

Technical Knowhow Helps Power Plant Improve Turbine Performance

Application:

A gas turbine air inlet at a Midwest Power Generation Plant.

Problem:

A Midwest power plant was struggling with a failing expansion joint. Cracks and tears close to the corners were causing a loss of air to the turbine during operation. This loss of air causes turbine efficiency related problems.

Solution:

Holz suggested replacing the existing fiberglass reinforced expansion joint with a new Aramid reinforced expansion joint. This reinforcement is stronger and denser than the fiberglass and will provide for a longer service life in this application.

The customer was happy about the performance improvements and plans on replacing the same expansion joint on the other turbines this year.

Before:



After:

