New Technology to Install Boiler Tube Sacrificial Shields Creates an Easy and Time Savings Installation

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Denver, CO (PRWEB) May 19, 2011 -- BAND-IT IDEX Inc., of Denver, Colorado, acknowledged as the world’s leader in engineered band clamping and attachment systems, has introduced a new technology in the installation of sacrificial shields in boiler plants that allows for an easier and faster installation, when compared to a welded strap or seam weld. The new Shield-Lok™ system also eliminates the cracking and breaking of welds due to thermal loads.

The new Shield-Lok system consists of specifically designed clamps and installation tool. The Shield-Lok clamp has a unique guard design and is comprised of 310 and 301 stainless steels that have a greater resistance to heat, corrosion and abrasion. The SL4000™ tool is specifically designed for this application, for quick and easy installation of the clamp in very tight boiler tube configurations.

Installation time is reduced by 60% to 80%. In initial applications using the Shield-Lok system, it has been found that the time to install the sacrificial shields has been reduced by 60 to 80% compared to the traditional welding solution. This new system does not require lengthy set-up of welding equipment while use of the clamp and tool is a simple operation. Once access is granted to the boiler shields, installation can be completed within minutes allowing for quick repairs during forced outages.

Reduction in labor costs. The Shield-Lok system allows the plant to better utilize their current labor force. The skill level to install sacrificial shields is lowered with the ease of installation using the clamp and tool. This enables the utilization of highly skilled boiler makers in the areas of the plant during overhaul where they are needed most.

Eliminate sacrificial shield failures. In initial engineering findings, the most common reason that sacrificial shields fail is from cracking of a weld that is installed either through direct welding of the shield to the tube or via a weld strap. The Shield-Lok clamp eliminates this failure due to its stainless steel composition and tighter installation which yields a better thermal transfer between the shield and the tube.

For more information on the new Shield-Lok system or the BAND-IT IDEX complete product line of engineered band clamping and attachment systems, call Matthew Bush, Director -Global New Engineered Applications at (303)406-8045, or email at mbush(at)idexcorp(dot)com.

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