<u>SC:専門コース</u> (経営者及び管理職向け)

2016 年

営業スキル向上のための人的資源管理





























	COPYRIGHT2016 STRATEGIC CONSULTING FIRM CO., LTD.
■ Ⅳ. ケーススタディ	
事例 : 経営方針	
	14



	COPYRIGHT2016 STRATEGIC CONSULTING FIRM CO., LTD.
■ Ⅳ ケーススタディ	
事例 エリアマーケティング	
	16
	**



	COPYRIGHT2016 STRATEGIC CONSULTING FIRM CO., LTD.
Ⅳ. ケーススタディ	
事例 : 目標設定	
	18



	COPYRIGHT2016 STRATEGIC CONSULTING FIRM CO., LTD.
■ Ⅳ ケーススタディ	
- 事例 : インセンティブ制度	
	20









販売力向上のための人的資源管理戦略(藤田忍)

研修カリキュラム

日	テーマ	内容	教授法	成果
1	現状認識	売り上げが低迷すると、短	座学	現状認識ができ
		絡的に販売力不足を理由に	ディスカッ	る
		することがよくあるが、こ	ション	
		れはあまりにも乱暴な考え		
		方である。論理的に考える		
		と、売れる状況にないこと		
		がよくある。これを WHY の		
		ツリーを使い、本質的原因		
		を把握する手法を学ぶ。		
2	販売力向上	WHY のツリーから導き出され	座学	WHY ツリーが理
		る問題点から、論理的に解		解できる
		決すべきソリューションの		
		方向性を導くプロセスを学		
		ぶ。		
3	具体的対応	問題解決に向けて何をすべ	座学	具体的な対応策
		きかを、「教育」と「社内	ディスカッ	が理解できる
		制度」の視点から具体的な	ション	
		対応策を学ぶ。		
4	事例研究	受講者の会社を事例とし	グループワ	課題解決の方法
		て、グループ毎の実習を通	ーキング	が理解できる
		して課題解決を試みる。		
5	現地事例	現地の2つの会社を事例と	講話	事例を通して成
		して、経営者自らの直接解	質疑応答	功事例を理解で
		説を通して成功事例を学		きる
		چې مې		

<u>SC:専門コース</u> (経営者及び管理職向け)

2017 年

マーケティング戦略計画プロセス









































	COPYRIGHT2017 STRATEGIC CONSULTING FIRM CO.,LTD.					
	Ⅳ. 各種手法の比較					
	 ■マーケティング戦略には、その目的や事業状況や立案背景によって様々な種類や手法がある。従って、目的やその時点の状況に応じて最も効果的方法を選ばなければならない。 ■いずれにしても、売上低迷への対応は「宣伝や値引」が全てではないことを知ること。その上で「顧客が自社を選ばない」理由をしっかりと把握し、「どうすれば自社製品を指名してもらえるか?」を顧客の立場(ニーズ)に立脚して対応することを肝に命じるべきである。 					
		ソリューションの内容	メリット	デメリット	コスト、時間	活用のタイミング
基本 マーク 手注	、的な ティング [*] 戦略立案	 全体を網羅したマーケテハク"戦略(市場環境、戦略分析、基本戦略、個別戦略) 市場実態に適合した内容 事実規模など自社の戦略方向と全ての具体的対応 	 ■市場(マクロ環境、自 社、競合、消費者) が詳細に渡り把握で きる ■勝つための戦略が 完全に網羅されてい る 	 策定に時間とコスト がかかる 場合によっては外 部専門家が必要 大掛かりで全社対 応となる 	 ■ 3~5ヶ月の日数が 必要 ■調査等に費用が必要 ■ 全社的な対応が必要 	 新事業立上げ時 現行マーケティング戦略 の抜本見直し時 市場構造の急変時 中期計画策定時 新製品開発時
簡易的な難	問題、課題対 応型 * WHYツリー HOWツリー	 ■現在抱えている問題に対する解決策 ■問題の本質、解決すべき課題と具体的対応方向 	 ■自社の改善、補強 すべきテーマと対応方 向が分る ■早期対応可能 ■関連する部署で対 応可能 	 競争の視点が弱い 抜本的な対応になりづらい 他分析必要 個別戦略が別途必要 	 ■1~2ヶ月の日数が 必要 ■少人数で或いは特定の部門で対応可 ■費用がかからない 	 ■市場競争激化時 ●強い競合の出現時 ■売上漸減時 ■緊急対応時 ■短期的売上成長鈍 化時
戦略立案手法	競合対応型 * レーダーチャート * SWOT分析 * ポッジョニング 分析	 競合他社との比較と対応策(レー ダ⁻ チャート) マーケィング基本戦略の方向性 (SWOT分析) 特長化(ボジショニング) 	 ■競争状況と競合への対応が分る ■早期対応可 ■凡その基本戦略立案可 ■ホイント修正 	 顧客の視点が弱い 抜本的な対応になりづらい 他分析必要 個別戦略が別途必要 		
	0					٥
i i	3					

