

Alternative/Renewable Energy

What is it?

Alternative (or Renewable) Energy can potentially replace or supplement traditional fossil-fuel sources such as coal, oil, and natural gas. Alternative energy sources include solar, wind, geothermal, hydroelectric, biomass and nuclear.

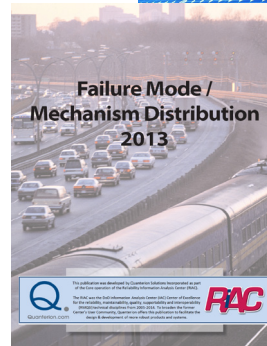


What's the payoff?

Benefits may include increased independence from foreign energy sources and a reduction in the release of toxic elements into the environment. Renewable energy projects may provide local or regional economic benefits.

How can we help?

- › Define a Reliability Program that ensures robust alternative energy product/system designs processes based on realistic requirements
- › Perform assessments of competing design/process approaches and determine the reliability, maintainability and quality (RMQ) attributes of the selected approach to recommend improvements
- › Collect data/information and perform analyses to assess the RMQ status, trends and root failure causes for alternative energy components, systems and/or installations
- › Develop tools/databases (including web-based) that collect data and report RMQ status to facilitate informed and timely decisions
- › Assess the impact of RMQ decisions on total life cycle and ownership costs



and

