NEW R&D INITIATIVE FOR EXISTING COAL-FIRED POWER PLANTS

Concentrating on dynamic performance and reliability; materials; sensors, controls, and diagnostics; and power plant component improvements

IMPROVING THE RELIABILITY, RESILIENCE, AND VIABILITY OF THE EXISTING FOSSIL-BASED FLEET



NETL RIC IS DEVELOPING NEW TECHNOLOGIES

 R&D program that focuses on new, early stage concepts leveraging NETL's and its academic partners' capabilities.

Using real-time analysis of existing data streams, NETL RIC developed a new concept to identify the maintenance condition of power plants. The process was demonstrated on a lab-scale turbine at NETL and is being discussed with coal plant operators for potential use.

CONTACTS

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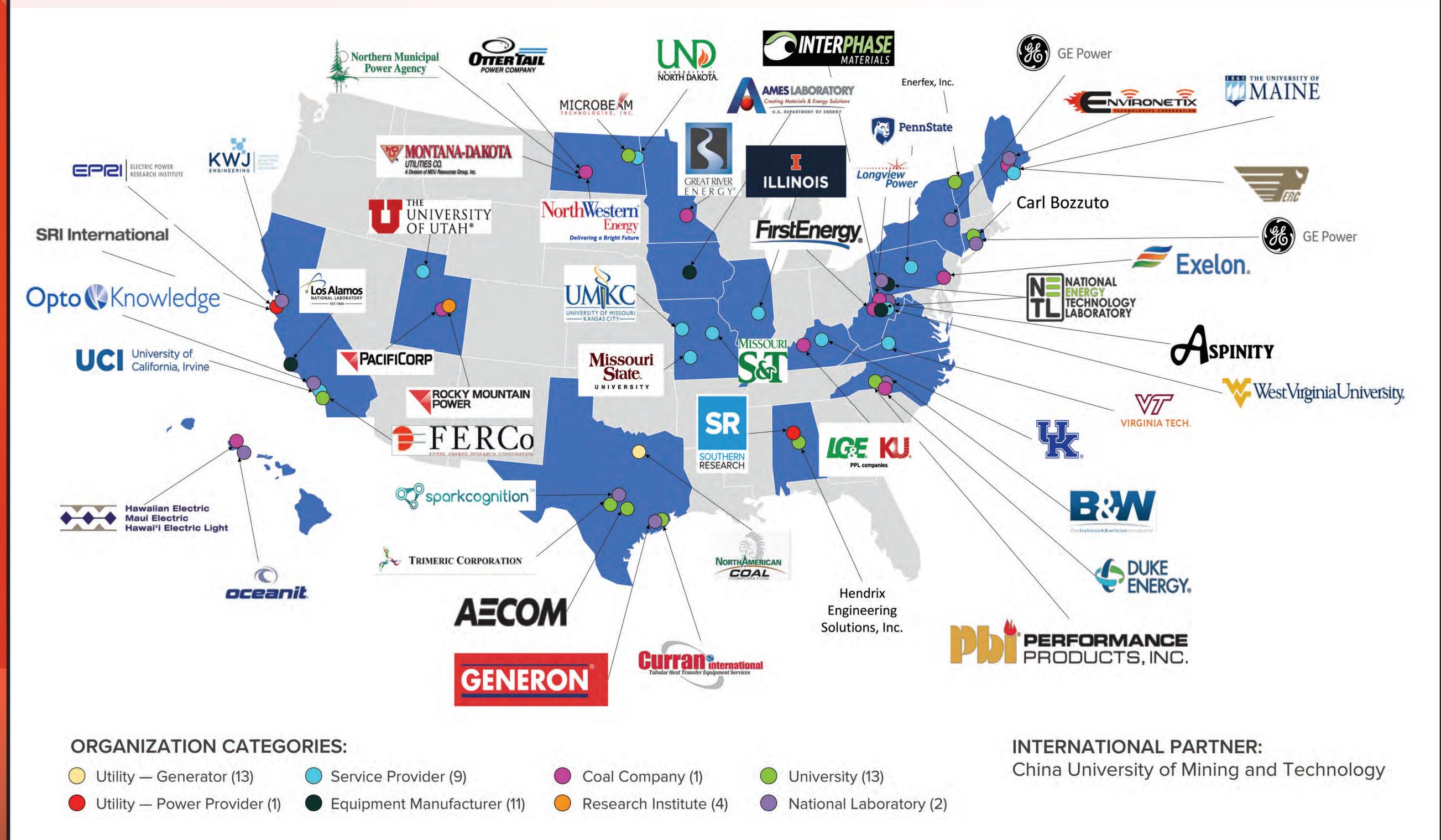
ACCOMPLISHMENTS

SESSION

GE POWER IS ENABLING LOW-LOAD OPERATION AT COAL PLANTS

- Developed sensor network to monitor and facilitate low-load operation of the pulverizer and combustor.
- Completed initial round of low-load pulverizer testing with promising results.
- The project has been **extended to include field testing** to take place at the Cross Generating Station in Pineville, SC.

EXISTING PLANTS R&D INITIATIVE PARTNERS



Improving the performance, reliability, and efficiency of the existing coal-fired fleet