<u>SC:専門コース</u> (経営者及び管理職向け)

2017 年

マーケティング戦略








































				COPYRIGHT	2017 STRATEGIC CONS	ULTING FIRM CO., LTD.
	Ⅳ. 各	種手法の比較				
	 マーケティンク 効果的方法を対 いずれにしてき 握し、「どうすれ 	「戦略には、その目的や事業状況や立 選ばなければならない。 も、売上低迷への対応は「宣伝や値引」 しば自社製品を指名してもらえるか?」を	案背景によって様々な科 」が全てではないことをタ 顧客の立場(ニーズ)に	重類や手法がある。従っ 印ること。その上で「願客 立脚して対応することも	って、目的やその時点の Gが自社を選ばない」理 E肝に命じるべきである。	状況に応じて最も 由をしっかりと把
		ソリューションの内容	メリット	デメリット	コスト、時間	活用のタイミング
基本 マーク 手注	、的な ティング [*] 戦略立案	 全体を網羅したマーケテハク"戦略(市場環境、戦略分析、基本戦略、個別戦略) 市場実態に適合した内容 事実規模など自社の戦略方向と全ての具体的対応 	 ■市場(マクロ環境、自 社、競合、消費者) が詳細に渡り把握で きる ■勝つための戦略が 完全に網羅されてい る 	 策定に時間とコスト がかかる 場合によっては外 部専門家が必要 大掛かりで全社対 応となる 	 ■ 3~5ヶ月の日数が 必要 ■調査等に費用が必要 ■ 全社的な対応が必要 	 新事業立上げ時 現行マーケティング戦略 の抜本見直し時 市場構造の急変時 中期計画策定時 新製品開発時
簡易的な難	問題、課題対 応型 * WHYツリー HOWツリー	 ■現在抱えている問題に対する解決策 ■問題の本質、解決すべき課題と具体的対応方向 	 ■自社の改善、補強 すべきテーマと対応方 向が分る ■早期対応可能 ■関連する部署で対 応可能 	 競争の視点が弱い 抜本的な対応になりづらい 他分析必要 個別戦略が別途必要 	 ■1~2ヶ月の日数が 必要 ■少人数で或いは特定の部門で対応可 ■費用がかからない 	 ■市場競争激化時 ●強い競合の出現時 ■売上漸減時 ■緊急対応時 ■短期的売上成長鈍 化時
戦略立案手法	競合対応型 * レーダーチャート * SWOT分析 * ポッジョニング 分析	 ●競合他社との比較と対応策(レー ダ⁻ チャート) ■マーケィング基本戦略の方向性 (SWOT分析) ■特長化(ボジショニング) 	 ■競争状況と競合への対応が分る ■早期対応可 ■凡その基本戦略立案可 ■ホイント修正 	 ■顧客の視点が弱い ●抜本的な対応になりづらい ●他分析必要 ●個別戦略が別途必要 		
						٥
i i						9

<u>SC:専門コース</u> (経営者及び管理職向け)

2017 年

カイゼン管理





Introdu	iction of Lecturer
Name :	Mitsuo Tamada, JICA Expert ,EBRD Senior Industrial Advisor Email address: mitsuo.tamada@truspire.com
Company : Experience :	 Truspire Co,. Ltd. (www.truspire.com) (1) 30 years Japanese textile company International Business, Marketing & Administration (2) 3 years in Textile/garment factory in Africa (3) 10 years consulting in Kaizen, Production/Operation, Sales Management, Marketing in various countries.
3	

