



Toyota's Obeya Management System

Day 2

*TOYOTA'S ENGINE FOR LEADERSHIP
& OPERATIONAL EXCELLENCE*

Sam MacPherson
Founder,
The Lean Leadership Academy
Faculty Fellow, The Shingo Institute

sam@theleanleadershipacademy.com
[@TheLeanLeaderWay](https://www.instagram.com/TheLeanLeaderWay)
(910) 217-LEAN



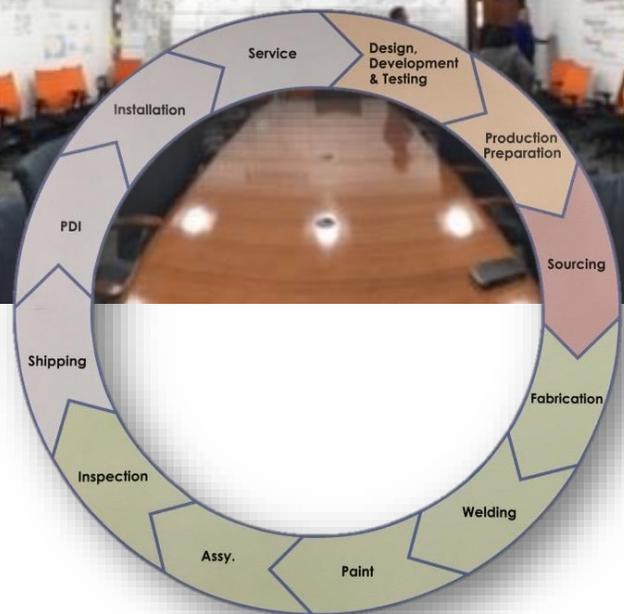
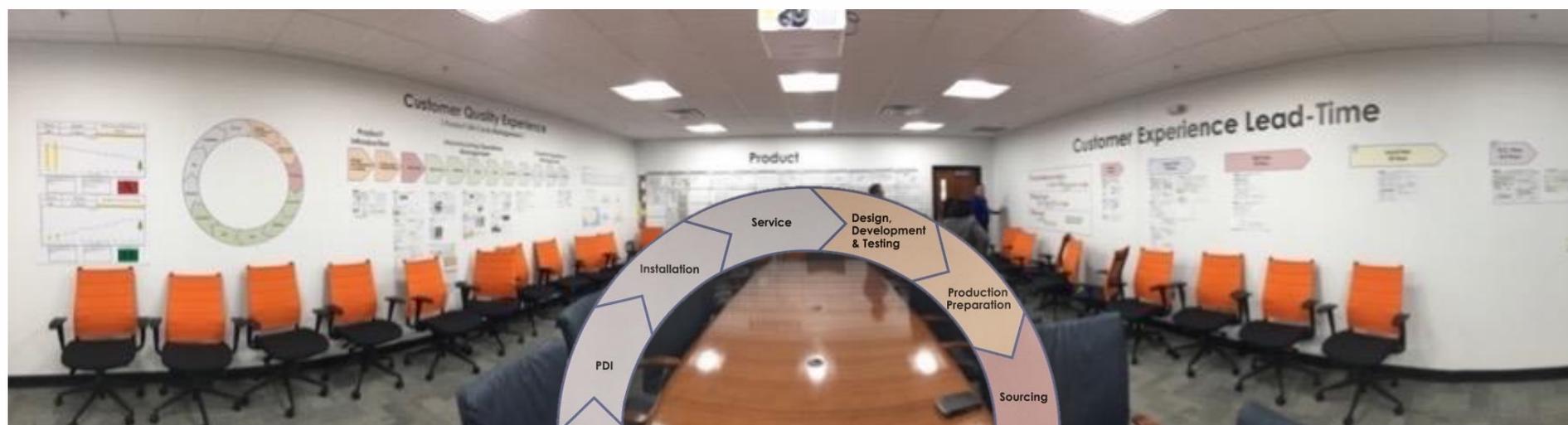


WHAT WE WILL COVER IN OUR TIME TOGETHER TODAY

- Red Ball
- Overview of Hoshin Kanri and Deployment
- One Voice Leadership
- Hoshin Kanri Development and Deployment Flow
- Managing Hoshin
- Lagging Indicators vs. Leading Indicators
- Overview of Toyota's Floor Management Development System (FMDS)
- The Five Missions of Shop-Floor Management
- FMDS, Problem Solving, and Leader Development
- Team Leadership through Three Pillar Management
- FMDS Do's and Don't
- Your Questions
- Reflections



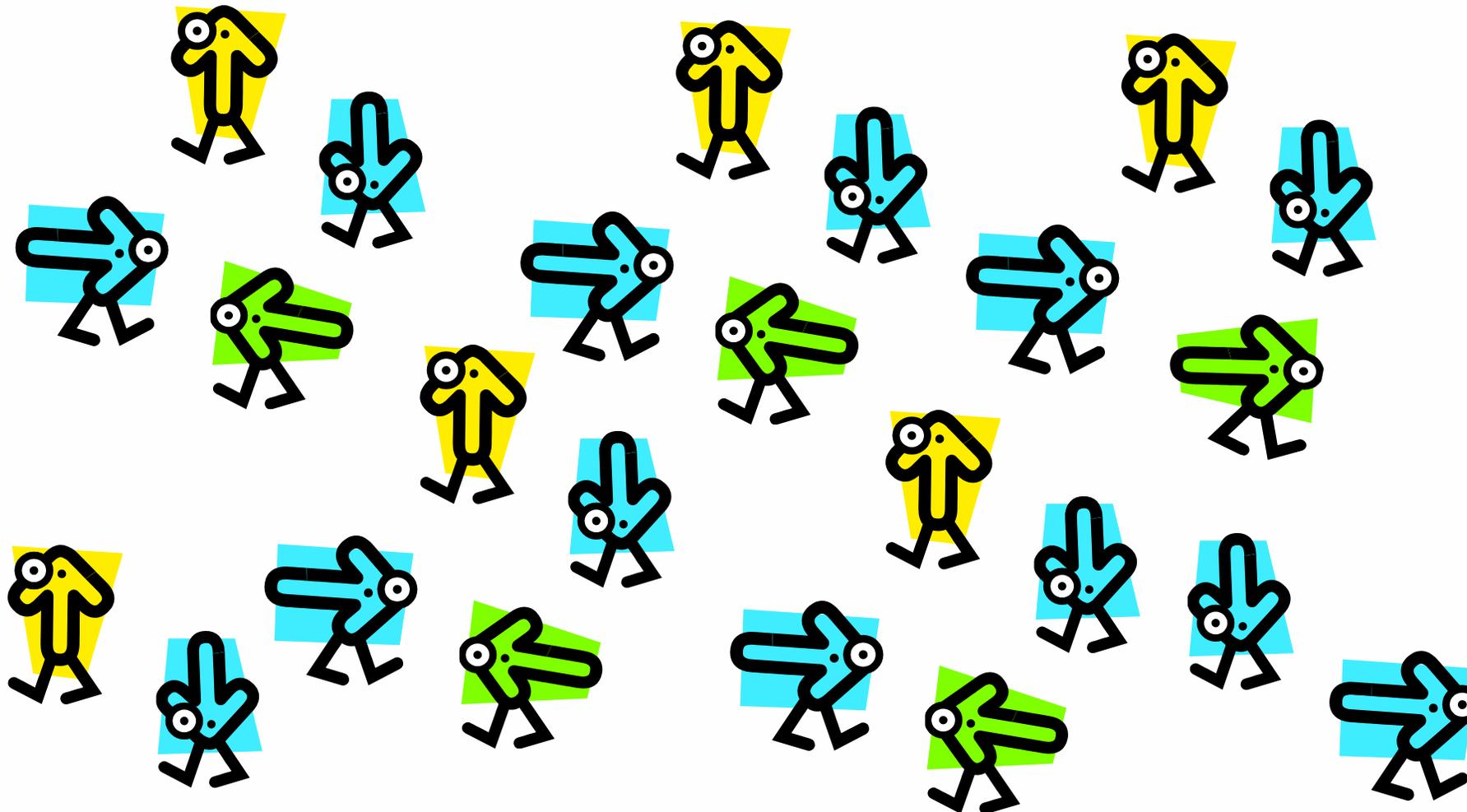
The Obeya System and Hoshin Kanri at Toyota





