



Automotive Industry Development Centre

FOCUSED IMPROVEMENT WORKSHOP: Part 1

AGENDA

Topic:	Overall Equipment Effectiveness (OEE)
Objectives:	6 Big Losses vs OEE, Calculating OEE and Problem Solving Tools
Date/Time/Location:	7 th May 2013, CRH Training Centre 11:00am to 13:15pm
Duration:	2hrs 15min
Program Coordinator:	Siya Bozo

Topic Background

The objective of Total Productive Maintenance (TPM) is to increase equipment effectiveness so that the equipment is operated to its full productive potential & maintained at that level.

To effectively improve the effectiveness of the equipment, a measurement tool is required to thoroughly measure all the factors that impact plant KPI's. This tool is OEE (Overall Equipment Effectiveness).

OEE is a crucial measure in TPM that shows you how well your equipment is performing. It links 3 metrics into one percentage which is the time the machine is actually running known as availability; the quantity of products the machine is producing known as performance & the quality of good output known as quality.

Outcomes:

1. Have a thorough understanding of the factors and of OEE measurement process for a range of processes
2. Be better equipped to determine your Plant OEE process
3. Have a firm understanding of the necessary OEE Development Framework & how to avoid common pitfalls
4. Know the key success factors & potential inhibitors for design, implementation & sustaining the OEE measurement process



Automotive Industry Development Centre

Agenda

11:00am – 12:00pm

	<u>Topic</u>	<u>Facilitator</u>	<u>Duration</u>
1.	Opening Address		
	a. Theoretical Training on OEE	R. Vermuelen	15 min.
	b. Loss Analysis: 6 Big Losses vs OEE	S. Bozo	15 min.
	c. OEE Simulation Game	S. Bozo	15 min.
	d. Change Over: SMED	K. Naidoo	15 min.
			Total Duration: <u>60 min.</u>

12:00pm – 12:30pm

2.	Shop Floor Activity: Change Over		K. Naidoo
	a. Walk to Machine	All	5 min.
	b. Show issues and problems	S. Bozo	5 min.
	c. Explain Equipment & Part	S. Bozo	10 min
	d. Walk back to training centre	All	5 min.

12:30pm – 13:15pm

3. Problem Solving Tools



Automotive Industry Development Centre

a. Ishikawa	S. Bozo	5 min.
b. Cause and Effect	K. Naidoo	10 min.
c. FMEA	R. Vermuelen	15 min.
4. Closing and Issuing of Certificate of Completion		15 min.