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Power plants could be termed the foundation of our modern cities. The power transmission lines are the link between power plants and the points of consumption, through substations. Most importantly, the assessment of damaged aerial power lines and rusted conductors is of extreme importance for public safety; hence, power lines and associated components must be periodically inspected to ensure a continuous supply and to identify any fault and defect. The maintenance and repair process in place for an electrical equipment is termed as preventive maintenance. Damages in transmission lines could be anything from broken cables or damaged insulators to conductor corrosion. We can detect the fault by using the solar cell based drone.

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