Does Everyone Understand the Direction and Priorities?

Does everyone understand this system of aligning their goals with the company?

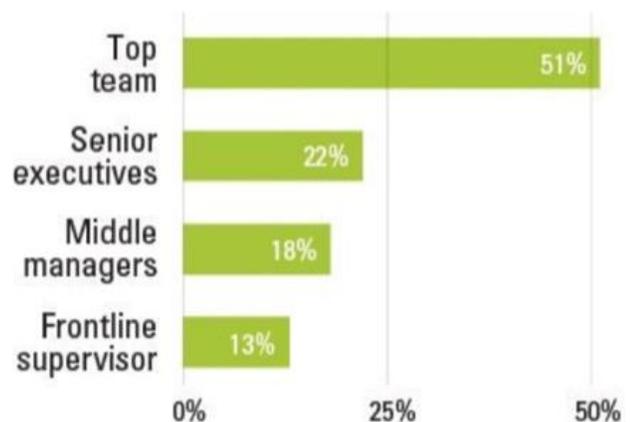




Probably Not!

Alignment Plummetts Between Top Executives and Their Direct Reports

Strategic alignment falls off a cliff from the organization's top executives to their direct reports and continues to decline, although more gradually, among lower-level managers.



Percentage of leaders at each level in an organization who can list their company's top three priorities.

Based on data from 4,012 respondents across 124 companies, with high response rates at each level, who took the survey between 2012 and July 2017.

Source: "No One Knows Your Strategy — Not Even Your Top Leaders,"
By Donald Sull et al., *MIT Sloan Management Review*, February 2018
sloanreview.mit.edu/x/59329



What is Hoshin Kanri?

