

Press Release

September 3, 2009



HRST, Inc. Awarded a Patent on the HRST ShockMaster™ Economizer

Eden Prairie, Minnesota, USA – HRST, Inc. was recently awarded a patent on its HRST ShockMaster™ Economizer. This revolutionary design dramatically improves economizer reliability and positions combined cycle plants to save hundreds of thousands of dollars annually on costly repairs.

Various designs of economizers have been in existence for over 100 years. The basic problem with traditional HRSG economizers is that tube leaks are often caused by excessive differential temperatures between adjacent tubes. As a result of this phenomenon, traditional HRSG economizers can under-perform and suffer fatigue cracking. Continuous HRSG cycling increases the risk of these problems occurring.

HRST, Inc. worked with Ken MacKenzie, Maintenance Superintendent, City of Medicine Hat, Alberta, Canada to install two HRST ShockMaster™ Economizers in 2007 and another in 2008. “Economizer leaks have been a recurring problem for us over the years,” MacKenzie explains directly, “leading to many costly repairs and a significant amount of downtime. Since we replaced our old economizers with the HRST ShockMaster™ Economizers from HRST, Inc., we have not experienced a single leak. In fact, we are so impressed with the HRST ShockMaster™ Economizer technology, we have gone one step further and specified this product to be installed in the construction of our next plant currently under way.”

HRST, Inc. company president Robert Krowech is confident in his firm’s product development success. “We are very excited about the HRST ShockMaster™ Economizer technology. We are convinced that the subtle design changes we made in the ShockMaster™ Economizer will truly revolutionize the way combined cycle plants maintain and service traditional HRSG economizers. With a price tag that can be recouped within 5 – 6 years and the elimination of both standard repair costs and downtime, we believe the entire energy industry will quickly adopt—and aggressively demand—this exciting solution.”

For more information, HRST, Inc. can be reached at 6557 City West Parkway, Eden Prairie, MN 55344 USA Telephone: 952-833-1427 Fax: 952-833-1429 Website: www.hrstinc.com.



ShockMaster Built for a new HRSG



ShockMaster Built For retrofit in an existing HRSG