



## APPLICATION SPOTLIGHT – Utilities



Improve  
Safety



Reduce  
Costs



Reduce  
Downtime

# WIND POWER PREVENTIVE MAINTENANCE

MAXIMIZE UPTIME AND REDUCE MAINTENANCE COSTS

## THE CUSTOMER'S CHALLENGE

Wind turbine components are susceptible to wear and can break down. When this happens, the end-result may be costly downtime or a bad accident. That's why preventive maintenance and periodic inspections are so important. Unfortunately, the cost can be high, so you always want to make the most out of every inspection.

## A SOLUTION

Thermal imaging is the only technology that allows you to inspect all electrical and mechanical components of the wind turbine and the surrounding electrical system. Using a thermal imager for periodic maintenance, such as the FLIR E8, can help you detect both electrical and mechanical problems before a breakdown occurs. A thermal camera can show you gearbox and motor issues including shaft misalignments, as well as elusive electrical issues such as loose connections and imbalanced loads. The versatility of FLIR thermal cameras ensures that you can make the most out of your preventive maintenance program.

## THE RESULTS

Adding a thermal imager to your preventive maintenance routine will help you improve efficiency and maximize profitability by catching electrical and mechanical issues before they lead to costly unplanned downtime. You'll improve workplace safety, giving field technicians the ability to see problems before they turn into potentially life-threatening situations.

For more information about FLIR in power generation or to schedule a product demonstration visit: [www.flir.com/power-generation](http://www.flir.com/power-generation)

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*Wind turbine inspections are costly, so it is important to make the most out of each inspection*



*Thermal imaging can be used to detect both electrical and mechanical issues*



FLIR E8™