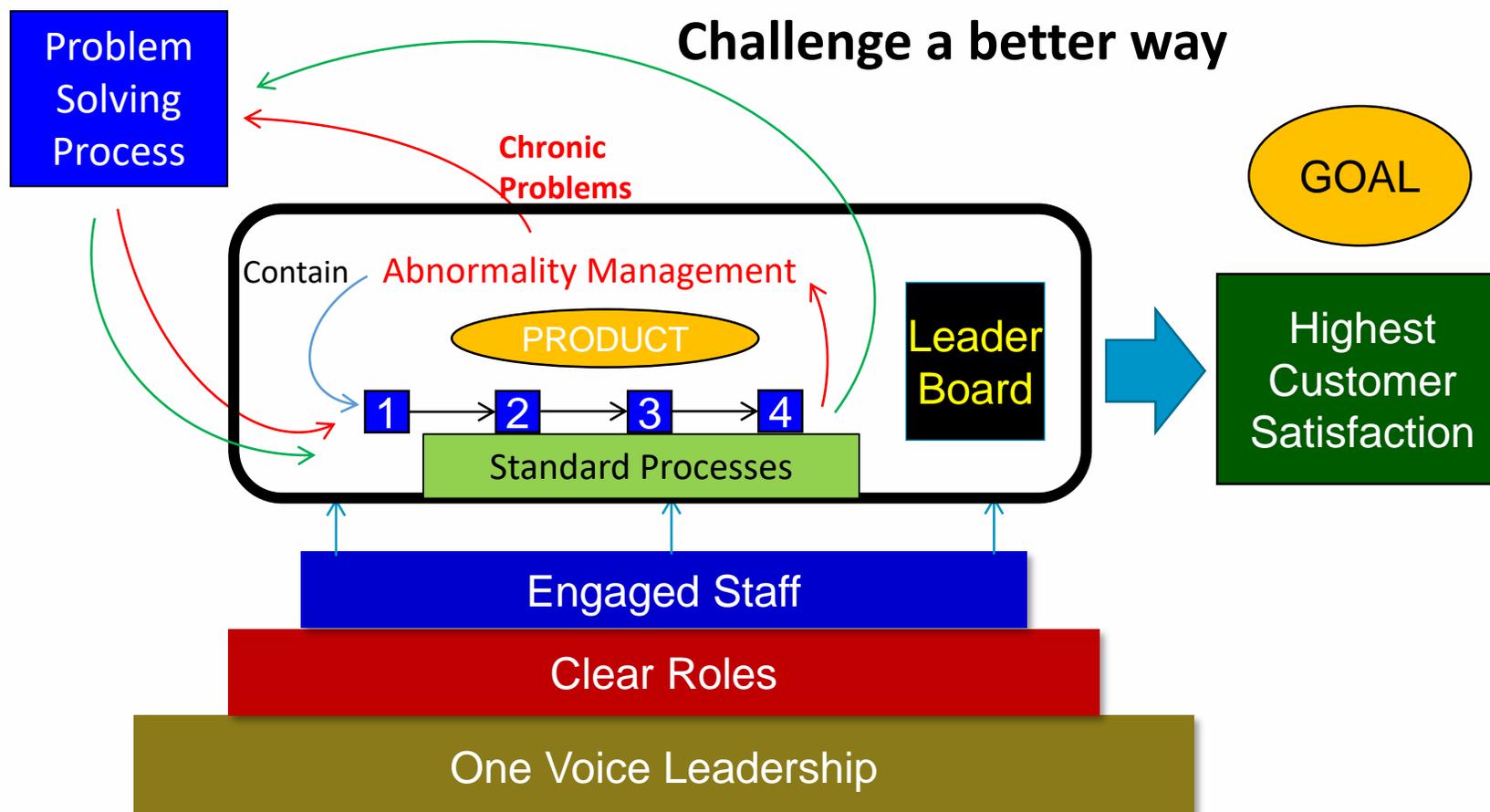
方針 管理

Hoshin = Direction

Kanri = Execution



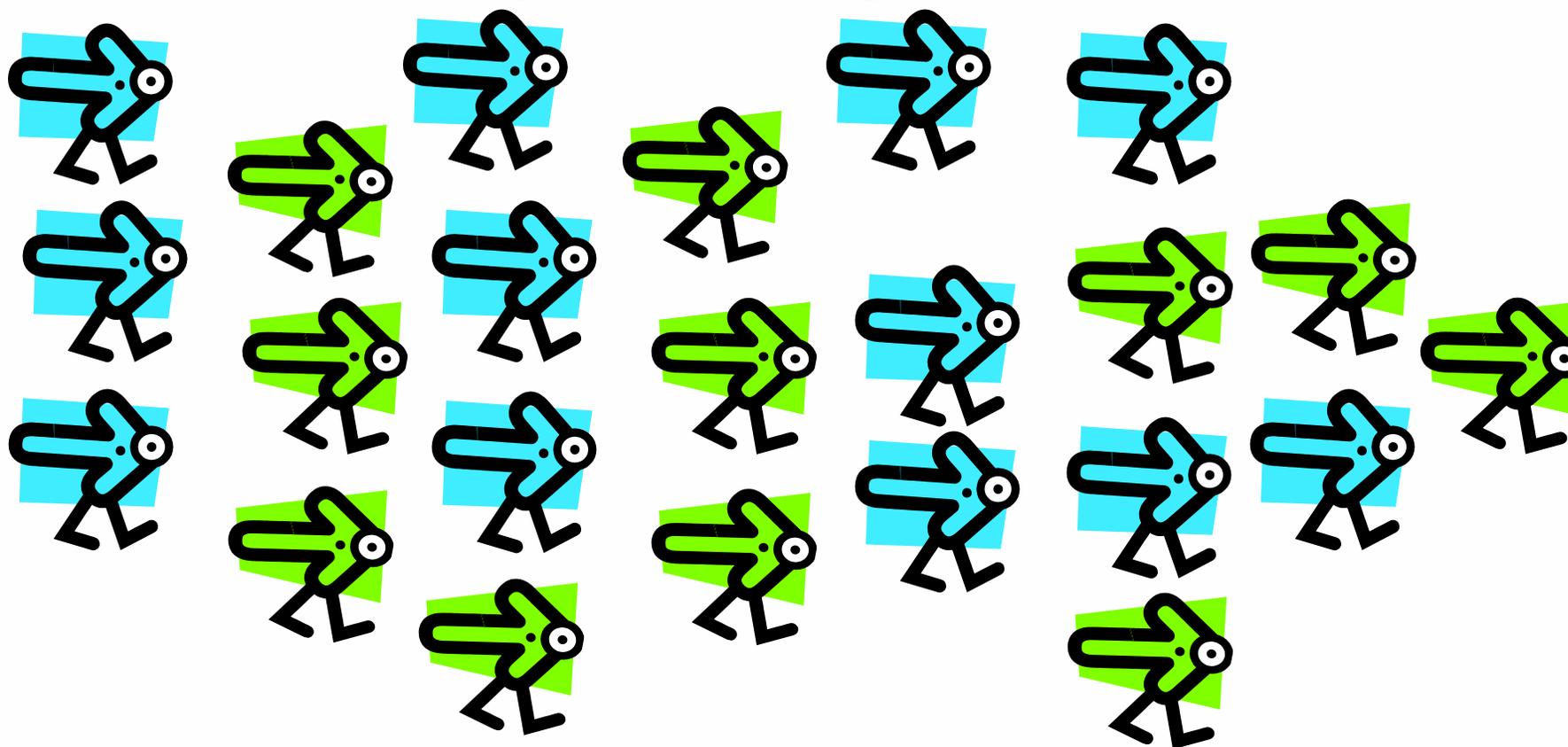
Ideal Work Environment for Enterprise Excellence





