



QCC in PRODUCTION PROBLEM SOLVING

SMI LEARNING OBJECTIVE

SMI SKILL ONE

Production/Quality Team – Select RIGHT Mix Design, Quality, Production!

SMI SKILL TWO

QCC Brainstorming – Change Production Operations NOW, NEXT and NEW!

SMI SKILL THREE

Analyse Maintenance Problem Solving Level – React, Adapt, Anticipate and Proactive

SMI SKILL FOUR

Brainstorm and Discuss PDCA Implementation Problems in Production Department!

SMI SKILL FIVE

QCC Problem Solving Projects – Create Internal Competition and Positive Work Culture

SMI SKILL SIX

Propose QCC Project 2021 – Operations, Maintenance and New Product Development

WHO SHOULD ATTEND?

Quality, Production, Process, Design, Technical, R&D – Executive, Engineers, Supervisors, Inspectors and People involved in Preventing Costly Production and Quality Improvement



“ THE WORLD HAS CHANGED ”

The IMPOSSIBLE Happened! A Worldwide Shutdown 2021 ; this CHANGES EVERYTHING in QCC Projects and a NEW NORMAL will emerge!

A Worldwide Recession, Business Model Change, Work from Home, Communication Delays, Reduced Investments, Compulsory Health Screening, IT Dependence, etc.

The more 'adept' companies will achieve Profits Faster. We MUST expect Supply Chain Disruptions, Vendor Financial Meltdown, Lack of Materials, Slow Operations, Unpredictable Demands and a myriad of NEW CHALLENGES, NEVER EXPECTED!

Production/Quality Professionals requires Rethinking 'Traditional' Strategies, Persuade Stakeholders to CHANGE and Support New QCC Initiatives – Creative Strategies, Practical Solutions and Move Away from Current Practices – It requires a Paradigm Shift!





QCC in PRODUCTION PROBLEM SOLVING

Smart Production
– Implement BEST
Practices and Solve
95% Production
Problems

PART A “ PRODUCTION QCC in QUALITY PROBLEM SOLVING ”

1. The ‘Smart’ Quality 2021 – Customer Orders, High Rejects, Material Quality, Cost Pressure, etc.
2. Manufacturing Problem Solving – Develop Competitive Team, High Value Problems and Strategic Solutions!

PART B “ QCC TEAM in PRODUCTION MANAGEMENT ”

1. NEW PRODUCT DEVELOPMENT PROBLEM SOLVING
 - A. Customer Expectations Focus – New Design, Faster Delivery, Short Lead Time, Waste Reduction, etc.
 - B. QCC in NPD Improvement – Process, New Technical Ideas, Eliminate Defects, Waste Reduction, etc.
 - C. SMI Skill ONE – Develop NPD/QCC Team – Right Leader and Production, Marketing and Quality Members
2. PRODUCTION OPERATIONS PROBLEM SOLVING
 - A. Production Waste Focus – Overproduction, Transport, Overprocessing, Motion, Inventory, Defects and Waiting
 - B. QCC in Production Operations – Problem Analysis (PDCA), Best Solutions and Implement Action Plans
 - C. SMI Skill TWO – QCC Brainstorming – Change Production Operations NOW, NEXT and NEW!
3. PRODUCTION MAINTENANCE PROBLEM SOLVING
 - A. Production Maintenance Focus – Critical Equipments, On-Time Repairs, High Costs and Breakdown Causes
 - B. QCC in Preventive Maintenance – New Preventive MINDSET, TPM Programmes, and Autonomous Teams
 - C. SMI Skill THREE – Analyse Maintenance Problem Solving Level – React, Adapt, Anticipate and Proactive

PART C “ QCC PROBLEM SOLVING TOOLS ”

4. QCC TEAM in PDCA IMPLEMENTATION
 - A. Dynamic QCC Team – Present Competitive QCC Programmes
 - B. Production PDCA Implementation
 - PLAN – QCC Leader Present Product/Process Improvement PLAN for CHANGE
 - DO – QCC Team TEST Solutions and Production CHANGES Now/Next/New

- CHECK – REVIEW Product/Process to Achieve Desired RESULTS
- ACTION – IMPLEMENT Full Scale Action, Training and Track PERFORMANCE
- C. SMI Skill FOUR – Brainstorm and Discuss PDCA Implementation Problems in Production Department!

5. QCC TOOLS in QUALITY PROBLEM SOLVING

- A. SOLVE 95% Production Problems – New Product Development, Operations and Maintenance
- B. The 7 QC Tools Implementation
 - Pareto Diagram – Prioritise Improvement Projects – MAXIMUM Production Impact
 - Cause & Effect – Identify ROOT CAUSE of Production/Quality Problems
 - Histogram – Analyse Distribution Pattern – Present Conclusive Evidence
 - Control Charts – Prevent Problems, No-Action and Corrective Action Decision
 - Scatter Diagram – Analyse Variables – Positive/Negative Relationship
 - Graphs – Presentation Graphs – Bar, Line, Gantt, Radar, Band
 - Checklist – Correct/Specific Data Checklist – Classification/Stratification
- C. SMI Skill FIVE – QCC Problem Solving Projects – Create Internal Competition and Positive Work Culture

PART D “ QCC RESULTS – PRODUCTION/QUALITY IMPACT ”

6. PRESENT QCC PROJECT IMPLEMENTATION SUCCESS
 - A. Develop QCC Leaders – Leadership, Commitment, Team Motivation and Future Project Confidence
 - B. Present QCC Project Success – NPD Learning, Performance Impact and Critical Learning
 - C. SMI Skill SIX – Propose QCC Project 2021 – Operations, Maintenance and New Product Development