



Energy Surety Microgrid™

BENEFITS

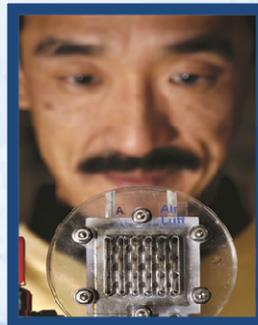
- Risk assessment can assist in planning & analysis of potential risks
- Methodology provides a systematic approach to ensuring power delivery
- Energy independence for small-scale populations
- Reduces risk of power loss/ outages
- Integrates with renewable energy sources

APPLICATIONS

- Solar energy generation
- Energy storage
- Battery charging applications
- Emergency response
- Alternative energy & power supply

Summary

The Energy Surety Microgrid™ (ESM) is a Risk Assessment Methodology (RAM) which is a vulnerability assessment for the critical power delivery functions and needs of a community. The microgrid serves as a predecessor to the larger-scale smart grid making it more specific to serve hospitals, military bases, residential communities, emergency response, etc. in utilizing renewable energy sources when traditional sources fail or are inadequate.



Licensing & Partnering Status:

Various license and partnering options are available. Please contact the Intellectual Property department to discuss.

Technology Readiness Level:

Sandia estimates the TRL at approximately 3-4. Early laboratory prototypes exist which demonstrate “proof-of-concept” and that the key elements work together. TRLs can vary according to the specific application and use of technology.



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