Hoshin Planning Seeks to Align Resources and Insure Unity of Effort

After Hoshin Kanri Company Planning with PDCA



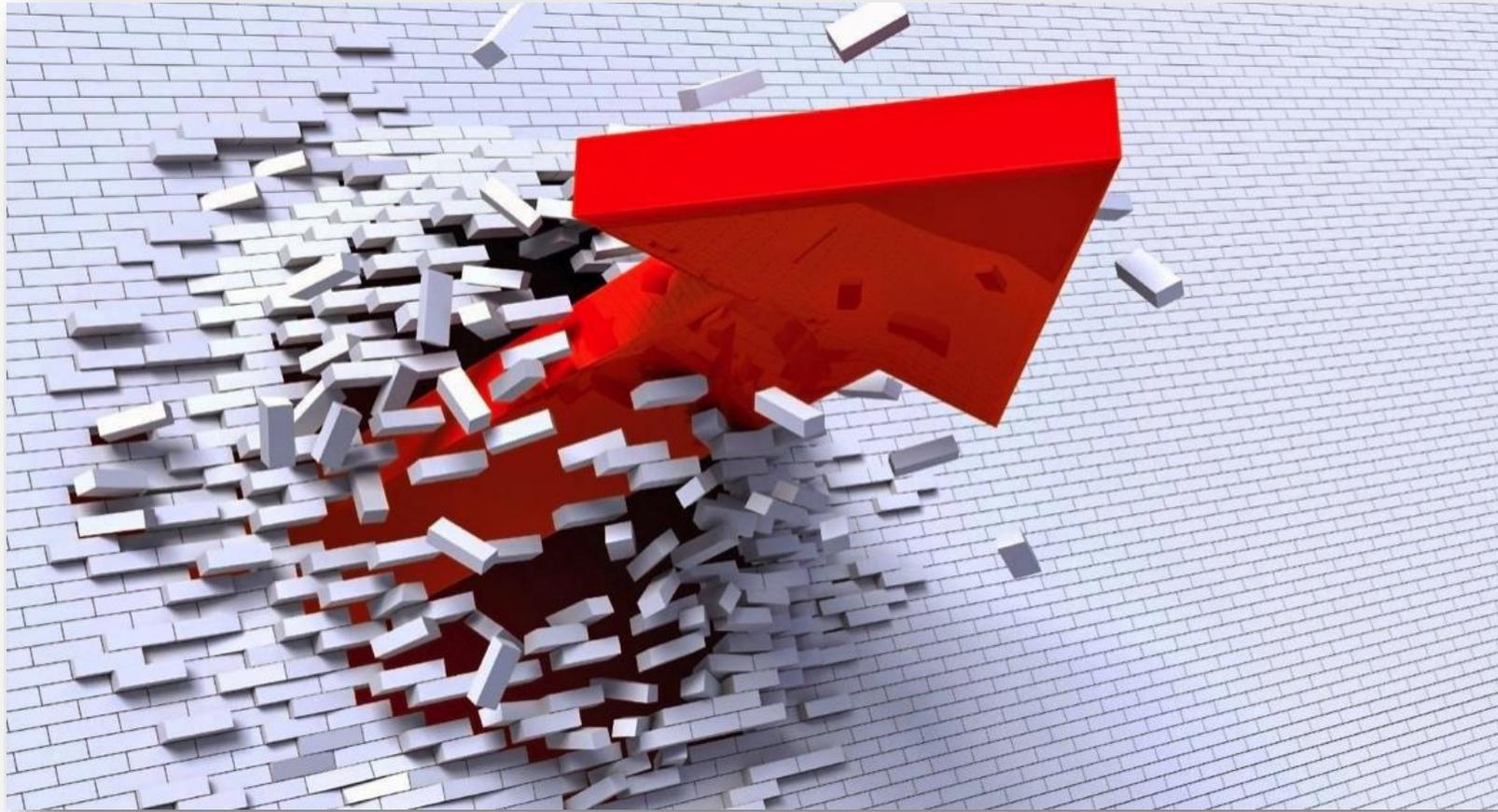


Key Points

- 1. What is Hoshin Kanri?**
2. Points of each step in Deploying Hoshin Kanri
 1. Hoshin Establishment and Deployment
 2. Hoshin Checks
 3. Actions
3. Associate's Role in Hoshin Kanri
4. Hoshin Kanri Process Simulation (Activity)
5. Summary



Hoshin is Management Kaizen for BREAKTHROUGH



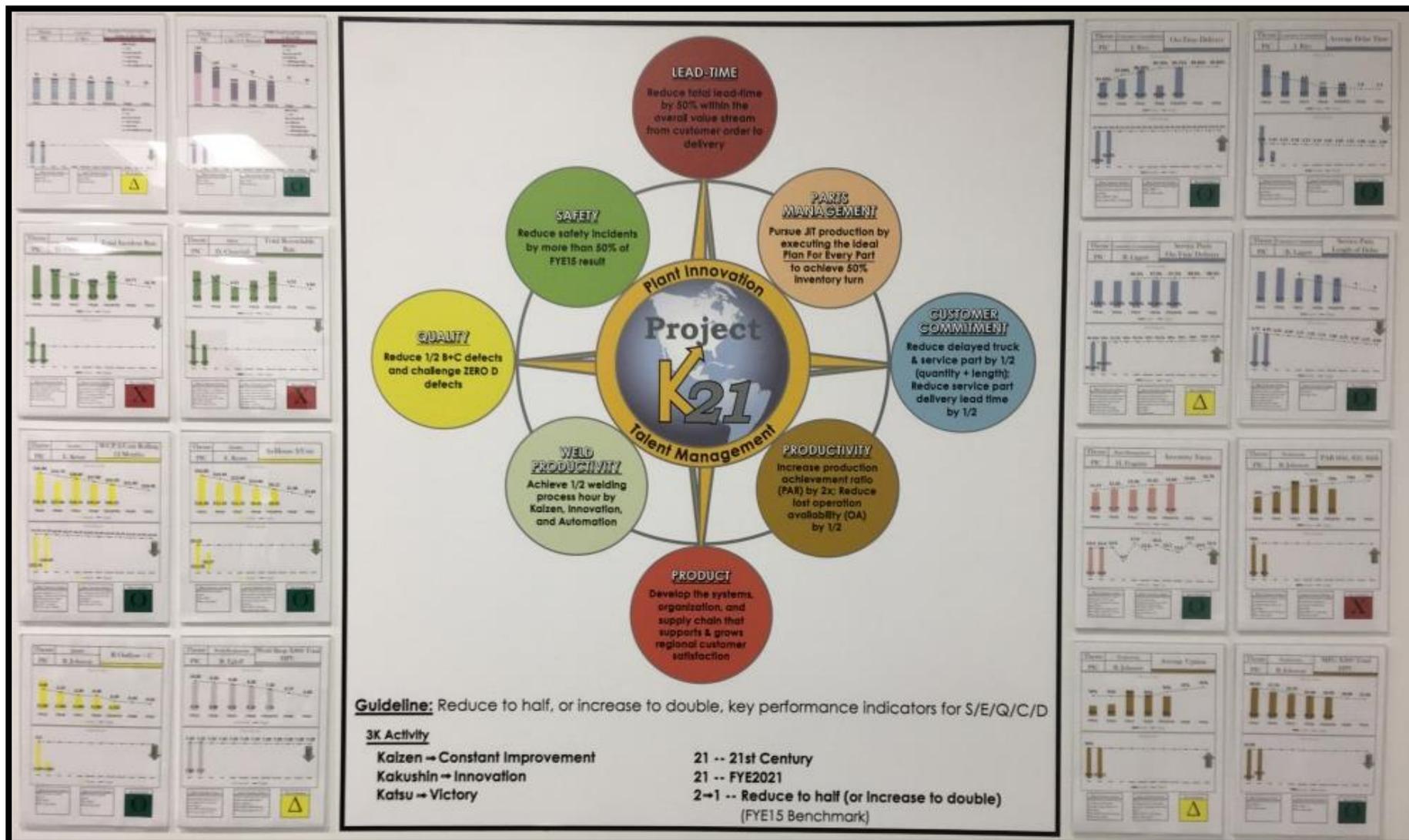


Hoshin Breakthrough Vision: Bring Lexus to Kentucky!





