

The Need of Industrial Energy Audits

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has PhD in Mechanical Engineering from Case Western Reserve University, Cleveland, OH, USA in 1998. During his PhD he conducted research on dynamic fracture of polymers and MMCs. Following his PhD he worked for 2 years in the US industry. His work related to design of Industrial Burners. Following his industrial experience, he has over 10 years of teaching and research experience at NWFP University of Engineering and Technology at Peshawar, Pakistan. He was awarded the prestigious Fulbright postdoctoral fellowship in 2008. Following his post doc he has conducted energy audits in various industries in Pakistan and Saudi Arabia. He has also received his certification for Certified Energy Manager (Pakistan) in 2012. He has numerous publications on industrial heat recuperation. Currently he is working as Professor of Mechanical Engineering at Qassim University and is Director of Energy Assessment Lab.



Workshop abstract

The domestic consumption of oil in Saudi Arabia is growing at an alarming rate. At this rate there are fears that the domestic demand for oil might outstrip the supply. In this case there will be no oil left for export. There is a dire need to control and reduce the domestic consumption of energy and hence oil. The three major sectors consuming energy are the industrial, transport and buildings. We cannot improve what we cannot measure. Industrial energy audits are the first step for scientific measurement of energy consumed.

The current seminar gives a brief description of the need of industrial energy audits and how they are conducted. At the end of each audit the industry gets a complete energy audit report, suggesting energy conservation measures. Following the suggested recommendations can lead to 10-30 % savings for the industry on their energy bill.



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