



Business Process Kaizen - Focused on Non production area but indirectly related to production.

Area	Type of issues	Type of kaizen	Kaizen Tools Involved	Expected Gains (Measurable)	Remarks	Kaizen Duration
"Supply Chain - (Order Entry to Production Receive Material)"	<ol style="list-style-type: none"> 1. Long Lead time 2. Data and Information Errors 3. Material Shortages 	Business Process Kaizen	<ul style="list-style-type: none"> - Process Mapping - Waste Identification - Layout Planning - 5S - Safety 	<ol style="list-style-type: none"> 1. Shorter Process Lead time 2. Increase Efficiency" 	<ul style="list-style-type: none"> - If we only LEAN the production line and not the other areas that are indirectly supporting manufacturing than the true impact of a LEAN facility will not be realized. If only production and support functions know about LEAN and practicing it but not the other indirect area than there will be a breakdown in communication. - LEAN at other areas are equally important to create a link between all the department which will create a LEAN culture through the entire facility. " 	5 Days.
Warehouse	<ol style="list-style-type: none"> 1. Long Lead time (Material Preparation) 2. Mixed Parts / Wrong Parts Delivered) 3. Missing Parts 4. Poor 5S 5. Poor Safety 6. WASTE (non value added activities) 7. etc....." 	Business Process Kaizen	<ul style="list-style-type: none"> - Layout planning - FIFO (First In First Out) system. - 5S - Waste Identification - Visual Management - Kanban / Pull System" 	<ol style="list-style-type: none"> 1. Increase Efficiency 2. Increase Accuracy (Material, Stock Count, etc.) 	<ul style="list-style-type: none"> - A lot of money can be lost if a Warehouse is not organized and managed well. - Warehouse department is a key area to determine that production and the company meets their goals esp. when it comes to delivery to the Customer. A dis-organized Warehouse will lead to inaccurate stocks that leads to major LINE STOP situation that impacts the company and the customer which we must avoid at all cost. " 	<p>3 to 5 Days</p> <p>Note: Warehouse can be separated to three areas -</p> <ol style="list-style-type: none"> 1. Incoming Raw Material 2. Raw Material Storage 3. Outgoing Finished Goods. <p>Kaizen duration depends on size of the area. "</p>
Quality	<ol style="list-style-type: none"> 1. High Failure Rate 2. High Scrap Rate 3. Low LAR (Lot Acceptance Rate)-QA 4. (Final Inspection) 5. High Rework Rate. 6. Output / Productivity Loss. 	Quality Improvement Kaizen	<ul style="list-style-type: none"> - DMAIC tool (Define, Measure, Analyze, Improve & Control) - Ishikawa Diagram (Fish Bone) - 5 Why? - etc..... 	<ol style="list-style-type: none"> 1. Lower or Zero Failure Rate. 2. Lower Scrap Rate 3. 100% LAR (Lot Acceptance Rate (QA). 4. Lower Rework Rate. 5. Increase in Output 6. Increase in Productivity 	<ul style="list-style-type: none"> - Quality improvement is an on-going process. If one root cause action fails to yield results than we need to work on the next root cause action and go on till all the root causes are addressed. 	4 Days