Mid-term Hoshin Vision at TIEM: with A3 Visual Thinking

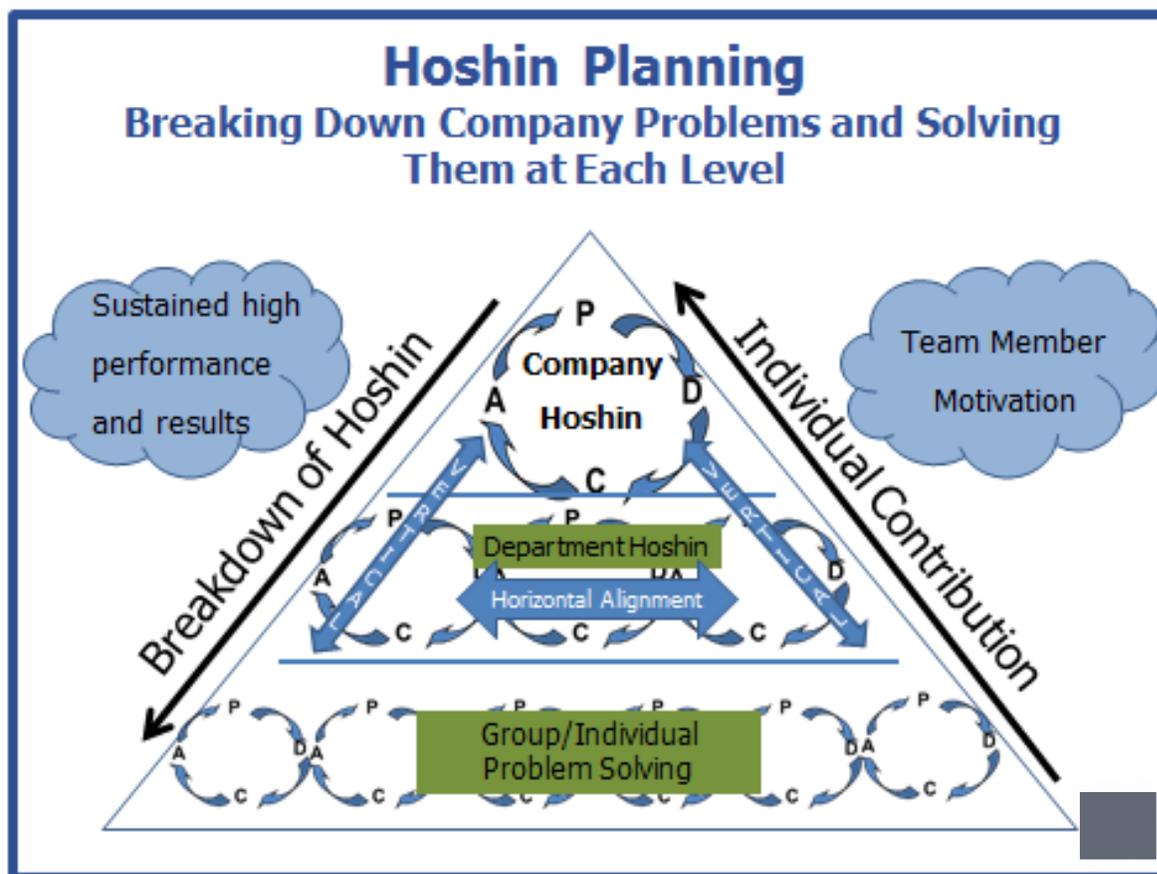




Overview of Toyota's Hoshin Process

One Voice Leadership

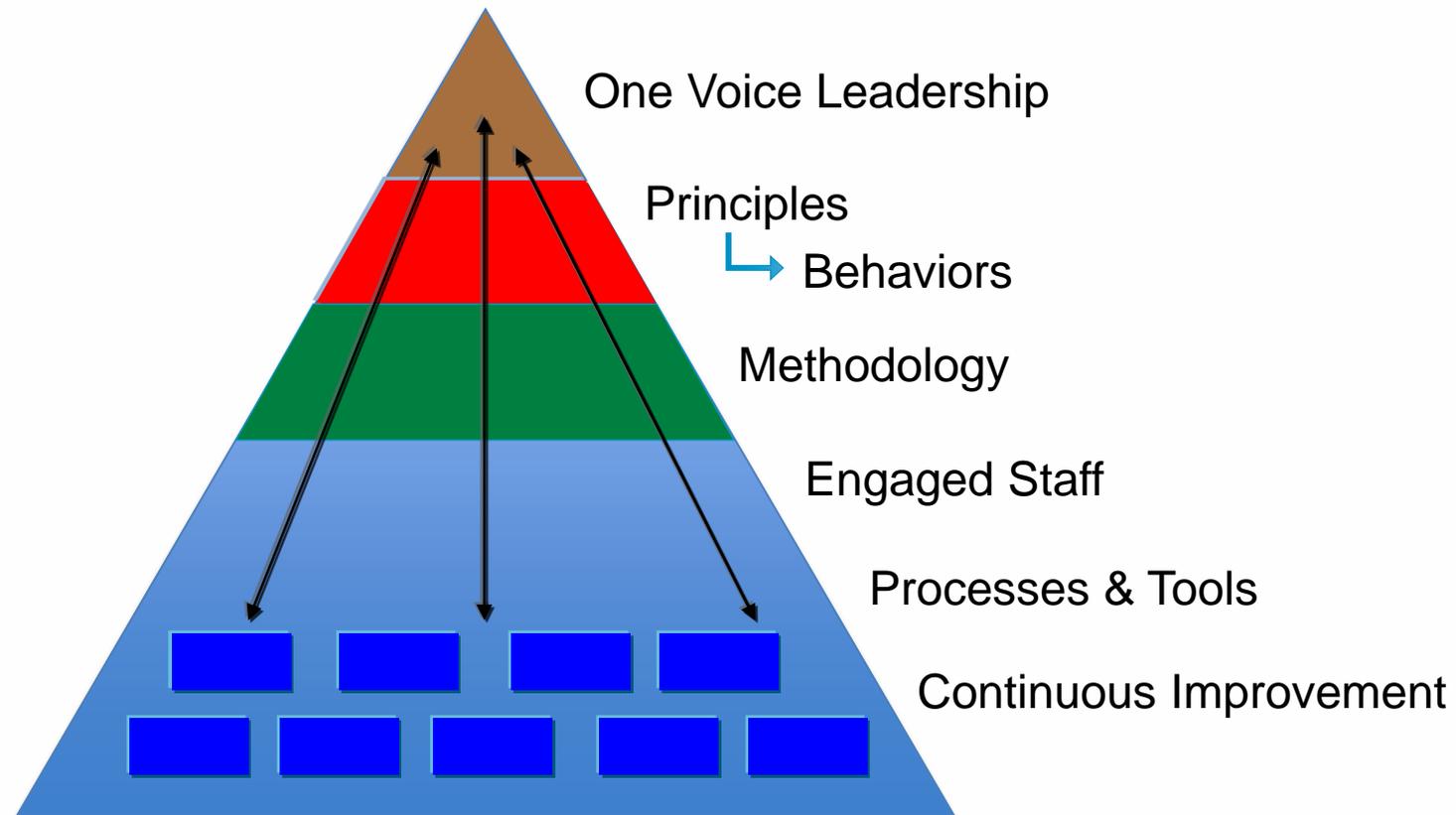
Executive and Senior Leaders must *align* their Hoshin plans before deployment through the organization to ensure consistency of direction





