SOAPP–REPO WorkStation Version 3.0 Released

Plant Design and Costing Software for Combined Cycle Repowering Projects

Palo Alto, California, May 5, 2005: EPRI announces the release of SOAPP-REPO WorkStation, Version 3.0. The SOAPP-REPO WorkStation integrates process design, costing, and financial analysis for combined cycle repowering of existing fossil steam plants, enabling users to quickly assess the viability of a repowering scenario on a site-specific basis. This interactive software product supports the analysis of repowering existing coal, oil or gas-fired boilers with combustion turbines and heat recovery steam generators, with the option to reuse the steam turbine and other balance-of-plant equipment. Based on user input, the SOAPP-REPO WorkStation configures the repowered plant, sizes and costs the new equipment, and performs detailed performance and financial analyses of the resulting conceptual design. Illustrated wizards guide decisions on condenser refurbishment, utilization of existing feedwater heaters, the capacity of the existing steam turbine, and selection of a combustion turbine model that best matches the existing steam turbine. For additional details and sample outputs, go to the SOAPP web site at http://www.soapp.com/soapp/repo.

New Features in Version 3.0 include:

- Operations and maintenance costing methodology has been improved to more realistically account for the effect of changing hours and starts on planned O&M costs. Outputs from the optional SOAPP-CT O&M Cost Estimator can be entered directly when a refined estimate is required.
- Performance and emission models derived from manufacturer-supplied data and equipment cost data from industry sources have been reviewed and updated as needed.
- Combustion turbine selection interface has been improved with additional fields including Gross Output at ISO conditions, Pressure Ratio, and notes regarding emissions and revisions, in addition to CT Manufacturer/Model Number.
- Capital cost models and commodity estimates have been updated, including all balance of plant equipment, based on recent data from actual projects, commodity indices, and market considerations, to reflect current market prices.

All SOAPP software products are designed for Microsoft Windows™. SOAPP-REPO operates under Windows 98, Windows ME, Windows NT, Windows 2000, and Windows XP.

EPRI and EPRI Solutions provide power generation technologies, products and services focused on providing clients with a competitive edge in a rapidly evolving energy industry. The SOAPP Team develops and markets the award-winning SOAPP family of commercial software products and consults with clients around the world to identify and evaluate business strategies, evaluate new power generation and repowering alternatives, and provide risk mitigation for applying advanced competitive technologies.

The award-winning SOAPP® products were originally developed by Sargent & Lundy of Chicago, IL, and incorporate technology developed for the electric power industry under the sponsorship of the Electric Power Research Institute (EPRI), based in Palo Alto, CA. All SOAPP products are now developed, supported, and maintained by the SOAPP Team including EPRI and EPRI Solutions.

For more information on SOAPP-REPO Version 3.0, please contact us by phone at 1.650.855.2666 or by e-mail at info@soapp.com.