	Sched	ule/Table of Contents	
Day	Session	Topics	Slide No.
1	1	- Introduction of KAIZEN (Continuous Improvement)	Ţ
	2	- KAIZEN Case study	22
2	3	- Total Quality Management (TQM)	39
	4	- TQM Company-wide approach	50
3	5	- Quality Control (QC)	60
	6	- Quality Control (QC) Circle	70
4	7	- Shop Floor Improvement (IE), Visualization	103
	8	- 5S and 7 Wastes	145
5	9	- Business Process Re-engineering (BPR)	192
	10	- KAIZEN Master Plan and Rules of KAIZEN	209





















































































































OC: Definition OC: Definition Otal Quality Control (TQC) may be defined as " a effective system for integrating the quality provement efforts of various groups in an organization so as to enable production and service at the most economical levels which allow or full customer satisfaction." (A.V. Feigenbaum) Statistical Quality Control (SQC) is the pipication of statistical techniques, in all stages organization e a product that is maximally useful and has a market. (W.E. Deming)





Quality	For	То	Responsibility
Quality Standard	Control Process	Production Process	Production Manage
Quality Target	Improvement	Research and DevelopmentAll employees	 Top Management R & D Manager
Quality Assured	Customer Satisfaction	Customer	Sales Manager + All others
Inspection Standard	No Defects to the customer	Inspection	Inspector





Quantity per style	Quantity to be checked	No. of defects tolerated
ess than 500 pieces	40	1
501 to 1000 pieces	80	3
1001 to 3000	100	4
3001 to 5000	120	5
Over 5001	140	6
n case the defective of quantities, all the qua delivered with final qu mprovement signed b	quantities are more than ntities of the item are to ality inspection sheet and by the manager.	the above tolerated be inspected and I report for quality












Responsibility for Quality

All members of an organization have some responsibility for quality, but certain parts are key areas of responsibility.

Top Management

Top management has the ultimate responsibility for quality. While establishing strategies for quality, top management must institute programs to improve quality; guide, direct, and motivate managers and workers; and set an example by being involved in quality initiatives. Examples include taking training in quality, issuing periodic reports on quality, and attending meetings on quality.

Design

Quality products and services begin with design. This includes not only features of the product or service, but also it includes attention to the processes that will be required to produce the products and/or services that will be required to delivery the service to customers.







Marketing and Sales

This department has the responsibility to determine customer needs and communicate them to appropriate areas of the organization. In addition, it has the responsibility to report any problems with products or services.

<u>Customer service</u>

Customer service is often the first department to learn of problems. It has the responsibility to communicate that information to appropriate departments, deal in a reasonable manner with customers, work to resolve problems and follow up to confirm that the situation has been effectively remedies.

































5M = Input	for production/services
5M	Description
Man	Cause Factor of In-charge, Management, Partner
Machine	Cause Factor of Machine, Equipment, Tool, Facility, Room, Chair or Table
Method	Cause Factor of Technology, Operation Procedure, How-to-do
Measurement	Cause Factor of Collecting information, Confirming process, Measurement of the result
Material	Cause Factor of Material to be processed



































Question		Action
1. What is the objective?	Why?	1. Eliminate unnecessary work.
2. Where should it be done?	Why?	2. Change the place or combine with other work.
3. When should it be done?	Why?	3. Change the time and order, or do it concurrently.
4. Who should do it?	Why?	4. Change the worker, or let the same worker do it.
5. How should it be done?	Why?	5. Simplify the process or improve the process













Motion study : Therbligs Chart		f motion Analyza	ay using Therbli
Chart	65 0	T Inotion - Analyze i	Jy using Therbin
	No.	Therblig name	Symbol
	1	Transport empty	
Define 18 kinds of motion that are the smallest	2	Grasp	
unit of manual labor that a human being performs	3	Transport loaded	
	4	Assemble	<u> </u>
Analyze the actual situation of these 18 kinds of	5	Disassemble	++
motion	6	Use	U
	7	Release load	\$
	8	Position	9
	9	Pre-position	8
	10	Inspect	Ō
	11	Search	0
	12	Find	θ
	13	Select	→
	14	Plan	<u>P</u>
	15	Hold	
	16	Unavoidable delav	
	17	Avoidable delav	
	19	Reet	⊢ o ⊂
	10	1/1051	

