Hoshin Kanri Requires One Voice Leadership

Consistent Principles Applied Via Every Day Behaviors

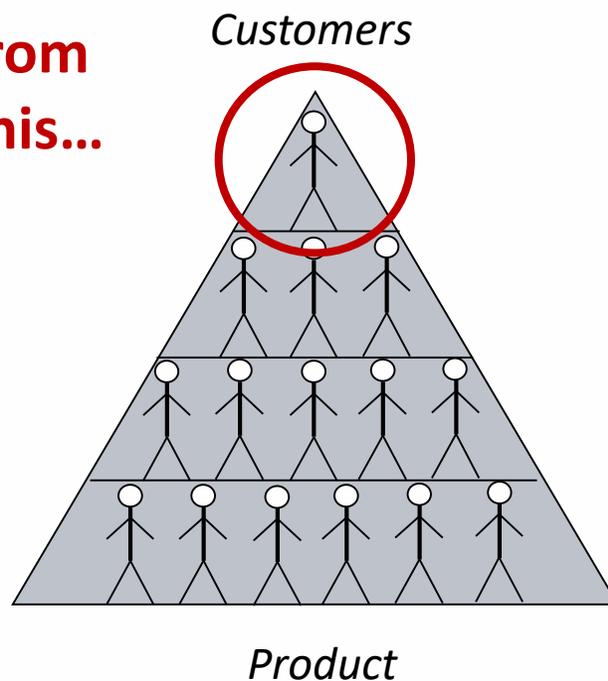




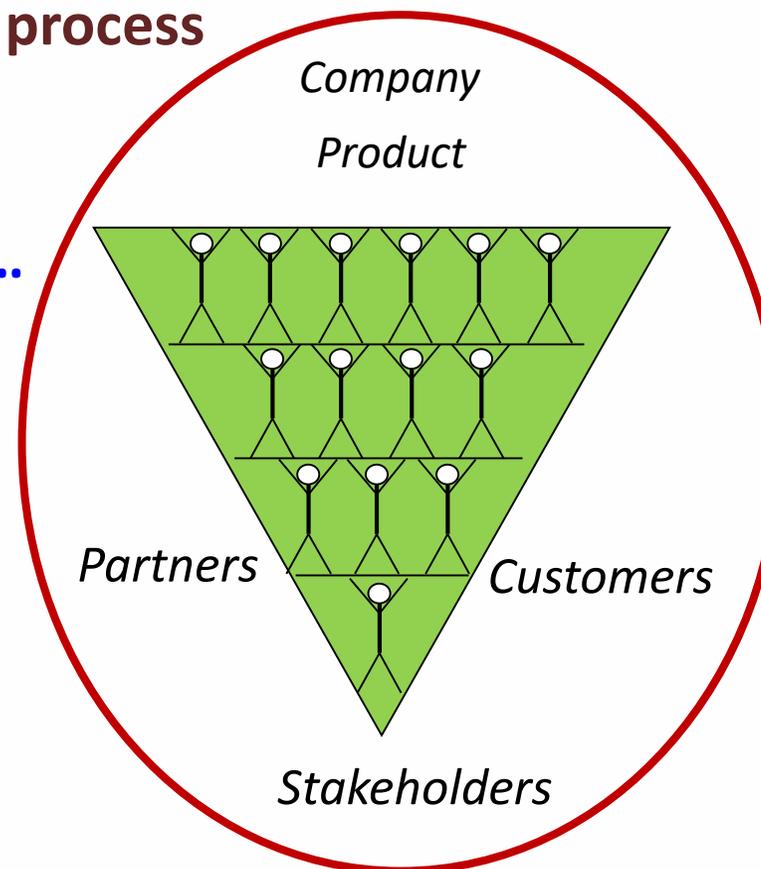
Toyota's Thinking on the Role of Leaders

The person in the process
is in the best position to improve the process

**From
This...**



**To
This...**



'You do not work for me; I work for you!'

Chairman Fujio Cho to TMMK Team



The Hoshin Process

- Long term goals are achieved via a series of 12-month plans
- The Annual Hoshin process reviews the long term goals, adjusts as needed, then sets the next actionable 12 month plan

