



Laureate of Efficient Solution Label for Environment

biaEnergy transfers electricity through the air to devices and batteries and serves with that especially the following 8 ESG Goals. With this technology consumers and companies will need fewer household batteries and charges. This leads to the reduction or the elimination of the need for plastics, metals, and chemicals. Below are examples of how this impacts the SDGs.



Every person ingests 5 mg micro plastics per week. Using batteries and by plastic made cables, adapters, causes bad conscience in users. In 2022, 243 000 tonnes of portable batteries sold in the EU in 2022, 99 000 tonnes of used portable batteries were collected for recycling only. This still leaves us with around 130, 000 tonne of portable batteries waste. Changing batteries in critical use-cases is annoying (e.g., cameras or doorbells.)



Across Europe, thousands of sites are contaminated with toxic, man-made chemicals called PFAS'forever chemicals'. The massive contamination of European drinking waters by this invisible pollution will accompany humanity for centuries, even millennia. 48% of US' water is contaminated by chemicals forever.



Defects at office & home appliances devices caused 21% by or at cable or its interface. Batteries are a periodically recurring burden regarding convenience and cost. Cable, Qi-devices, Power banks, sockets, adapters are a matter of expense.



Devices are spatially fettered by cables. Consealed or surface cabling causing cost and disturbance. New technologies are hindered to emerge e.g., wireless cardiac pacemakers.



Transport and distribution of current connecting means add to traffic. (7% of Amazon's traffic caused by those means.) Millions of tons plastic, chemicals and metals are being transported over our streets, oceans, and sky to produce the semes.



Production materials restrict more uptime capability of the devices. Batteries are necessities for device usage. Less customer satisfaction by prevalence of harmful old connection technologies. Raw materials for the batteries are obtained through the exploitation of children in Africa.



In 2022 Amazon used 245K tons cartons made from cut forests for the packaging of cables, batteries, adaptors, plugs, sockets, lightnings, usb-connectors.



Batteries, dumped cables, rare metals in power banks, Qi-devices, their packages and coatings, housings from plastics are the one of the biggest harming sources. The amount of plastic in the ocean is expected to double in the next 15 years, and it's estimated that by 2050, there will be more plastic in the ocean than fish.