Evan	nnle of Random Time Table	
EXUI		
· ·	0:05 0:20 0:10 0:15 0:05 0:10 0:15	
	0:20 0:50 0:35 0:25 0:25 0:25 0:20	
Day 1-7	0:55 1:20 0:55 1:20 0:45 0:30 0:35	
Day 8: Use Day 1	1:10 1:45 1:00 1:40 1:05 0:40 0:50	
Day 0: 03C Day 1	1:20 1:55 1:10 1:55 1:50 1:10 1:00	
	1:35 2:00 1:45 2:00 2:10 1:20 1:25	
	2:30 2:30 2:00 2:30 2:20 1:30 1:40	
If the start is 8:00,	3:05 2:40 2:05 2:50 2:30 2:25 1:50	
8:05, 8:20, 8:55	3:10 3:10 2:45 3:10 2:35 2:35 1:55	
9:10, 9:20, 9:35	3:15 3:30 2:50 3:30 2:50 2:40 2:45	
	3:25 3:40 3:00 3:45 3:00 2:55 3:05	
	3:45 3:50 3:20 3:50 3:10 3:05 3:50	
	4:00 4:05 3:30 4:30 3:40 3:15 4:00	
	4:10 4:15 4:40 4:40 3:45 3:25 4:25	
	4:35 4:20 4:45 5:10 4:30 3:30 4:45	
	4:55 4:25 4:55 5:20 5:00 3:40 5:00	
	5:00 4:30 5:00 5:30 5:45 3:50 5:10	
	5:05 4:35 5:55 5:45 5:50 4:00 5:15	
	5:35 5:20 6:00 5:50 5:55 4:15 6:20	
	5:55 5:35 6:05 6:15 6:00 4:25 6:25	
	6:20 6:15 6:35 6:20 6:35 4:35 6:50	
	6:45 6:40 6:40 6:25 6:45 5:40 6:55	
	/:10 /:10 /:35 /:30 /7:45 6:55 /7:40	
	[/:25]/:35]/:50]/:55]/:55]/:45]	
		120

	I Exa	mple: Setting up Microsof	t Word			
o .	Unit Task for Analysis	How to Count the Required Time	Comments			
1	Open the cover	Time taken to open the cover at a normal speed	Include the time used for finding the open/close knob			
2	Press the power button	When the sound of the pressed button is heard				
3	Enter the password	The sound when the 'Enter' key is pressed	Include the whole time taken before the password is successfully entered			
4	Look for the Microsoft Word icon	The pointer stops at the MS Word icon	Include the time taken to locate the pointer			
5	Choose and click the Microsoft Word icon	When the sound of the 'click' is heard				
6	Open the Microsoft Word window	When the Microsoft Word appears on the display				

			/_					
Line		TIME STUDY	(Proc	ess/ I	ask • F	roblems	Improvements	Date:
Parts	: Due e e e e /	Ust Test	т.		in al	A		Operator:
INO.	Process/	Stort at:10:11:12	1	isk per	100 2	Average	Droblomo	Improvomente
	NC-1 latha	Open the door	11.12		3	(sec.)	Lised hands to open	Air cylinder for automatic
1	Shaning	open ule uoor	1	2	1	13	the door	opening/closing of the doo
<u> </u>	onaping	Loosen the chuck	16	~		1.0	llsed a wrench	Dimpact wrench
2		with a wrench	3	4	3	33	to loosen the chuck	2Power chuck
-			18		Ŭ	0.0	Removed the work	Automatic ?
3		Remove the work	2	2	4	2.7	with hands	
			21					
4		Airblow the chuck	3	5	4	4	Manual airblow	Automatic airblower
			23				Works stored far	
5		Fix the work	2	3	2	2.3	away	Put the work near at hand
		Tighten the chuck	26					
6		with a wrench	3	4	3	3.3	Same as No.2	Same as No.2
		Close the door	28					
7		and start	2	3	3	2.7	Same as No.1	Same as No.1
					total	19.2		







-













Visualization

Make it big and easily visible

A good visual is one placed in publicly visible areas, such as walls at high traffic areas, so that people don't need to go hunting for the information. Making the visual physically large is also important as it makes it easier to see, as you would want the message to be impossible to miss.





