

## AND ANOTHER INNOVATIVE TECHNOLOGIES USED IN SUSTAINABLE DEVELOPMENT:

### Renewable energy technologies:

The technologies, such as solar, wind, and hydroelectric power can help to reduce our reliance on fossil fuels and mitigate climate change.

**Solar power:** photovoltaic (PV) systems and concentrated solar power (CSP) help in achieving SDG 7 (Affordable and clean Energy) by providing clean and sustainable energy.

**Wind power:** Onshore and offshore wind turbines contribute to SDG 7 by generating renewable electricity.

### Clean Water and Sanitation Technologies:

**Water purification:** Innovative water filtration and purification technologies like membrane filtration, reverse osmosis, UV disinfection help achieving SDG 6.

**Sanitation Solutions:** Technologies such as self-contained toilets, biogas, and decentralised water treatment systems.

### Sustainable Agriculture Technologies:

**Precision Agriculture:** Technologies like remote sensing, drones and data analytics enable farmers to optimize resource use, improve crop yields and reduce environment impact.

**Vertical Farming:** Indoor Farming that use vertical consumption. Stackable layers with controlled environments minimize land use, water consumption and pesticide use contributing to SDG 2 and SDG 12 (Responsible consumption and production).