



Humanity is facing one of its greatest challenges. Many resources that are currently used for energy generation are not infinite. In addition, humankind has burned climate-damaging fossil fuels for more than a century, emitting innumerable pollutants and millions of tons of carbon dioxide greenhouse gases into the environment. As a result, our climate has changed significantly. But one of our partners has been working on an eco-friendly solution that uses cosmic rays as a source of energy for more than 10 years. This technology has the potential to revolutionize the existing energy supply system and secure the world's energy future; the so-called P-particle technology.

P-particles are electrically neutral elementary particles with a very low mass. There are three types of P-particles in the Standard Model of Elementary Particle Physics, and we do not notice it ourselves, but in a second, quadrillions of P-particles cross our bodies. Who can remember Albert Einstein's formula $E = mc^2$? Among other things, this theory implies that mass in motion always means energy. And the mass of P-particles is enough to run electrical equipment.



The Project

In 2008, our partner was still researching solutions for the improvement of photovoltaic solar cells. However, the company quickly realized that the instability of the materials used did not provide any relevant benefits to the solar cells. However, the experiments produced an effect of atomic vibrations and resonances in the particles. This awareness changed the focus of the company's research into the transformation of invisible radiation spectra into electricity; the P-particle

Energy. This is a kind of solar technology that, in contrast to solar energy, does not focus on the visible but on the invisible spectrum of the radiations and transforms them into energy through a thin foil. Invisible radiation has the advantage that it surrounds you permanently, even in total darkness.

The P-particles are not captured by the technology, but the technology generates a micro-vibration in the smallest nanoparticles and converts this kinetic energy of electrons on a metallic carrier into electricity. The key advantage of this type of power supply is that the technology does not require a built-up power plant, but that energy can be obtained directly at the point where it is needed. Because the invisible radiation is present in the entire cosmos and the power generated is sufficient to provide electrical appliances of daily use with sufficient energy. Cable and electricity networks would therefore be obsolete on the basis of the new technology. So, a power source that can operate a device 365 days a year, 24 hours without external power source. The amount of power per square centimeter required for a given device can be calculated and scaled.

In 2015, the Nobel Prize was awarded to scientists who were able to prove the presence of mass in P particles. Also, the functionality of the P-particle technology and the associated energy production has already been notarial confirmed. Now the technology has to be developed further so that it can be transferred to industrial production. But for this our partner needs financing.

Which financing is needed?

For the implementation of the goals our partner requires a financing of about 86 Million euros, which are hedged with a suitable share package. Capital is needed for various development areas, such as: For example, a film machine (€ 6 million), a mobile phone charger (€ 8 million), a table lamp concept (€ 2 million), a wireless broadband network solution (€ 15 million Euro), for e-mobility (€ 10 million) and solutions for domestic (€ 5 million) and industrial supply (€ 5 million), as well as an industrial solution for a power plant (€ 35 million). Parts of these sums are directly needed; the other part is due in about 6 months.



What has been invested so far?

Approximately 25 million euros from the project manager

Approximately € 10 million worth of work done by researchers, developers, professors, etc.

2.5 million euros in investor funds

The value of the share is currently 8.80 euros.

How is the team structured?

The team has years of experience in the field of power systems and works very closely with renowned scientists from around the world.

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Project Management

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