

ST Max Steam Generator Inspection and Repair Data Management System

Background

The Westinghouse ST Max inspection management system is the latest version of software used for managing steam generator (SG) inspection and repair services.

Benefits

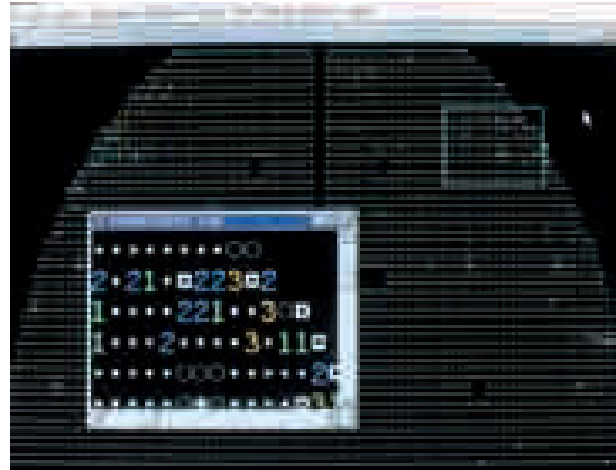
ST Max is a state-of-the-art management system that is fast, accurate and reliable, handling the advanced planning, inspection and reporting tasks required in today's inspection and repair environment.

A third-generation system, ST Max was designed by experienced industry data management experts and receives constant upgrades. The ST Max system is the result of a software evolution beginning with ST98 that evolved to ST2000. ST Max is the result of this evolution and knowledge gained from two previous generation systems, Tubin and Supertubin.

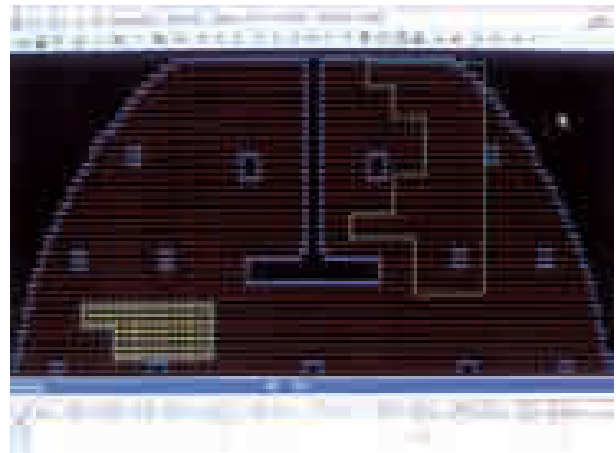
The design provides for as much automation as possible without sacrificing key quality checks, and in ST Max some final SG closeouts can be accomplished in as little as 20 minutes.

As a PC-based system, ST Max employs the Windows XP operating system for solid networking and multitasking. The system allows multi-user access to the steam generator databases during service performance, enabling customers to access the live database during production for status and ad hoc queries.

ST Max has now been enhanced to handle advanced tasks like inspection sample control, multiple robots per leg and source record identifier (SRID) technology. SRID allows the output of several key programs to serve as input to other programs on a mix-and-match basis so that the system can complete very complicated planning and reporting tasks.



This is the tubesheet map display. These numbers show anti-vibration bar wear.



Tubes are symbolically represented. Clicking on a symbol brings up analysis and test plan data.

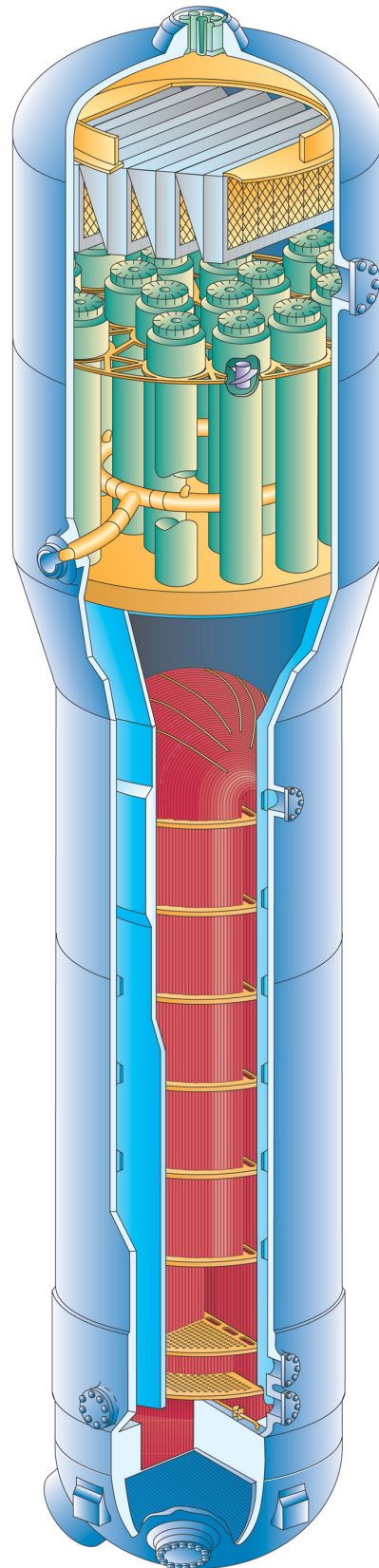
Benefits

Customers benefit from using ST Max because it can perform the following:

- Continually update tests acquired and analyzed
- Continually update Cal Board analysis status
- Automatically distribute results data to analysis workstations
- Automatically provide analyst performance feedback data to the analysts
- Utilize XP operating system for reliability and flexibility
- Efficiently and thoroughly check quality of all sitespecific analysis reports prior to loading into database
- Automatically check historical indications during entry process
- Generate advanced repair lists
- Batch entry of analyzed data
- Generate automated shift status reports
- Support ROSA™ and Pegasys™ robots
- Allow customer real-time access for job status and queries
- Export and import data to and from customer databases
- Integrate with ZETEC, Areva and other data management systems

Experience

Westinghouse has performed computerized SG inspection management since 1982.



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