Continuous Improvement Toolkit
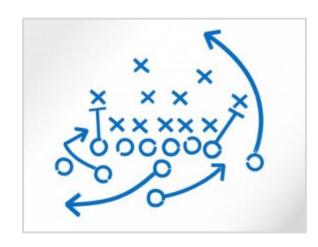
TPN Analysis

Managing Risk

PDPC

FMEA RAID Logs

Fault Tree Analysis

Risk Assessment* Decision Tree

Traffic Light Assessment

Deciding & Selecting

Pros and Cons

Importance-Urgency Mapping

Break-even Analysis

Cost -Benefit Analysis

Force Field Analysis

Voting SWOT

Pugh Matrix

TPN Analysis

QFD Matrix Diagram *PDCA*

Prioritization Matrix

Kano Analysis

Critical-to Tree Paired Comparison

Planning & Project Management*

RACI Matrix Stakeholders Analysis

PEST PERT/CPM Activity Diagram

Roadmaps Project Charter Gantt Chart

Control Planning

Gap Analysis

Hoshin Kanri *Kaizen*

How-How Diagram

Tree Diagram** Standard work

Identifying & Implementing Solutions***

Lean Measures KPIs

OEE Capability Indices

MSA RTY Descriptive Statistics

Cost of Quality

Reliability Analysis Graphical Analysis

Understanding Performance

Run Charts

Benchmarking

Control Charts

Sampling

Focus groups Interviews

Photography Check Sheets

Measles Charts Surveys

Data Collection

Critical Incident Technique

Observations

Cause & Effect Matrix Pareto Analysis

Simulation *TPM*

Confidence Intervals Mistake Proofing

Probability Distributions ANOVA

Understanding Cause & Effect

Pull Systems JIT Ergonomics

Hypothesis Testing Design of Experiments

Work Balancing Automation

Scatter Plot Correlation Regression

Bottleneck Analysis Visual Management

5 Whys Chi-Square Test Multi-Vari Charts

Flow 5S

Relations Mapping*

Value Analysis

Fishbone Diagram

Wastes Analysis SMED

TRIZ***

Brainstorming Analogy SCAMPER***

Time Value Map Process Redesign

Nominal Group Technique Mind Mapping*

IDEF0 Value Stream Mapping SIPOC

Affinity Diagram Attribute Analysis

Flow Process Chart Process Mapping

Lateral Thinking Visioning Flowcharting Service Blueprints

Creating Ideas**

Designing & Analyzing Processes

Continuous Improvement Toolkit . www.citoolkit.com

- TPN Analysis

❑ After brainstorming sessions, there will be many possible causes.

❑ You need to reduce this to a small number that you can address.

❑ TPN is designed to select those ideas/causes over which you have most control.

- TPN Analysis

When to Use It?

❑ Used to decide if any of the issues they have identified are within control.

Your team now decides whether an individual is:

❑ **(T)** Totally within the Team's influence.

❑ **(P)** Partially within the Team's influence.

❑ **(N)** Not within the Team's influence at all.

- TPN Analysis

Approach:

❑ List the issues or solutions.

❑ For each issue ask the team to categorize it (in terms of T's, P's, or N's).

❑ Decide how the 'T's can be taken forward.

❑ Identify who else needs to be involved to move the 'P's.

❑ For 'N' issue you will need to be able to identify someone who has got ownership and control, and get them involved in what you are trying to achieve.