

Barriers for Energy Efficiency

Title:

New technology application

Category:

On the fly adjustment of technologies and equipment

Summary:

The application of new technology in an existing system requires thorough examination into its different aspects. Many technologies fail as they are not suitable to the application.

Back ground:

While applying the new technology in to the exiting system the following should be evaluated in detail

- Does the concept or device make sense
- Do you need it
- Does it come from a reliable source
- Is it worthwhile if it saves half as much as it claimed
- Does it have other advantages that it would make worth while
- What are the additional cost components such as manpower, maintenance, inventory
- What is technical life of the equipment
- What type of metering and monitoring is required
- Whether the equipment is redesigned to suit the local conditions
- What type of the services are provided by the supplier
- What is the lead time between failures
- Reliability of the equipment
- Response to the change in the process parameters

Many of the new technologies entering into the market fail due to either one or more reasons mentioned above. There are some progressive companies who want to be trendsetters in the industry particularly in the organized sectors. These units examine the latest technologies thoroughly before the implementation.

Lesson learnt:

There are plenty of the new equipment or new technologies available in the market and many of them resort to marketing gimmicks to penetrate the market. The function of the auditor or implementor is to evaluate these equipment thoroughly before recommending their use.