






DEEP SCIENTIFIC: 3D-printed electrochemical sensors



3D-printed electrochemical sensors monitor and purify **air, water, and soil**, both on Earth and in space. Specializing in CO2 conversion, Deep Scientific transforms captured CO2 into valuable products like hand sanitizers, contributing to environmental sustainability and circular economy practices.

-  29.99 Eur per a sensor pack unit number depending on the type and complexity of the sensors included
-  Reduces pollution, supports circular economy, consists of biodegradable composition
-  Lithuania
-  Worldwide
-  Scale



Deep Scientific specializes in standardized sensing platforms for air, water, and soil, applicable both on Earth and in Space environments.



HOW IT WORKS

Deep Scientific offers cutting-edge green solutions through their 3D-printed electrochemical sensing platforms, designed to monitor and purify air, water, and soil in both terrestrial and space environments.

Their technology incorporates electrolyzers and magnetic nanorobots for advanced environmental cleaning, enabling precise CO₂ conversion and pollutant removal. These electrolyzers efficiently transform captured CO₂ into valuable products, such as hand sanitizers, while magnetic nanorobots target and eliminate contaminants at the nanoscale. This innovative combination of sensing and cleaning technologies reflects company's commitment to sustainability and the circular economy, providing scalable, eco-friendly solutions that actively contribute to environmental restoration and resource efficiency.

Deep Scientific products include wearable devices designed for both sensing and cleaning environmental pollutants. These devices integrate advanced 3D-printed electrochemical sensors to monitor air, water, and soil quality in real-time, alerting users to the presence of harmful substances. Additionally, their wearables are also equipped with magnetic nanorobots and electrolyzers that actively clean the environment by converting CO₂ into useful products like hand sanitizers and removing contaminants at the nanoscale. This combination of sensing and cleaning technology in a wearable format makes their products both practical and powerful tools for personal and environmental health.

BUSINESS

Deep Scientific leverages 3D-printed electrochemical sensors and advanced technologies like UV light to monitor and clean these environments. Their expertise includes CO₂ conversion processes, turning captured CO₂ into valuable products. Committed to sustainability and the circular economy, Deep Scientific provides innovative, scalable solutions that not only detect but also actively contribute to environmental purification, making their technology essential for both terrestrial and extraterrestrial applications.

