

foom Company Profile

foom is a Berlin-based deep-tech company developing a new generation of technology for decentralised nutrient recovery. The company's mission is to help businesses, cities and regions transform organic waste into valuable local resources, reducing emissions and strengthening resource resilience.

Today, organic waste in the EU is transported to large centralised treatment facilities, where more than 75% is incinerated or landfilled. Circular treatment typically takes several months before nutrients can be returned to the soil. foom takes a fundamentally different approach. Its fully automated technology converts organic waste into high-quality fertiliser directly where it is generated, within just two days, providing efficient, scalable and sustainable infrastructure for a future with growing volumes of organic waste.

The technology combines selected microbial consortia, a proprietary bioreactor system and AI-powered process control into an integrated platform for decentralised nutrient recovery. Built on several years of research and development, it transforms a highly variable biological process into a robust, fully automated and scalable industrial application.

foom is initially bringing this technology to market in a standardised plug-and-play container, enabling organisations with continuous organic waste streams — including stadiums, hotels, canteens, hospitals, universities, food retailers and airports — to convert organic waste into high-quality fertiliser on-site within just two days. Using the foom technology, organisations can lower disposal costs, reduce greenhouse gas emissions and keep valuable nutrients within regional cycles.

The company's ambition extends beyond individual sites. While the first generation of the technology is deployed in containerised systems, the underlying technology platform is designed to scale to larger decentralised treatment hubs, helping entire cities and regions close nutrient cycles, reduce emissions and strengthen resource resilience.

Headquartered in Berlin, Germany, foom was founded by Dr. Anike von Gagern and Dr. Kathrin Weiß in 2022. Today, the company has a multidisciplinary team spanning microbiology, process engineering, hardware development, automation and artificial intelligence. Supported by Germany's Federal Agency for Breakthrough Innovation (SPRIND), foom is preparing its first two industrial pilot installations in Berlin and Bremen, which will launch in Q1 2027 together with partners from the private and public sectors.