Clamor Electric Reckon

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Some of the sustainable development goals that are also included in Egypt’s grand challenges are overpopulation, consequently increasing the national consumption of resources of energy (for instance: fossil fuels, biomass, and other unclean and unrenewable resources of energy) leading to increased pollution and devoured national economy. This project’s contribution to solving such problems is by making an embedded system that can compute the net of forces surrounding us. This technology is built on making new types of sensors that are based on the direct proportion between the sensitivity of the energy absorbent and the power production. It is a technology that is going to extract every benefit from any kind of force exerted on any object surrounding us. The first application for it was applied on sound. Eventually, the project’s last embedded system is generating power from forces like (potential energy, kinetic energy, heat energy, light energy, and sound energy). The project’s future plan is to apply this system to one integrated sensor board that can be embedded in electronic devices. It would allow them to charge automatically without the need for chargers anymore. This largescale application by statistics would allow the country to provide up to 280 million dollars per year from the national economic consumption. It would decrease pollution at high rates if we neglected the overconsumption of unrenewable and unclean resources and started using natural wasted forces that are freely tolerated for substitution.

Awards Won: