This video talks about the generation of solar energy using solar panels, which consist of solar cells. Solar cells made of silicon - the most common semiconductor in the world. A silicon photocell uses two different layers of silicon. Silicon n-type has an excess of electrons and silicon p-type - additional places for electrons, which are called holes. Thus, it is created through the p – n junction, where electricity is generated.

The video also describes the problems and disadvantages of using solar energy, which are associated with the uneven distribution of solar energy on our planet.

Some sites and areas on the planet are more sunny than others. Some areas are more prone to cloudy weather and rainfall.

Despite the problems, the solar industry is actively developing. Solar energy is one of the most affordable renewable sources on Earth. Today, modern equipment is being created, innovative technologies are being promoted, which are aimed at reducing the cost of technological equipment and increasing the efficiency of electricity generation in general.