



FlexiBIT

presented by
aRTE Möbel GmbH , Magdeburg, Germany

Who are you, and what is your organization's area of expertise?

aRTE Möbel, GmbH

aRTE Möbel GmbH is a furniture manufacturing company based in Magdeburg, Germany, specializing in high-quality, sustainable furniture production. With a strong focus on energy efficiency and digital innovation, we are committed to optimizing industrial energy consumption and integrating smart energy management solutions to support the transition to a more flexible and sustainable energy system.



What is your vision for FlexBIT?

Our vision for FlexBIT is to integrate smart energy management solutions into our manufacturing processes, making industrial energy use more flexible, efficient, and sustainable. We aim to optimize energy consumption, increase self-use of renewables, and contribute to local energy communities, demonstrating how industrial facilities can actively support grid stability and Europe's transition to a decarbonized energy future.



What specific role does your organization play in FlexBIT?

aRTE Möbel GmbH serves as an industrial demonstrator within FlexBIT, focusing on energy flexibility in manufacturing. As part of an industrial energy community with Aue Funeral GmbH, the company will integrate renewable energy and energy flexibility solutions to optimize electricity consumption and reduce carbon emissions. Additionally, aRTE Möbel will test blockchain-based solutions for tracking energy sustainability in industrial processes, contributing to enhanced transparency and traceability of energy use



What are the key outcomes your organization hopes to achieve in FlexBIT?

aRTE Möbel aims to enhance energy efficiency by integrating renewable energy sources and flexibility solutions within its manufacturing processes. As part of an industrial energy community, the company will optimize energy consumption, reduce carbon emissions, and improve sustainability tracking using blockchain technology. Additionally, aRTE Möbel will explore new business models by offering flexibility services to nearby businesses and residential areas, creating additional revenue streams.



Why is FlexBIT important for Europe's energy transition?

The transition to renewable energy requires industrial and commercial buildings to play an active role in energy flexibility. FlexBIT enables aRTE Möbel to integrate and manage renewable energy more efficiently, reducing reliance on fossil fuels while maintaining cost-effectiveness. By implementing blockchain-based solutions and flexibility tracking, FlexBIT helps industries contribute to a resilient, decentralized, and sustainable energy system energies.



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