

Design of an Unmanned Aerial Vehicle Assisted by Solar Energy

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Abstract: The green energy sources considered to obtaining energy from primary sources such as the sun energy, wind, and this renewable energy don't pollute. Today the world is being affected by the energies are used mostly as is the oil, natural gas, that are polluting the planet in many aspects such as the greenhouse effect, deforestation, non-degradable garbage, global warming, indirectly contributing to natural disasters generated more strongly such as hurricanes, earthquakes, tsunamis. To attack the problem should seek the application of alternative energy sources that don't generate pollution or contamination to prevent smaller scale compared to the energy used today, that's why, want to apply solar energy as a source of energy support unmanned aircraft type, apart from the main power source is the battery, using a photovoltaic panel to capture and conversion of solar energy to electrical energy, providing more autonomy in flight of the aircraft.

Keywords: Unmanned aerial vehicle, photovoltaic panel, solar energy