



SDG 7

Ensure access to affordable, reliable, sustainable and modern energy for all

Targets

7.1 Ensure universal access to affordable, reliable and modern energy services.

7.2 Increase substantially the share of renewable energy in the global energy mix.

7.3 Double the global rate of improvement in energy efficiency.

7.a Enhance international cooperation to facilitate access to clean energy research and technology, including renewable energy, energy efficiency and advanced and cleaner fossil-fuel technology, and promote investment in energy infrastructure and clean energy technology.

7.b Expand infrastructure and upgrade technology for supplying modern and sustainable energy services for all in developing countries, in particular least developed countries, small island developing States and land-locked developing countries, in accordance with their respective programmes of support.

Opportunities for business transformation with SDG 7

Each and every SDG provides business opportunities. Businesses have a chance to contribute to society and their own bottom line by pursuing the SDGs. The following are the strategies businesses can use to play their role for SDG 7:

- **Investing in renewable energy** to reduce dependence on fossil fuels and greenhouse gas emissions, and integrate renewable energy technologies into operations to promote sustainable energy production.
- **Using energy-efficient practices in operations** by installing more energy-efficient lighting, enhancing building insulation, and maximising air conditioning (HVAC) systems.
- **Implementing a circular economy** by creating goods and services that minimise waste, encourage resource reuse, and recycle materials to promote sustainable production and consumption patterns.
- **Promote energy conservation** by encouraging staff and clients to use energy-efficient appliances, turn off lights and laptops when not in use, and use less paper.
- **Provide energy access solutions to underserved communities** such as off-grid renewable energy systems, micro-grids, and portable solar-powered devices.





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Case Study

Background



Malaysia's agricultural sector relies heavily on drying as a means of food preservation, but conventional drying techniques often will cause air pollution, deforestation, and greenhouse gas emissions. These methods are not always efficient or affordable for small-scale farmers in rural areas.

Challenges



The lack of economical and reliable energy sources for drying operations is an issue facing Malaysia's agricultural sector. Open-air sun drying is less hygienic, and traditional drying technologies can lead to uneven drying, loss of nutritional value, and extended drying times. To solve these issues and support SDG 7, innovative and sustainable solutions are needed.

Solutions



The invention of a Greenhouse Solar Dryer uses solar energy to generate heat for drying purposes, with features such as ventilation, temperature control, and even drying. BBC provides training and technical support to users, as well as research and development to continuously improve the efficiency and effectiveness of the dryers.

Impact



Greenhouse Solar Dryer has had a significant impact on sustainable development, reducing air pollution and greenhouse gas emissions, increasing quality and market value of dried items, and providing users with training and technical support. It has also proven a sustainable business model that blends revenue growth with social and environmental impact.