

## **Industrial Steam Systems Assessment Workshop**

*Date: 25th-26<sup>th</sup> -27<sup>th</sup> March 2012 at GCCI, Ahmedabad*

This industrial steam systems assessment workshop is designed to provide training in the use of a U.S Department of Energy (US DOE) Steam Best Practices Tools Suite that is designed to improve energy and save energy in industrial steam systems.

Industrial steam systems are complex with many components, which interact and influence the operation of the entire system. This training will emphasize a global systems-based investigation approach to analyzing steam systems. This global approach investigates on the global system. The Software tools associated with this training use a systems approach to understand the true impacts of individual components on the steam system.

This workshop is designed to offer insights into steam, the basics of heat generation through combustion of commonly used fuels and performing mass, energy and economic balances for steam systems. Additional topics include heat transfer, optimization of steam systems, combined heat and power and controls to maximize energy efficiency and the reduction of combustion generated emissions. The workshop will focus on steam systems with a 1-day walk through and a preliminary high-level assessment at a local manufacturing industrial plant.

The course is designed to train individuals in the fundamentals of steam system energy management and improvement opportunity investigation. This will include the use of the USDOE Steam Best Practices Tools, available at no cost to users. The course will also validate the ability of each participant will have the opportunity to visit an industrial plant, collect data from in-situ or portable instruments, develop and quantify one or two steam system energy and/or cost savings recommendations using the US DOE Steam tools. Each Participant will also present these projects to the entire class in a brief and simple format. Upon successful completion of this 2-day classroom training and 1-day field training, the participants will be provided with a Certificate of Completion by the USDOE.

### **Workshop Steam System Attendance Criteria**

Faculty from Mechanical, Chemical, Electrical, Materials branch.