



Is Your Maintenance Organization Cost Effective?

- Do you know how good you are?*
- Do you know how good you could become?*
- Do you have a plan to close the gap between how good you are and how good you could become?*

*Reliability & Maintenance Audits,
Benchmarking & Improvement Plans*

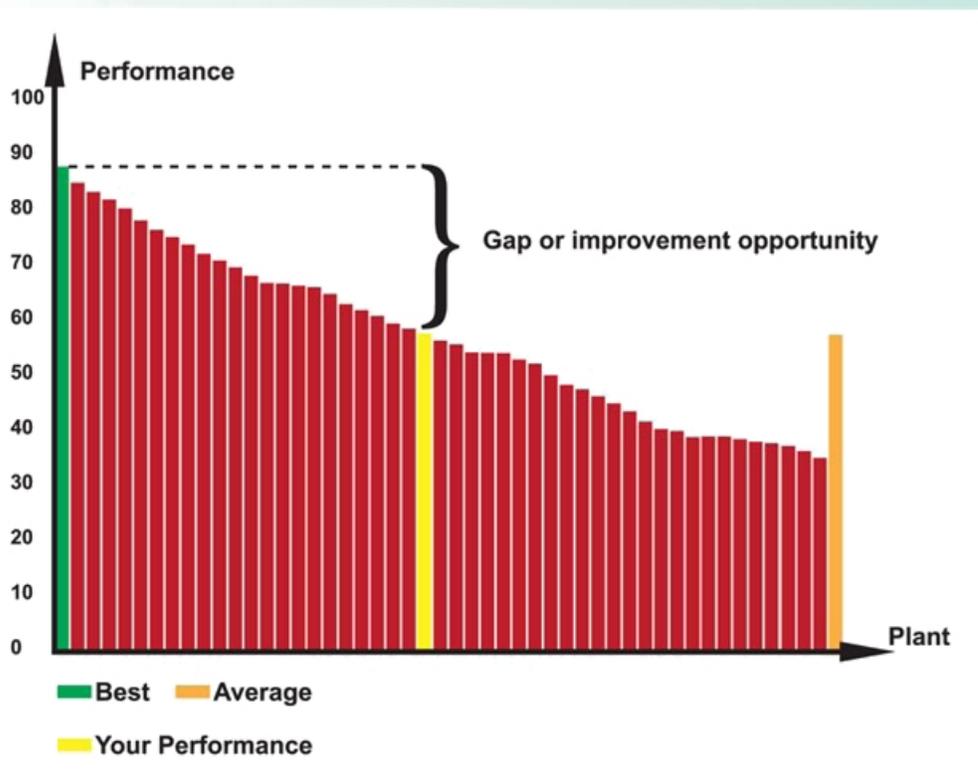
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Please call **800-849-2041** or **919-847-8764** for references, to schedule a visit, or to request a proposal.



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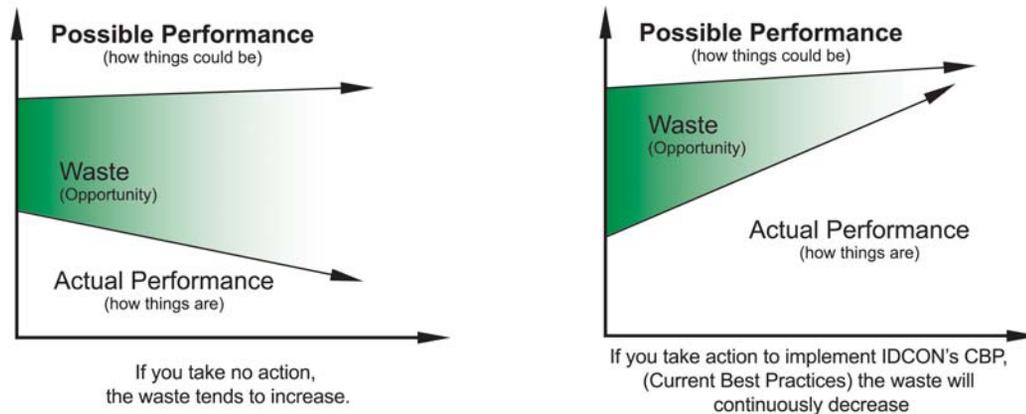
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Sign up for our IDCON Maintenance Management Newsletter at www.idcon.com/newsletter.html

Achieve World Class Reliability and Maintenance Through Implementation of Best Reliability and Maintenance Practices

In many organizations the waste in operations and maintenance systems is huge. Here, waste is defined as the difference between how things could be and how things are. The waste in most maintenance organizations is typically 20-60%. In addition, poor maintenance productivity results in increased safety incidents and 5-20% waste in quality and quantity production throughput which leads to unreliable deliveries and wasteful manufacturing. Other waste from poor maintenance includes excessive energy and spare parts consumption. This waste often represents much higher costs than the maintenance cost itself.