Date 03/52			6. 48 A.M.	Inclusion
Dett	Bet ID	66	Na. of Defective	C. C
1				7.1 264F000-2110 C 202
2				1 Onusansissantis LCD
3				7 Command Ro les
1				3 Suprand Lynny
0				mation lost Gut a p
				o typen (Sed (au)
7				a little how - Dear Was
N.				Distance in the last
				AG11000-1410 (144)
Canal	sing of Defective On-			I mierow (co Cole a To
Part I MG Room P	Defective Div	N. 10		4 minutes Court had
Part Scanoon in	Defective One	0 100		A Charles T - TR
Part # MORPOOD IN	11 Defective Offic	0 (2		e Maria ten Der - a
Part A Mail Com- N	Defective Office	34 (D		
Contract of the second second	te station que		_	in the second se
				and the second design of the s










(Visualization of daily production planning)										
Day	1	2	3	4	5	6	7	8	9	10
Line 1										
Line 2										
Line 3										
Total No. of workers										

	Visualization check list							
No.	Check point	Score (1-5)						
1	Sign to classify sections are large enough?							
2	Colored line on the floor indicating how a product is to be stacked?							
3	Signs are easy to understand?							
4	Are there freestanding whiteboard?							
5	Are there progress control board?							
6	Production plan is visible?							
7	Color is used, e.g. in inventory management? (FIFO)							
8	Traceability information is visualized? (Lot no., production date, internal code no. etc.)							
9	Bar code or QR code is used?							

١	/isualization check list	
No.	Check point	Score (1-5)
10	Defect cases are visualized?	
11	Follow-up of defects is visualized? (who, what, when, where)	
12	Defect graph by reason exists?	
13	In the storage area, each area is clearly marked to ensure that there are no mistakes when sorting and placing goods?	
14	The shelves are systematically organized and clearly labeled, while each individual product is also labeled with a sticker?	
15	Each label is designed to be both human and machine readable?	
15	machine readable?	





5 S's in both Japanese & English							
Fundamental Principles							
In English							
Sorting: Remove unnecessary things. Separate out what is needed for the operations.							
Set in order: Place things in order and make them visible							
Sweep: Tidy up and clean up							
Standardize: Keep/maintain your surroundings clean and comfortable							
Sustain: Make a custom of practicing the principles							



















-		-

Fi	actor	y 5S check list I Not at all, 2: Need improvement,	3: (Good	d	
Area	No.	Description	S	core	(1-3)	Remark
	1	Materials, WIP, Tools are only for today?	1	2	3	
	2	Material and parts are in order?	1	2	3	
-	3	Tools are close to handle by order of frequency? The more use, the closer.	1	2	3	
Workshop	4	No material, WIP, tools not necessary now are on operation table?	1	2	3	
	5	Unnecessary items under the operation table?	1	2	3	
	6	Documents, operation manuals are scattered?	1	2	3	
	7	Ashtray?	1	2	3	
	8	Food or beverage?	1	2	3	
	9	Personal belongings?	1	2	3	
	10	Pleasant atmosphere?	1	2	3	

Sc	ore: 1 N	lot at all, 2: Need improvement, 3:	Go	bod		
Area	No.	Description	S	core	(1-3)	Rema
	1	Machines, equipment, old parts are left?	1	2	3	
	2	Tools are left?	1	2	3	
	3	Safety cover is set well?	1	2	3	
	4	Recorder and meter is correct?	1	2	3	
Equipmen	5	Pipes and cables of electricity, oil, steam and air set with differentiation?	1	2	3	
t/machine	6	No leakage of oil, steam air?	1	2	3	
	7	Manual and electricity chart are well stored?	1	2	3	
	8	Machine and equipment are cleaned?	1	2	3	

Fa Sci	ore: 1	y 5S check list Not at all, 2: Need improvement, 3: 0	God	bd		
Area	No.	Description	Sc	ore	(1-3)	Remark
Parts shelf	1	Unnecessary items?	1	2	3	
	2	Not parts like tools in the shelf?	1	2	3	
	3	Number of items is recorded and right?	1	2	3	
	4	Easy to take out?	1	2	3	
	5	Shelf is good place to use?	1	2	3	
	6	FIFO?	1	2	3	
	7	Can items be seen from outside?	1	2	3	
	8	Cleaned well including surrounding of shelf?	1	2	3	

Area	No.	Description	S	core	(1-3)	Remar
Place of Materials	1	Any material not used long time?	1	2	3	
	2	Other items are in the place?	1	2	3	
	3	Well organized? By group, by product, by process or by suppler?	1	2	3	
	4	FIFO?	1	2	3	
	5	Cleaned well including surrounding areas?	1	2	3	
	1	Any product stays long time?	1	2	3	
Place of finished	2	Anything which is not finished products in the place?	1	2	3	
products	3	Any deteriorated product?	1	2	3	

