. As countries strive to meet their climate targets, retrofitting is increasingly seen as the most practical and sustainable solution. With retrofitting seen as one of the fastest paths to reducing carbon emissions, the building automation industry is positioned to lead this transition on a global scale.

By integrating advanced automation solutions like smart energy management systems, HVAC optimization, and human-centric lighting, LOYTEC is helping to bridge the gap between old infrastructure and modern sustainability requirements. The initiative to "Upcycle your Space" demonstrates how we're actively contributing to a future where existing buildings are repurposed for better energy performance, rather than discarded.

Conclusion: Human-Centric Innovation Empowering ESG Transformation

At LOYTEC, we understand that technology serves people, not the other way around. Our focus on human-centric design drives every innovation, ensuring that our solutions not only meet technical challenges but also enhance the experience for those who interact with them. From developers and engineers to integrators and end-users, it's the people behind and within the buildings that truly matter.

By prioritizing human needs alongside cutting-edge technology, LOYTEC empowers both individuals and businesses to achieve greater efficiency, sustainability, and connectivity. Our integrated hardware, software, and automation systems are designed to seamlessly "Connect Everything, Empowering Everyone," helping our users tackle the evolving demands of ESG and building automation.

Through technical innovation and a focus on human-driven design, LOYTEC's systems offer more than just solutions—they provide the tools to create smarter, healthier, and more sustainable environments. It's this combination of people-first technology and holistic ESG strategy that ensures LOYTEC is not only meeting today's needs but also shaping the future of building automation.

UPCYCLE YOUR SPACE.