Possible Performance

Agreeing upon, and committing to, realistic goals is achieved through educating your organization in what is possible to achieve, and changing paradigms so that improvements can be implemented. IDCON can help your organization enhance the way operations, maintenance, stores and engineering must work together in a partnership to generate quality and quantity production throughput through world class maintenance.



Actual Performance

Key Indicators

By using some of the following key indicators, an organizations performance can be compared to world class performance. The difference in performance represents a realistic opportunity to improve.

Allocation of Time and Use of Resources

Planned and Scheduled Work, Continuous Improvement and Break-in Work

Overall Manufacturing Reliability and Throughput

Quality, Time, and Speed

Storeroom Turnover, Service Factor and Inventory Record Accuracy

The Combined Trends of:

Overtime, Contractor Hours and Backlog

Mean Time Between Corrective Maintenance of Select Components

Costs per Prime Quality Unit Manufactured

Maintenance Productivity

Maintenance Competitiveness

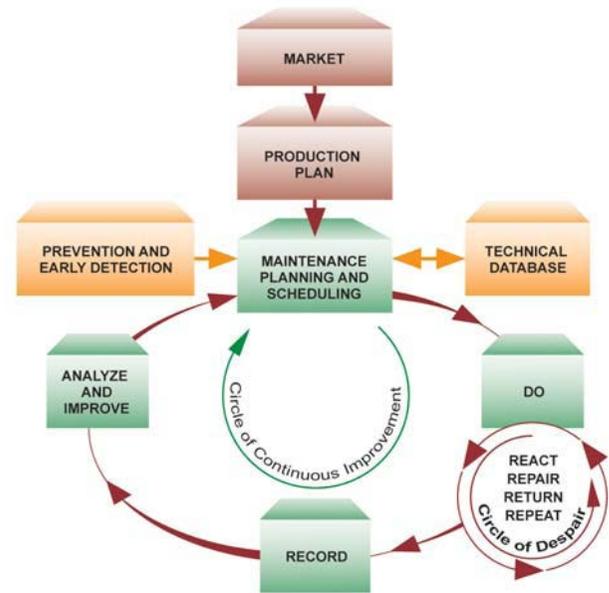
Using our database we can also compare your performance with others

Trend of Average Vibration Level

Analyses of the Maintenance Processes

IDCON's approach to evaluating actual maintenance performance is closely linked to modern management philosophies. In short, we evaluate waste, or improvement opportunities, in the following logical steps of maintenance work:

1. How well do you prevent problems from occurring?
2. How well do you detect, identify and prioritize maintenance work early so you can plan and schedule corrective maintenance?
3. How well do you plan?
4. How well do you schedule?
5. Do you have an accurate technical database including spare parts records to support planning?
6. How well do you execute?
7. Does your record keeping support continuous improvement and comply with OSHA/MSHA and EPA requirements?
8. Do you analyze and eliminate Root Causes of problems?
9. Do you continuously improve?



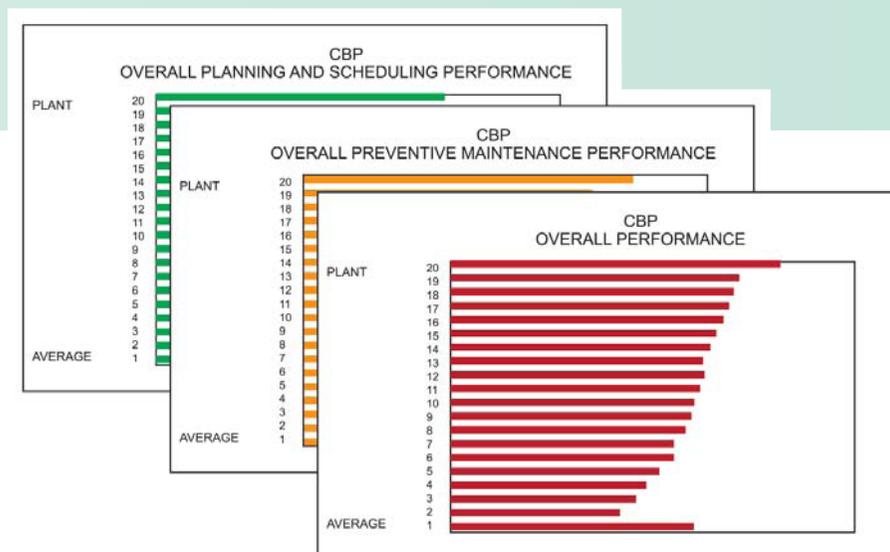
Results Oriented Reliability and Maintenance™ Cycle

When improvements are identified and implemented, productivity will continuously increase. This cycle continues to drive your organization towards maximum efficiency and productivity.

CBP Evaluation, Education and Benchmarking

CBP is an acronym for Current Best Practices for reliability and maintenance. IDCON has developed this methodology and helped many companies discover their improvement opportunities. The major part of our support is educating your organization in understanding and agreeing to the same philosophy and goals. After establishing and agreeing upon an organizations performance, the next logical step is to develop a road map outlining the way to reach your goals.