Fac	ctory	5S check list				
Sco	re: 1 No	ot at all, 2: Need improvement, 3:	Goo	bd		
Area	No.	Description	S	core	(1-3)	Remar
Place of finished	4	FIFO?	1	2	3	
products	5	Cleaned well including surrounding areas?	1	2	3	
Pines	1	Any unnecessary pipes and electric cables?	1	2	3	
cables	2	Fixed well?	1	2	3	
	3	Disturbing walking?	1	2	3	
	4	Steam pipes well insulated?	1	2	3	
	5	Categorized and signed by directions to go?	1	2	3	
Corridor/	1	Unnecessary items?	1	2	3	



Office 5S check sheet (Seiri: Sorting) Score: 1. Not at all, 2. Need improvement, 3. Good									
No.	Check item	Check details	Score 1-3	Comment					
1	Are there any unnecessary things in the office?	Inside locker & drawers, on the desk	123						
2	Are items being sorted out?	Are these items being used	123						
3	Are unnecessary things being clearly identified?	Are unused carton boxes, items already used such as non- usable inks being kept in the facility?	123						

-	Office 5S check sheet (Seiri: Sorting)									
No.	Check item	Check details	Score 1-3	Comment						
4	Are displayed items being sorted out?	Out of date, stain, coordination	123							
5	Are magazine rack and brochure stand being sorted out?	Out of season, adequate copies	123							
				13						

	Office 5S chec order)	k sheet (Seito	on: Set	ting in
No.	Check item	Check details	Score 1-3	Comment
1	Are document files and items being properly labelled?	Are there labels indicating name of items and document files?	123	
2	Are document files and items stored in order?	Are they being stored at the right place?	123	
3	Is time for searching eliminated due to removal of unnecessary things?	There is demarcation between the stock items and items being used.	123	

0.	Check item	Check details	Score	Comment
4	Are unnecessary motion being eliminated?	Can items be picked up easily without removing unnecessary things on top of them?	1 2 3	
5	Are the positions of displayed items are adequate?	Are they being visualized?	123	

-	Office 5S chec	k sheet (Seis	o: Shin	ing)
No.	Check item	Check details	Score 1-3	Comment
1	Are there any litters or stains on the floor? Is there any dust in the locker or on the desk?	Are there any dirt or dust in the hidden areas?	1 2 3	
2	Are the surrounding areas clean?	Are there any litters or fallen leaves in the areas?	123	
3	Is the glass clean?	There is no stain on the glass and door is being cleaned completely.	123	140

sheet (Seis	o: Shir	ning)
neck details	Score 1-3	Comment
e empty cans or ttles outside the istbin?	123	
e any litters found the back side of e facility? ses daily cleaning tivity continue?	123	
	ty continue:	

0.	Check item	Check details	Score 1-3	Comment
1	Is shining/cleaning being done thoroughly as planned?	Are check sheets being used to ensure that 5S is being continued?	123	
2	Are maintenance and inspection of the machines such as copy machines or lighting equipment being done?	Are the machine, equipment, etc. working well? Is there any dangerous part in the facility?	123	
		Total	/51	







Wastes of	Definition	Frequent phenomena
Motion	Motion within a local area that does not add value. Difficult	•Searching for materials, components drawings or documents
	motion	•Reaching for tools
		•Lifting boxes of components
		•Walking away to bring tools to area
Waiting	Idle time created when people,	•Waiting for parts or drawings
	materials, information, or	 Waiting for information
	when required	 Waiting for machine repaired
		•Waiting for people
Over	Generate more than the	 Producing for stock/inventory
production	customer requires	•Working in large batches to avoid set up
		 Adding `scrap' allowances
Processing	Efforts to create no added	Unnecessary operations
	value from the customer's	•Over-tight tolerance
	reprocessing.	•Bad design
		•Multiple cleaning

Wastes of	Definition	Frequent pher	omena
Defects	Not perfect products	•Scrap	•Field failure
	Processing due to defects,	 Rework 	 Variation
	rework, repair or discard.	•Defects	 Missing parts
		•Corrective actions	
Transport	Movement between plants or offices or areas that does not	 Moving parts or equisitorage 	ipment in and out
	add to the value of the finished goods or service	 Moving materials fro another 	om one area to
		 Moving parts between 	en processes
Inventory	More materials on hand than	•Raw materials	
	currently required	 Work in progress 	
		 Finished goods 	
		•Consumable storage	5

