7 NEW QC TOOLS in ACTION

WHO SHOULD ATTEND?

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

1995-2020 25 YEARS TRAINING EXCELLENCE

SMI LEARNING OBJECTIVE

- **SMI SKILL ONE** – Production/Quality Team – Select RIGHT Mix Design, Quality, Production!
- **SMI SKILL TWO** – Construct Affinity Diagram – Brainstorm Before, During and After Problem Analysis
- **SMI SKILL THREE** – Construct Relationship Diagram – High Value Problems, Root Cause and Results Focus
- **SMI SKILL FOUR** – Construct Tree Diagram – Leader/Member Role, 'Best' Solution and Resources Approval
- **SMI SKILL FIVE** – Construct Matrix Diagram – Solve 'Group Problems' with Specific SOPs and Checklists
- **SMI SKILL SIX** – Construct Arrow Diagram – Delivery Production/Quality Action Plan On-Time!
- **SMI SKILL SEVEN** – Construct PDPC – Proactive Strategy to Avoid PAINFUL and Costly Project Mistakes

"THE WORLD HAS CHANGED"

The IMPOSSIBLE Happened! A Worldwide Shutdown 2020; this CHANGES EVERYTHING in QUALITY MANAGEMENT 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 Initiatives – Creative Strategies, Practical Solutions and Move Away from Current Practices – It requires a Paradigm Shift!

PLEASE CALL :
SMI ASIA AUSTRALIA

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7 NEW QC TOOLS in ACTION

Smart Production – Implement Practical Quality Strategies for Waste Reduction

PART A "7 NEW QC TOOLS in ACTION"

1. **The 'Smart' Quality 2021** – Customer Orders, High Rejects, Material Quality, Cost Pressure, etc.
2. **Production Projects with 7 NEW QC Tools** – Innovate, Persuade and Plan Quality Programmes

PART B "PROPOSE QUALITY PROJECTS – WASTE REDUCTION"

1. HIGH VALUE QUALITY PROJECT – ACHIEVE COST REDUCTION IMPACT

A. Focus Production Quality Failure – New Projects, Product/Process Modification, Wastage Reduction, etc.

B. Develop DYNAMIC Quality Team – Creative Ideas, Remove Barriers and Amplify Results

C. SMI Skill ONE – Production/Quality Team – Select RIGHT Mix Design, Quality, Production!

PART C "PRODUCTION QUALITY PROBLEM ANALYSIS"

2. CREATIVE IDEAS in QUALITY PROBLEM SOLVING

A. Make 'Crazy' Ideas Productive – Develop Team Creativity, Open Mind and Positive Attitude

B. Implement AFFINITY DIAGRAM – Leadership, Value Solutions, Build on Ideas, Positive Team Integration

C. SMI Skill TWO – Construct Affinity Diagram – Brainstorm Before, During and After Problem Analysis

3. TEAM FOCUS on 'HIGH VALUE' QUALITY PROBLEM

A. RIGHT Production/Quality Problems – Customer Demands, Short Lead Time, Supplier Reliability, etc.

B. Implement RELATIONSHIP DIAGRAM – Arrow Links, White Board, Helicopter View, Colours, etc.

C. SMI Skill THREE – Construct Relationship Diagram – High Value Problems, Root Cause and Results Focus

PART D "PRESENT BEST PRODUCTION/QUALITY SOLUTIONS"

4. 'BEST' PROBLEM SOLVING ACTION

A. Make EVERY Work Problem Solvable – Categorisation, Define Levels, Details, Step-by-Step, etc.

B. Implement TREE DIAGRAM – 'In Order To' and 'What Should be Done' Team Questions

C. SMI Skill FOUR – Construct Tree Diagram – Leader/Member Role, 'Best' Solution and Resources Approval

5. 'PROBLEM GROUPS' – LEVERAGE WORKING RELATIONSHIPS

A. Analyse Problem Groups Relationship – Dynamics, Roles, Measurements, Strengths/Weakness, etc.

B. Implement MATRIX DIAGRAM – Symbols, Direct Application, Key Actions and L/T/X Diagrams

C. SMI Skill FIVE – Construct Matrix Diagram – Solve 'Group Problems' with Specific SOPs and Checklists

PART E "PRODUCTION/QUALITY ACTION PLANS and DEADLINES"

6. DELIVER 'ON-TIME' QUALITY PROJECTS

A. Project Delivery Failures – Commitment, Cost Overrun, Resources, Delays, Complicated Solutions, etc.

B. Implement ARROW DIAGRAM – Critical Paths, Time Usage, PIC, Resources, Deadlines, etc.

C. SMI Skill SIX – Construct Arrow Diagram – Delivery Production/Quality Action Plan On-Time!

7. REDUCE PROJECT MISTAKES – COST and WASTAGE REDUCTION

A. High Costs of Project Mistakes – Wrong Process, Time/Resource Waste, Stress, Frustration, etc.

B. Implement PDPC – Working Programmes, Process Stages, Contingencies, Precise Time, Bottlenecks, etc.

C. SMI Skill SEVEN – Construct PDPC – Proactive Strategy to Avoid PAINFUL and Costly Project Mistakes