

## AUDITING YOUR FULL FLEET TO PINPOINT PARTS THAT REQUIRE INSPECTION



### The Situation

It has just been discovered that combustion liners previously installed on a unit prone to acoustic events have developed severe cracks and must be modified, per an existing inspection and repair procedure, as soon as possible. All combustion liners that have operated in this unit must be inspected and repaired as needed.

### The Client

A large power plant owner/operator who shares parts within the fleet of turbines they operate. They manage their parts information from a central location, however, the individual sites are responsible for maintenance and parts inventory.

### Results

SPS' ORAP® Parts-Trac™ system was implemented by this company. By using the provided reports in the system, all combustion liners that have been installed in this unit over its lifetime are identified by serial number in less than a minute, including their current location. This enabled the owner/operator to specifically contact each site with an affected combustion liner and inform them of the need to have an inspection and repair plan.



### About Strategic Power Systems, Inc.®

SPS' philosophy is Data First. Data is what we do. We are experts in the field of data collection, validation, analysis, and benchmarking of power plant performance across the various technologies. We provide key performance metrics or (KPIs), following industry standards, to power plant owners, operators, Original Equipment Manufacturers (OEMs) and other industry stakeholders through the Operational Reliability Analysis Program (ORAP®). This information allows them to make informed business decisions relating to the performance and operational readiness of their equipment. There is no system in the world that collects power plant data in such a comprehensive way as ORAP.

SPS has developed a family of product & service offerings that complement the benchmarking provided in ORAP, including a partnership with OSIsoft that allows customers to capture real-time process data through an OSIsoft PI System and send it to our ORAP 'apps'. One of these 'apps' automatically logs and/or calculates the current age of your equipment and associates these sometimes complex algorithms to your serialized parts.

Results Key:



1-Minimal Cost Savings



5-Significant Cost Savings



1-Minimal Safety Risk



5-Significant Safety Risk