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## Design of a solar tracking system for renewable energy

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*Renewable energy solutions are becoming increasingly popular. Photovoltaic (solar) systems are but one example. Maximizing power output from a solar system is desirable to increase efficiency. In order to maximize power output from the solar panels, one needs to keep the panels aligned with the sun. As such, a means of tracking the sun is required. This is a far more cost effective solution than purchasing additional solar panels. It has been estimated that the yield from solar panels can be increased by 30 to 40 percent by utilizing a tracking system instead of a stationary array . This project develops an automatic tracking system which will keep the solar panels aligned with the sun in order to maximize efficiency*