



**Total Productive Maintenance**

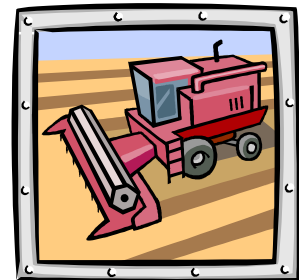


**Two days workshop on  
Breakthrough Thinking for Zero Failures  
& Cost Reduction through Maintenance**

**21-22 January 2009: New Delhi**



..... a Workshop  
to understand and implement TPM  
for excellent results



Organised by  
TPM Club India  
CII Institute of Quality  
Bharat Nagara, 2nd Stage, Magadi Main Road  
Vishwaneedam Post, Bangalore 500 091  
Tel : 080 – 65667804/23289391; Fax: 080-23289388/23580314



2<sup>nd</sup> December 2008

*Dear Member,*

**Two days workshop on  
Breakthrough Thinking for Zero Failures  
& Cost Reduction through Maintenance  
21-22 January 2009: New Delhi**

We have by now exhausted all traditional means and methods to achieve zero breakdowns, zero failures and reduce costs in our manufacturing industries through present maintenance systems and thinking.

Why? This is because there has been no breakthrough thinking in avoiding failures, reducing operational costs and avoiding unnecessary repeat maintenance in the last sixty to seventy years of our evolution in industrial maintenance. This breakthrough thinking is different to the traditional thinking and methods in three ways.

First, the thinking is holistic in approach. It looks at problems from the system level rather than look at them individually and trying to classify them into different groups like quality failures, component failures and performance failures and analyze them individually on a case to case basis. The idea is to address all problems (which are actually symptoms) simultaneously with minimum time and effort.

Second, it treats different machines and systems as unique individuals and does not impose on the machines and systems any pre-determined thinking, models, processes or methods with the hope of getting the best out of the machines. Rather it tries to treat every system or machine according to its own merit, special needs and uniqueness and evolve the right and simple methods to achieve and sustain zero failure state and improve product quality and process effectiveness at the same time.

Third and probably the most important part of this breakthrough thinking is that it tries to find the few fundamental inherent system imperfections, which are the fundamental root causes of all problems in machines, and then find innovative solutions to eliminate such imperfections once and for all so that all failures are eliminated simultaneously in one stroke. It is therefore a one-time effort that gives an organisation benefits for years to come.

What is the result of such thinking? By applying this breakthrough thinking for the last ten years, many top class Indian industries have not only been able to achieve and sustain zero failure state and world class maintenance systems but also improved equipment reliability, availability and performance in terms of quality, productivity, wastage reduction, energy optimization, safety and profitability in the shortest possible time with one time efforts and minimum use of resources or changes to their existing maintenance systems. In a way, maintenance engineering and its management has been redefined through this breakthrough thinking.

In this workshop, participants would learn the methods that concentrate on eliminating the fundamental root causes (system imperfections) so as to reduce or avoid the need to continue the repairs or repeat maintenance and improve overall performance of manufacturing system.

**Special Note:**

This breakthrough thinking process would be demonstrated through a number of live case studies as consistently applied to some Indian industries (both for process and engineering industries) during the last decade.

**Faculty: Mr Dibyendu De, Design Innovator -- Plant Reliability**

**The Outline of the course:**

**Day 1.**

- Introduction to the course and faculty & Pre-test
- Understanding the Equipment Behaviour and Failures through System Thinking
- The concept of Design Thinking illustrated through cases and video
- The Breakthrough Thinking process – Rapid Innovation Process (System + Design Thinking + Principles)
- Few cases to illustrate the Rapid Innovation process
- Quizzes For Personal Mastery – redefining maintenance engineering

**Day 2.**

- Applying Rapid Innovation process to Process Plants, illustrated with cases
- Applying Rapid Innovation process to Engineering Plants, like FMCG, illustrated with cases
- Quizzes for Personal Mastery
- Personal Mastery Plan – developing the personal tool kit to achieve Success (an initial Tool kit would be provided on request)
- Discussions, Post Tests, Support Systems and Conclusion

**Programme Time: 9.30 AM to 5.00 PM (Day 1) 10 AM to 4.30 PM (Day 2)**

**Target Audience:**

Maintenance Managers & Engineers, Manufacturing & Engineering Heads of both Process and Engineering Industries

**Delegate Fee and Participation**

To defray the administrative expenses, the following delegate fee is being charged per delegate:

<b>CII Members / TPM Club Members</b>	<b>Non-Members</b>
<b>SSI: Rs.5000/- + 12.36% Service Tax= Rs.5618/-</b>	<b>SSI: Rs.5500/- + 12.36% Service Tax = Rs.6180/-</b>
<b>Large &amp; Medium: Rs.7000/- + 12.36% Service Tax=Rs.7865/-</b>	<b>Large &amp; Medium: Rs.8000/- + 12.36% Service Tax=Rs.8989/-</b>

We request you to please take advantage of this unique opportunity by participating/ nominating suitable senior officials from your organisation to attend this seminar. You may please confirm your participation through the attached '**Registration -Form**'.

Looking forward to your Nominations.

Regards,

Yours sincerely,



Rajesh Parim



## REGISTRATION FORM

**Please Email / fax to:**

**Mr Ranjit Bhandari / Alok Rawat**

Confederation of Indian Industry

Plot No. 249 F, Sector 18, Udyog Vihar, Phase IV, Gurgaon – 122 015(Haryana)

Ph: 0124-4014074(D) /4014060-7, Fax: 0124-4014069/80

Email: [ranjit.bhandari@ciionline.org](mailto:ranjit.bhandari@ciionline.org) / [alok.rawat@ciionline.org](mailto:alok.rawat@ciionline.org)

- 3 or more delegates from a single company would be entitled for 10% discount on the delegate fee
- Please send the delegate fee through cheque or DD drawn in favour of **CII-Institute of Quality” payable at Bangalore**, couriered to Gurgaon or hand it over at the registration counter.
- Participation fee is non-refundable; change in nomination is acceptable.
- Delegate Fee:

CII Members / TPM Club Members	Non-Members
SSI: Rs.5000/- + 12.36% Service Tax= Rs.5618/-	SSI: Rs.5500/- + 12.36% Service Tax = Rs.6180/-
Large & Medium: Rs.7000/- + 12.36% Service Tax=Rs.7865/-	Large & Medium: Rs.8000/- + 12.36% Service Tax=Rs.8989/-

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Breakthrough Thinking in Achieving Zero Failure Maintenance  
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We nominate the following persons to attend

Sl. No.	Name	Designation
01.	.....	.....
02.	.....	.....
03.	.....	.....
04.	.....	.....
05.	.....	.....

Enclosed please find a Cheque / Demand Draft No..... on ..... (Bank) dated. .... for Rs..... drawn in favour of **“CII-Institute of Quality” payable at Bangalore** towards the delegate(s) fee and courier to the above address.

Nominator Name .....

Designation: .....

Company.....

Address:.....

.....

Tel No.....

Fax No.....

E- Mail.....