

Turbine Generator Inspection Services

Background

WesDyne International LLC, a wholly owned subsidiary of Westinghouse Electric Company LLC, is a provider of nondestructive examination (NDE) products and services to nuclear and fossil power plants around the world. WesDyne specializes in the application of NDE methods and delivery systems necessary to inspect primary components of a turbine generator.

Description

With a broad range of inspection capabilities from general NDE to specialized component inspections, WesDyne offers a full complement of inspection techniques, including conventional and phased array ultrasonic testing, dye penetrant, magnetic particle, visual, computed radiography and eddy current testing applications.

WesDyne has extensive experience performing general NDE and remote visual examinations of rotor bores, retaining rings and discs. These examinations typically employ conventional NDE methods, traditional delivery systems, and usually require some level of disassembly/reassembly of the component.

The specialty examinations employed by WesDyne involve more extensive NDE methods (e.g., phased array ultrasonic testing) and alternative delivery approaches, and can minimize or eliminate the disassembly/reassembly of the component. Phased array examinations include:

- Tangential entry blade attachments
- Axial entry blade attachments
- Inlet features
- Westinghouse-style generator tooth tops
- General Electric-style slot dovetails



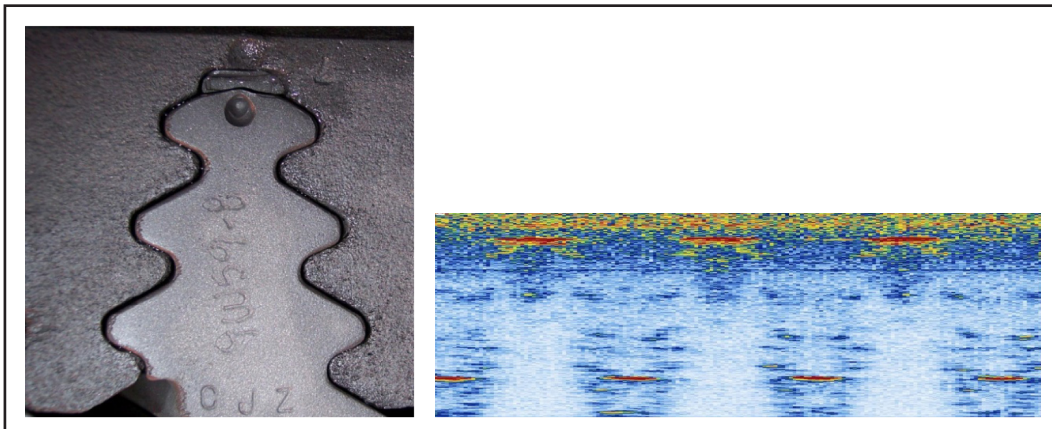
Automated disc inspection platform

Benefits

- Ability to inspect multiple original equipment manufacturer configurations
- Capacity to support both nuclear and non-nuclear inspections that have small or large outage scopes
- Flexible inspection techniques that minimize plant support requirements
- Ability to perform multiple inspections simultaneously or in conjunction with plant maintenance
- Availability of engineering assessment services to determine inspection intervals

Experience

WesDyne's full-time personnel have an average of more than 15 years of inspection experience. Its inspection portfolio includes more than 1,000 examined rotors and 1,500 discs. With inspections at more than 300 utilities worldwide, WesDyne's personnel have an in-depth knowledge of components and flaw trends.



Axial style blade attachments

Data scan for axial style blade attachments

Westinghouse Electric Company
1000 Westinghouse Drive
Cranberry Township, PA 16066

www.westinghousenuclear.com