Seven V	Wastes in Office
Wastes	Office
Motion	Search, unnecessary motions without standard operation
Waiting	Waiting for signature, specification, document
Overproduction	Extra features
Processing	Paper work, Non-value added work
Defects	Error, mistake, bug Additional operation due to error
Transportation	Document, message switching, task switching By office layout, position of items
Inventory	Partially done work, documents waiting for being processed













































Frequent phenomena • Searching for materials, drawing or documents	List up in your case
 Searching for materials, drawing or documents 	
 Reaching for tools Lifting boxes of components Walking away to bring tools to area 	
 Waiting for parts or drawings Waiting for information Waiting for machine repaired Waiting for people 	
	 Waiting for parts or drawings Waiting for information Waiting for machine repaired Waiting for people

Waste	Definition	Frequent phenomena	List up in your ca <u>s</u> e
Over production	Generate more than the customer requires	 Producing for stock/inventory Working in large batches to avoid set ups Adding 'scrap' batches allowances 	
Processing	Efforts to create no added value from the customer's viewpoint.	 Unnecessary operations Over-tight tolerance Bad design Multiple cleaning 	

7W	(Waste)		
Waste	Definition	Frequent phenomena	List up in your clients
Defects	Not perfect products	 Scrap Field failure Rework Variation Defects Missing parts Corrective actions 	
Transport	Movement between plants or offices or areas that does not add to the value of the finished goods or service	 Moving parts or equipment in and out of storage Moving materials from one area to another Moving parts between processes 	

Inventory More materials on hand • Raw materials
 than currently required Work in process Finished goods Consumable storage Off site inventory



























Before	 10 staff Progress Control Team Calculation of necessary items tomorrow Inform it to warehouse by 4:00 PM
	Warehouse staff prepared for transporting orders
	• Schedule changes were informed among them.
A (h	
Atter	• Every 15 minutes, computer calculates necessary items, amount and time and print out transportation orders to Warehouse and Bulk production process.
	No Progress Control Team (10 staff)
	Order slip
	• Schedule changes are in the computer.
















-						
Category	Jan	Feb	Mar	Apr	May	June
ntroduction						
Vorkshop						
Gemba WS						
Duration: 3-5 days						,
0 WS takes place						
Seminar						
Ouration: 1–2 day						
SM takes place						
Jbjective:						
o recognize and eliminate all kinds of waste						
Perticipente:						
Cross-section of all employees						
managers/department leaders/supervisors						
vorkers/production engineering staff						



	Kalan Master Dian													
	Kaizen Master Plan				Year	2016					Year	2017		
Plan	Category	Activity	7	8	9	10	11	12	1	2	3	4	5	6
	Promotion of 5S	Clean and organize the production area												
1	(Seiri, Seiton, Seiso, Seiketsu, Shitsuke)	Construction of shelves at store room												
2	Application of QC Circle	QC circle for quality improvement,etc.												
3	Inventpory Management	FIFO rule												
	Productivity increment	Erection of shed at the Boiling section												
4	Productivity increment	Concreting the Production area												
	Productivity increment	Provison of keading benches												
5	Quality improvement	Establishment of Quality standard & Standard procedure at each production												
6	Application for Organic Certification													_



















Rules of KAIZEN (Sample) • D class: Proposals to be revised for reconsideration. Evaluation point is less than 49.						
Evaluation Evaluation items and points factor						
Efficiency (40 points)	More than ¥1.0million/year (40-31 points)	More than ¥0.5 million/year (30-21 points)	More than ¥0.1million/year (20-11 points)	Less efficiency (10-0 points)		
Possibility of realization (20 points)	Easily possible (20-16 points)	Preparation is necessary (15-11 points)	Further improvement necessary (10-6 points)	Reconsideration Necessary (5-0 points)		
Idea (20 points)	Excellent (20-16 points)	Very good (15 -11 points)	Good (10-6 points)	Not bad (5-0 points)		
Effort (20 points)	Big effort (20-16 points)	Rather big effort (15-11 points)	Medium effort (10-6 points)	Less effort (5-0 points)		











