

## Case Study Lean Manufacturing

# Just In Time Helps ABB Power Ahead

*"The results have been amazing. We are producing as many units on one shift as we did on two, 10 units per shift, with less need for agency employees and in 60% less space."*

**H H Elayady**, Production Manager, ABB KSA

*"...has exceeded all expectations!"*

**M A Samkar**, President, ABB KSA Contracting Company



### Problem

ABB Saudi Arabia – leading manufacturer of power and automation technologies had a high cost of quality due to their processes. This included batch manufacture and parts shortages.

### Solution

EMS trained the senior executive team and country management. The techniques applied included: the concept of TAKT time, Pool Systems (Kanban) and Standard Operations with working structures. This was achieved by Lean Simulation and VSM.

### Results

This generated an opportunity to move from 14 shifts to 10 shifts production a week. New working structures allow the removal of 10 US\$ of working capital. Following on from this project EMS has been invited to roll out the programme across the company's other sites.

### About the Programme

**Lean Manufacturing** is about creating products using only the absolute minimum of resources and therefore being able to offer customers value for their money whilst maintaining business profitability. It is a process you chose to apply to few or all your processes. EMS provides the techniques and knowledge of how to introduce and facilitate it at your particular site.

**For more information please call 0117 966 3516**

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EMS LTD, Windsor House, Greville Road, Bristol BS3 1LL



# EMS

*Manufacturing World Class Performance*

## Our Services

### Consultancy - Lean Manufacturing

Lean Masterclass  
Lean Diagnostic  
Lean Management Awareness Workshop  
Change-over Time Reduction (SMED)  
Workplace Organisation (5C)  
Value Stream Mapping  
Root Cause Analysis Workshop (RCA)  
Performance Measurement

### Training Courses - Lean Manufacturing

Value Stream Mapping - 3 Days  
Lean Practitioner's Workshop - 5 Days

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### Consultancy - World Class Maintenance

Reliability Centred Maintenance (RCM)  
Maintenance Auditing (The EMS Audit)  
Maintenance Planning Masterclass  
Root Cause Analysis Workshop (RCA)  
Critical Spares Analysis Workshop (CSA)  
Inventory Management Masterclass  
Conducting Maintenance Audits  
Maintenance Best Practice

### Training Courses - World Class Maintenance

Reliability Centred Maintenance  
(RCM) - 3 Days  
Reliability Centred Maintenance  
Facilitation Skills (RCMF)- 3 Days  
Root Cause Analysis (RCA) - 2 Days  
Critical Spares Analysis (CSA) - 2 Days  
Reliability by Design (RByD) - 2 Days



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