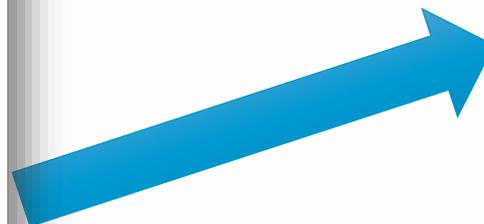
Big GOAL



12 Month Plan

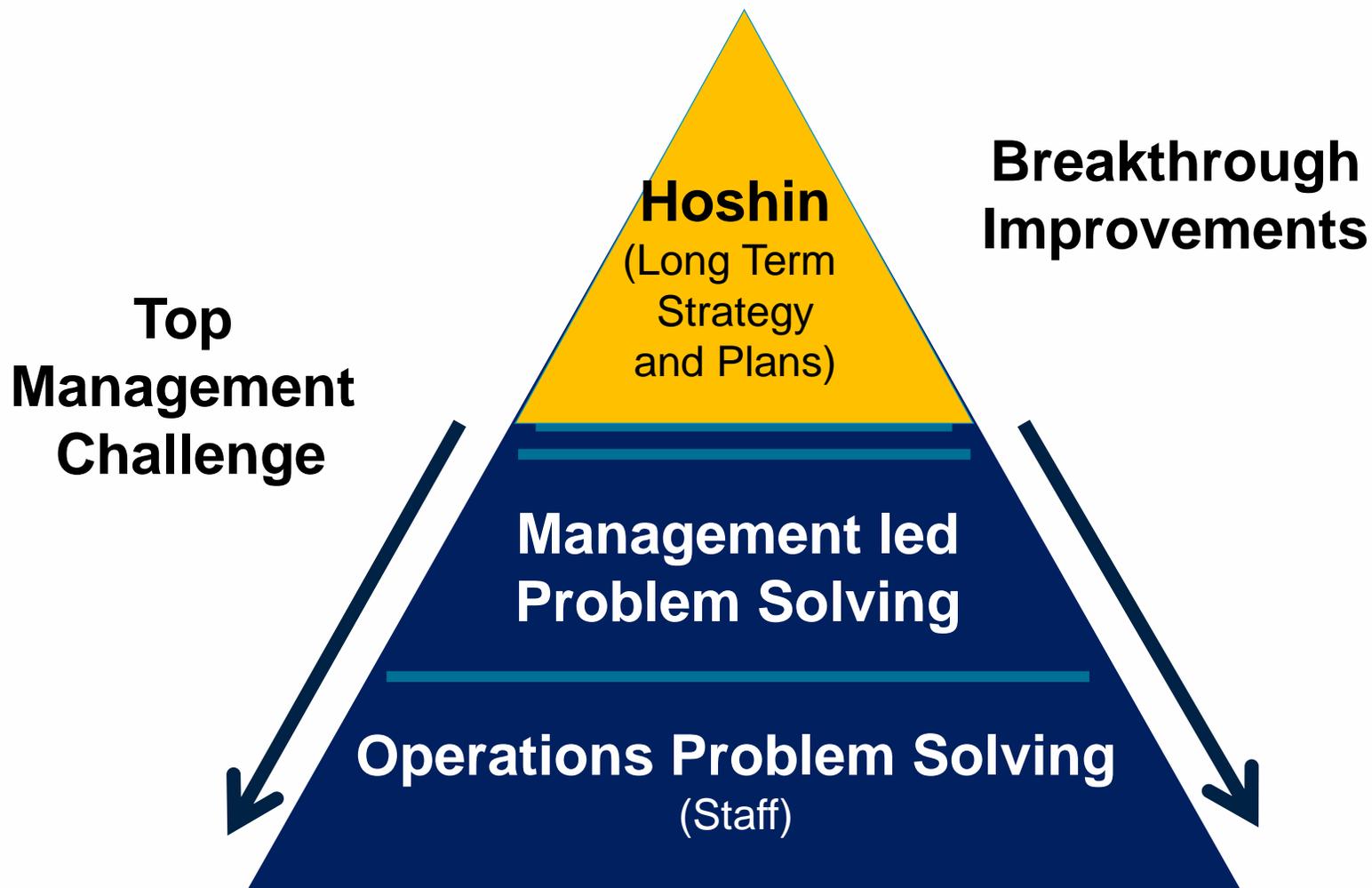
Revision: 1.1 Date: 19/05/2008 May 31 2008

Health Item	Details	Target	PIC	Schedule												Remark	
				Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar		
(1) Create a safe working environment	<ul style="list-style-type: none"> Conduct training on safe working environment Enhance Training for risky & dangerous job Select a special theme that promotes safety culture Communicate themes actively Promote the suggestion system regarding "Near-miss" and select the best ideas and transfer between groups for further development (7M voluntary action) Give official commendations to those that have attained a no accident record 	No Major Accidents	Cytl	○	○	○	○	○	○	○	○	○	○	○	○	○	TMC Support
(2) Provide comfortable working & living conditions for Japanese	<ul style="list-style-type: none"> Identify appropriate housing, cars, medical care Strengthen communication systems Strengthen communication systems Implement TMMG Management Training Obtain the necessary skills required 	No complaints	Cytl	○	○	○	○	○	○	○	○	○	○	○	○	○	
(3) Maintain & Develop a sound Labor-Management Relationship through the Joint Labor-Management Conference	<ul style="list-style-type: none"> System Education Conduct T.JTJ.M Educational training for middle-level managers Conduct a basic education orientation to inform about the fundamental function and use of J.L.M.C Enhancement of cordial relations with personnel. Conduct surveillance 	<ul style="list-style-type: none"> Completion of Education & Training Obtain the necessary skills required Enhancement of cordial relations with personnel. Conduct surveillance 	Cytl	○	○	○	○	○	○	○	○	○	○	○	○	○	
(4) Cultivate and develop the next generation of personnel who will bear the responsibilities for the company	<ul style="list-style-type: none"> Recruit TM, TL, and CL for Ramp Up of Production in 2008 Recruit Admin staff as support for Ramp Up of Production in 2008 Recruit Maintenance Staff for Ramp Up of Production in 2008 Recruit all Production Staff in Skills Training and induce Kuban training 	<ul style="list-style-type: none"> Recruit 100 TM/TL/CL Recruit 10 Admin Staff Recruit 20 Maintenance Staff Completion of Training & Education Acquire the required management skills Introduce & implement management program Improve all aspects 	Cytl	○	○	○	○	○	○	○	○	○	○	○	○	○	TMEM
(5) Visit the Olympics as part of Internal Activity	<ul style="list-style-type: none"> Improve communications and Community Relations by visiting Olympics and supporting Strengthen relations with Japanese counterparts Successfully complete visit 	Successfully accomplish the Theme	Cytl	○	○	○	○	○	○	○	○	○	○	○	○	Government Contacts	
(6) Ensure Competition Benefits and Employee Services are appropriately handled to increase motivation of employees	<ul style="list-style-type: none"> Pay all Salaries on time and according to principle of the work for pay Strengthen attendance control system Strengthen bus services for employees 	No Major complaints	Cytl	○	○	○	○	○	○	○	○	○	○	○	○	Government Contacts	



