

Date: 10th November, 2011

If Cost reduction, Quality improvement and Customer retention are your concerns, please block 2nd December 2011, in your diary



Dear Sir,

There is a constant pressure from customers especially OEMs, to cut prices and improve quality, which necessitates that the manufacturing processes are monitored in real time.

Rejection and rework are some of the major contributors to the cost of manufacturing. To minimize cost of rejection and rework it is essential to:

- Detect defects at the stage of occurrence so as to avoid addition of further **Cost on Rejection and Rework**.
- Provide forewarning of the possibility of the occurrence of defects so as to take **Proactive Action** to avoid rejection and rework.
- Identify **Root Causes** of rejection and eliminate them.

Our '**Process Quality Management System**' (**Pro-QMS**) helps to achieve the above objectives and hence provides nearly 100% return on investment. Pro-QMS collects data on real time basis from quality instruments and fixtures, instantly analyses the same and continuously displays the results in the form of Statistical Process Control charts to take corrective as well as preventive actions. This results in minimization of rejection & rework. The quality data thus collected provides an excellent data repository for analysis to find root causes of defects. Pro-QMS is manned by production operators thereby making them an integral part of the quality improvement movement in the organization.

Pro-QMS is currently in operation with Tata Motors (Passenger Car Division) Pune, Spicer India (Chakan & Jodalli), Helvoet Technology (Pune), Amtek Auto Group (Pune & Gurgaon), Badve Autocomp (Chakan), Vanaz Engineers (Pune), Rane Engine Valves Ltd. (Chennai), Greaves Cotton Limited (Ranipet), Delphi TVS (Chennai), Sundaram Clayton (Chennai), Brakes India (Chennai), Forge Pro (Bangalore), Rexroth Bosch (Bangalore) and many more.

Overall Equipment Effectiveness (OEE)

The 'Overall Equipment Effectiveness' (OEE) is an effective tool to measure and improve performance of the production equipment (in fact TPM mandates the use of this measure).

OEE has been found to be very effective on account of the following:

- **OEE** not only measure inefficiencies in the Manufacturing process, but also groups them in three categories (namely Availability, Performance & Quality) to have better understanding of the manufacturing process.
- **OEE** is a metrics that not only points to where and how the manufacturing process can be improved but also provides an excellent gauge for measuring results of the improvement project.
- **OEE** provides means to measure productivity of the production machines that can be used for measuring the outcome of productivity improvement initiatives. After all 'what cannot be measured cannot be improved'.

Given below is a partial list of the common improvement areas/concerns, that many manufacturing companies have successfully addressed using **OEE**:

- Reducing production process Bottlenecks (for the Increased Throughput)
- Reducing Machine Setup Time
- Improving Machine Reliability
- Maximizing Optimal Run Rates and Capacity
- Eliminating Down Time

Putting this tool in place can be very time consuming and cumbersome. **DSS** has designed a Software system called the **Loss Monitoring & OEE** to help with this process. The System allows the whole plant personnel (from the machine operator to the production manager to the plant manager) to be involved in the process of measuring **OEE** and thereafter collectively working towards finding and implementing solutions for improvement.

With a focus on IT related products that enhance managerial effectiveness, **DSS Systems & Software Technologies Ltd** was founded in 1976, in Pune. **With** an ISO 9001:2008 certification (by DNV), **DSS** is a quality consulting and software company and have been in the field of development of world class Software products for several years now.. As such, we believe that by introducing **Pro-QMS** backed up by the training capabilities of DSS, we would be able to assist your organization in the journey to implement Quality Initiatives in pursuit of being a “world class” organization.

Our customers are spread across India, Arabian Gulf, UK, USA, Australia and Africa. To know more about DSS, please visit our website www.dssinfotech.com

To know more about ProQMS and OEE and how you can implement it in your organization, we invite you to be our guest at a **Seminar in Pune** as per the following details:

Day & Date:

Friday 2nd December 2011

Venue:

Hotel Kalasagar

P-4 MIDC, Kasarwadi

Pune 411034

Tel: +91 20 27112461/62/63/64

<u>Particulars</u>	<u>Time</u>
Registration	3.30 PM – 4.00 PM
Presentation & Demonstration of Pro-QMS	4.00 PM - 5.30 PM
High – Tea	5.30 PM
OEE Presentation	5.45 PM – 6.30 PM

We request you to please personally attend this seminar together with your senior colleagues and we assure you that it will be worth the investment of your time.

Thanks & regards,

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Sr Manager – Business Development

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Note: Kindly fax / email us the enclosed Confirmation Sheet, duly filled in.