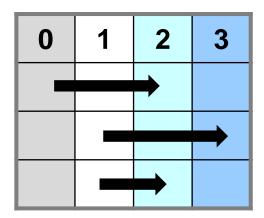
Continuous Improvement Toolkit

Improvement Roadmaps

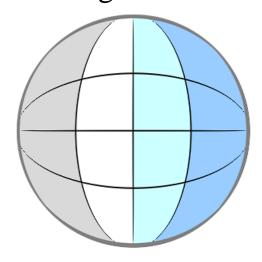


Managing **Deciding & Selecting Planning & Project Management* Pros and Cons PDPC** Risk Importance-Urgency Mapping RACI Matrix Stakeholder Analysis Break-even Analysis **RAID Logs FMEA** Cost Benefit Analysis **PEST** PERT/CPM **Activity Diagram** Force Field Analysis Fault Tree Analysis **SWOT Pugh Matrix Project Charter** Roadmaps Voting **Gantt Chart Decision Tree** Risk Assessment* TPN Analysis PDCA **Control Planning** Matrix Diagram Gap Analysis **OFD** Traffic Light Assessment Kaizen **Prioritization Matrix** Hoshin Kanri Kano Analysis How-How Diagram **KPIs** Lean Measures Paired Comparison Tree Diagram** Critical-to Tree Standard work **Identifying &** Capability Indices **OEE** Cause and Effect Matrix Pareto Analysis Simulation **TPM Implementing** RTY **MSA** Descriptive Statistics Confidence Intervals Understanding Mistake Proofing Solutions*** Cost of Quality **Cause & Effect** Probability Distributions ANOVA **Pull Systems** JIT **Ergonomics** Design of Experiments Work Balancing Reliability Analysis Graphical Analysis Hypothesis Testing Automation Regression Bottleneck Analysis Visual Management Scatter Plot Correlation **Understanding Run Charts** Multi-vari Charts Flow Performance 5 Whys Chi-Square Test 5S **Control Charts** Value Analysis Relationship Mapping* Benchmarking Fishbone Diagram **SMED** Waste Analysis Sampling TRIZ*** Focus groups Brainstorming Process Redesign Time Value Map Analogy **Interviews** SCAMPER*** IDEF0 Value Stream Mapping Nominal Group Technique Mind Mapping* SIPOC Photography **Check Sheets** Observations Affinity Diagram Attribute Analysis Flow Process Chart Process Mapping **Ouestionnaires** Visioning **Flowcharting** Service Blueprints Lateral Thinking Data Critical Incident Technique Collection **Designing & Analyzing Processes** Creating Ideas**

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- Our long-term project management and process improvement can be very complicated.
- We can drive with no fixed destination or time constraints.
- We need to know and understand where we are now, and then find the fastest and simplest way to achieve our targets.

A map can always help to find our way!



- □ **An Improvement Roadmap** is a simple mechanism for achieving improvements.
- □ It is a document that will guide us through the implementation process of a long-term goal or project.
- □ It illustrates the best possible routes to get to where we want to go
- □ It will indicate if we are in the correct way at the right time.
- It will give the team a good overview of the actual situation of the implementation, making sure that all are moving forward toward obtaining excellence.



A good improvement roadmap should answer:

- □ Where we are now?
- Where we want to be?
- What is the time needed to reach our goals?
- What performance indicators are needed to assess the progress against the established goals and milestones?



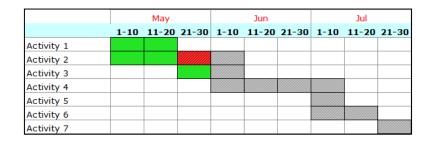
Improvement Goals	Where we are now	Where we want to be in	Where we want to be in	Where we want to be in	Measurables

Measurables are those indicators that allow you to actually assess your progress against your milestones.

□ An action plan per goal is needed to break down big goals into smaller and workable activities.

■ A good action plan:

- Outlines all activities and their order.
- Outlines time periods.
- Outlines responsibilities.
- Highlights any particular needs, issues or obstacles to overcome.
- Identifies where to focus efforts for greater impact.



Example:

Improvement Goals	Where we are now	Where we want to be in 6 months	Where we want to be in 12 months	Where we want to be in 18 months	Where we want to be in 24 months	Measurables
Spoilage reduction	Spoilage rate is too high (>8%)	Defect awareness program to all	Breakdown analysis system in place	Spoilage rate less than 5%	Spoilage rate less than 4%	Spoilage rate
Internal Audit development	Internal audit is not effective enough	Current audit practices reviewed and improved	Audit system covers all functional areas	Audit score above 80%	Audit score above 90%	Audit score
5S improvement	Poor workplace organization & conditions	5S awareness program to all	5S procedures & practices in place	5S audit score above 75%	5S audit score above 85%	5S audit score

Example:

