CASE STUDY TITLE: NRG SOLAR FOUNDATION

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THEME: WRITE DOWN ONE OF OUR 4 THEMES: **RENEWABLE ENERGY**, SUSTAINABLE HOUSING, SUSTAINABLE FOOD SYSTEM, CIRCULAR ECONOMY

Case study (350 - 500 words in total divided in the following elements)

Case study description:

The Foundation implements projects in the field of renewable energy sources, improvement of energy efficiency, energy management systems and sustainable energy development of renewable energy sources (including photovoltaic installations, heat pumps) for households and business clients in Poland and abroad. Photovoltaic installations consist of panels that the Foundation mounts on the roof of the house or on the ground on the sunniest side of the plot. Installations are executed on site with respect to the environment and protection of the landscape.

Environmental and/or social effects:

The following factors constitute important environmental and social effects for... :

- supporting the local labor market, especially the unemployed, former employees of local industrial and power plants in the Konin`s energy sector.
- obtaining electricity from the sun
- does not produce solid waste and sewage.
- no noise pollution
- independent of rising energy prices
- reducing energy poverty, especially when it is possible to obtain government subsidies
- ability to become a prosumer, i.e. a consumer and producer of electricity in one. The profitability of this solution lies in the possibility of "storing" and receiving free of charge up to 80% of the electricity surplus produced, which directly reduces bills.
- energy management system obtained from a photovoltaic micro-installation. This system enables intelligent control of the flow of energy obtained from a photovoltaic micro-installation between the current consumption of the devices using it from electricity, electricity storage

Closure, with focus questions arising from the case / problem:

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photovoltaic panels are not only an ecological investment, friendly to the natural environment, but also to the users themselves . They are environmentally friendly. They do not generate noise and pollution. A home photovoltaic installation allows to become independent of rising energy prices- production of own electricity It can also be a source of additional profit when selling surplus energy to the external grid. A separate issue is the disposal of panels that have reached the end of their technical life and this is the problem that the Foundation will soon face problem, when customers will want to disassembly old panels and install new ones. The funcion will be forced to take over the disposal of old panels.

Questions arising from the case / problem:

- What is the problematic situation the SE is trying to solve? (problem)
- Why did they decide to solve it? What drives them? (purpose)
- What are the SE's activities? What do they do to solve it/them? What other steps would you take to solve the problem? (solution)
- What is their target group? Who are their clients? Who are their customers? (customer segments)
- How will the SE's activities change the world or the situation for the better? (impact)
- And how will they know that they achieved that? (key metrics)
- So what does de SE do differently? What do their customers perceive as the biggest value? (unique value proposition)
- In which ways do they deliver their products or services (channels)
- What are their main costs and what is the main source of their revenue? (revenue)

STAKEHOLDERS: (1) ENERGY CONSUMERS, (2) ENERGY DISTRIBUTION SYSTEM OPERATOR , (3) PROSUMER, (4) XXX, (5) XXX
ETHICAL ISSUES (POSITIVE, NEGATIVE) IN RELATION TO THE SCENARIO: (1) EDUCATION , (2) EMPLOY FORMER EMPLOYEES OF LOCAL POWER PLANT,
GREEN SKILLS ADDRESSED: (KEEP RELEVANT ONES FROM THE LIST) ENERGY SKILLS, WASTE MANAGEMENT SKILLS, FINANCIAL SKILLS, PROCUREMENT SKILLS, MANAGEMENT SKILLS
SDGS ADDRESSED: GOAL 7: AFFORDABLE AND CLEAN ENERGY, GOAL 13: CLIMATE ACTION, GOAL 12: RESPONSIBLE CONSUMPTION AND PRODUCTION, GOAL 11: SUSTAINABLE CITIES AND COMMUNITIES, GOAL 8: DECENT WORK AND ECONOMIC GROWTH.

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