The complete evaluation includes about 250 well identified and documented elements.



Improvement Plan

The success of any improvement initiative largely depends on employees' commitment and momentum to apply agreed upon improvements. To ensure success we recommend presenting our findings in a workshop for your improvement team, instead of only the traditional report. The objective of the workshop approach is to immediately create a ready-to-go, realistic plan with the input from, and acceptance of, each improvement team member. A balance of short and long term improvement goals provides checkpoints to ensure the educational success of the program. Maintenance goals are set for 3, 6, and 12 month periods; regular follow-up is then instituted. These checkpoints along the route of improvements tell employees where they are and where they are going.

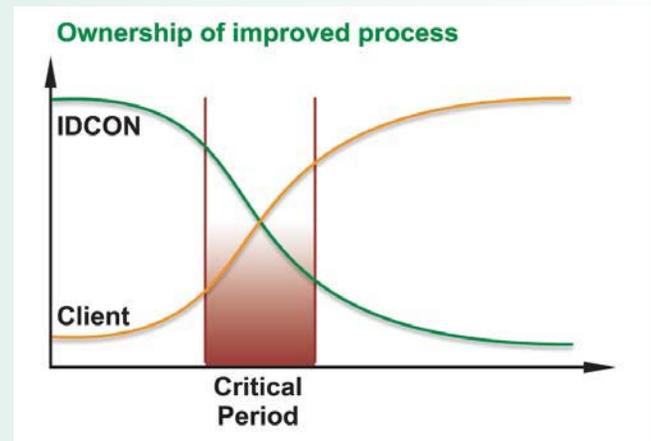
“Most organizations are not short of people; they simply have too many people busy doing the wrong things.”

About IDCON

IDCON is a highly specialized management consulting company working with manufacturing and process industries to maximize productivity through improvement in maintenance and operations practices. Since its inception in Sweden in 1972 and in the US in 1985, IDCON has provided its clients with a comprehensive range of consulting, diagnostic and educational services based on the philosophy of Results Oriented Reliability and Maintenance (RORM). The RORM philosophy was developed by IDCON's founder, Christer Idhammar, following a quarter century of world-wide experience as a crafts person, manager, engineer, educator, consultant, philosopher and company leader.

IDCON RESULTS: When we begin an improvement initiative, client acceptance and involvement could sometimes be low. Our role is to educate and train your organization and act as catalysts for improvements. Our objective is to establish the program and guide your company through the critical transition period in a timely, efficient manner. Consultant involvement decreases proportionally as your employees take ownership of improvements and assume responsibility for them.

IDCON's approach is equally suitable to process and manufacturing industries and has been applied in pulp and paper, food, mining, chemical, automotive, steel, wood industries and many others in hundreds of plants on a world wide basis.



What more do we do?

Most of IDCON's work is coaching, On-the-Job-Training (OJT) and implementation of improved:

- Work Management
- Planning and Scheduling
- Preventive Maintenance Optimization
- Preventive Maintenance/Operator Essential Care and Condition Monitoring
- Reliability Based Spare Parts Management
- Root Cause Problem Elimination

We also organize open training courses and conferences on a world wide arena.



Reliability and Maintenance Management Training for the manufacturing and process industry

Best Practice Seminars Offered:

Results Oriented Reliability and Maintenance Management
Preventive Maintenance/Operator Essential Care and Condition Monitoring
Planning and Scheduling of Maintenance
Root Cause Problem Elimination Training™
Reliability & Maintenance Management

- Learn the details in work identification, prioritization, backlog, planning, scheduling, execution, and recording
- Practice how to set up a cost effective preventive maintenance program
- Learn practical root cause problem elimination and troubleshooting
- Understand the relationship between materials management, maintenance, and improved reliability
- Estimate financial return from your investment in better Reliability and Maintenance practices
- Learn how to develop a manufacturing reliability and maintenance strategy
- Learn how to establish a partnership work system between Operations, Maintenance, Engineering and Stores
- Learn what Key Performance Indicators to use and much more...

For dates and locations go to www.idcon.com
For on-site training please call 800-849-2041



IDCON Reliability & Maintenance Books

IDCON is a management consulting company that specializes in helping industry maximize profits by improving reliability and maintenance practices.

The eight books are a unique collection developed by consultants who have spent their life working in industry. The books focus on practical hands-on tips and techniques.

Titles Available:

- > **Condition Monitoring Standards Volumes 1, 2, 3 & 4**
(also available as a licensed PDF – call for pricing)
- > **Preventive Maintenance/ Essential Care and Condition Monitoring**
- > **Results Oriented Reliability and Maintenance Management**
- > **Maintenance Planning and Scheduling**
(also available on Amazon or iTunes as an ebook)
- > **Reliability Based Spare Parts and Materials Management Book**



To order online go to www.shop-idcon.com or call us at 800-849-2041