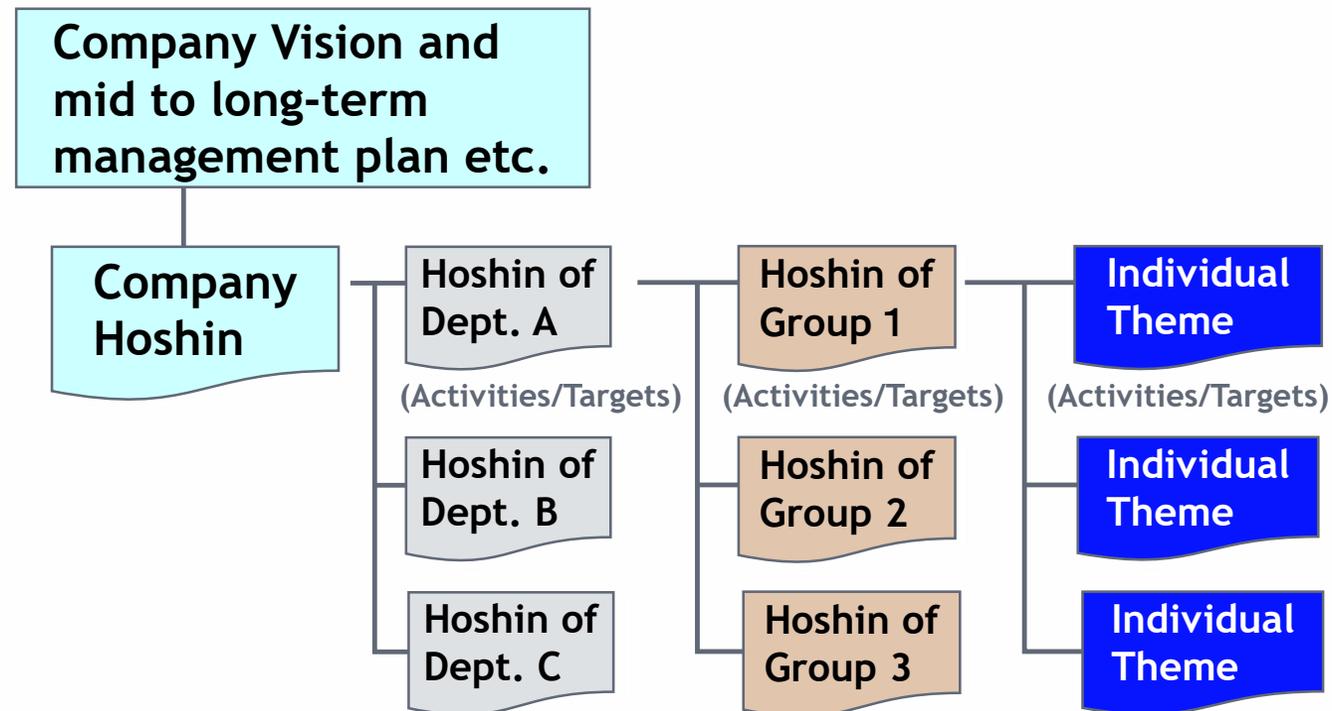


Total Problem Solving Culture



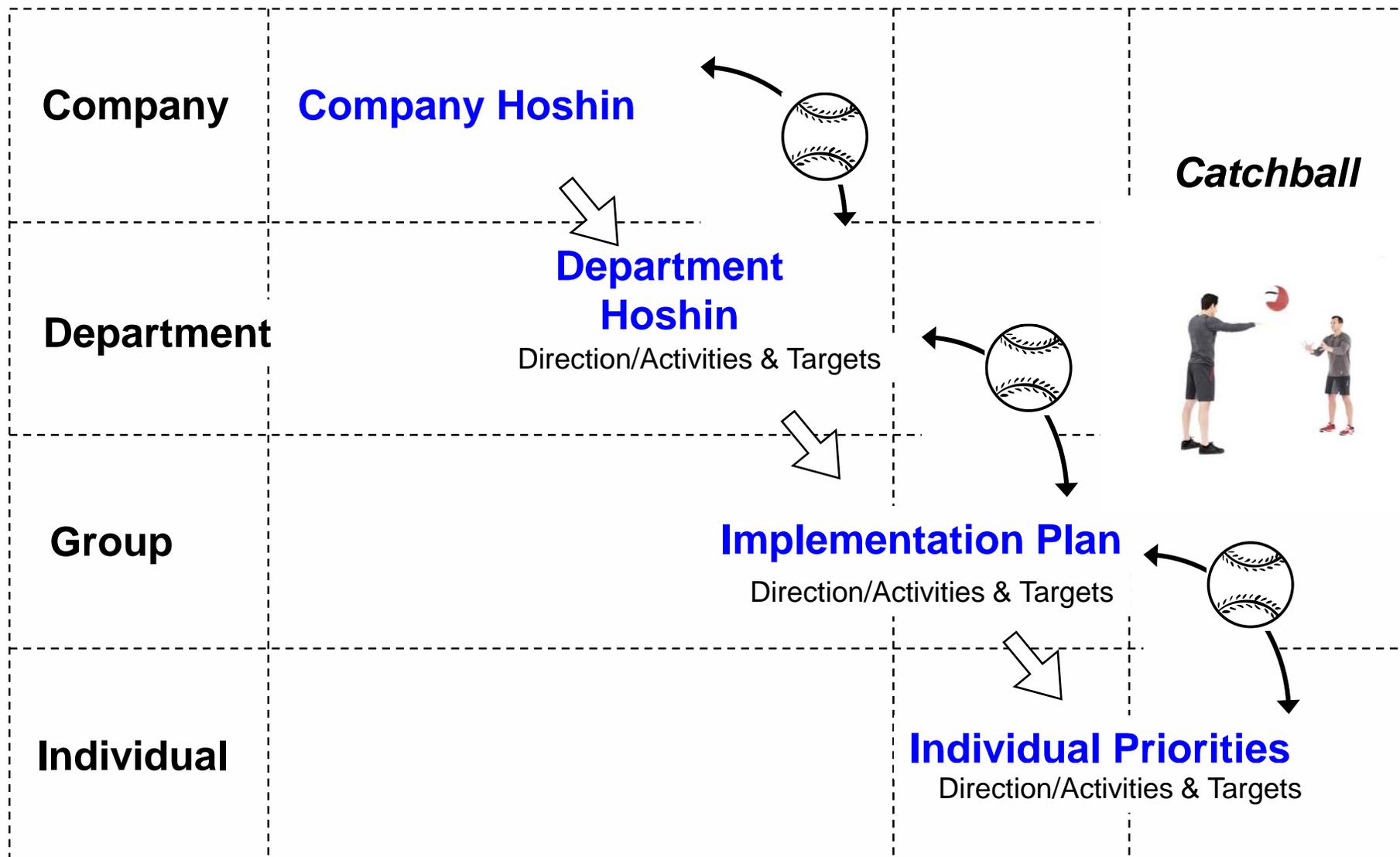


Hoshin Kanri System – Annual Hoshin System



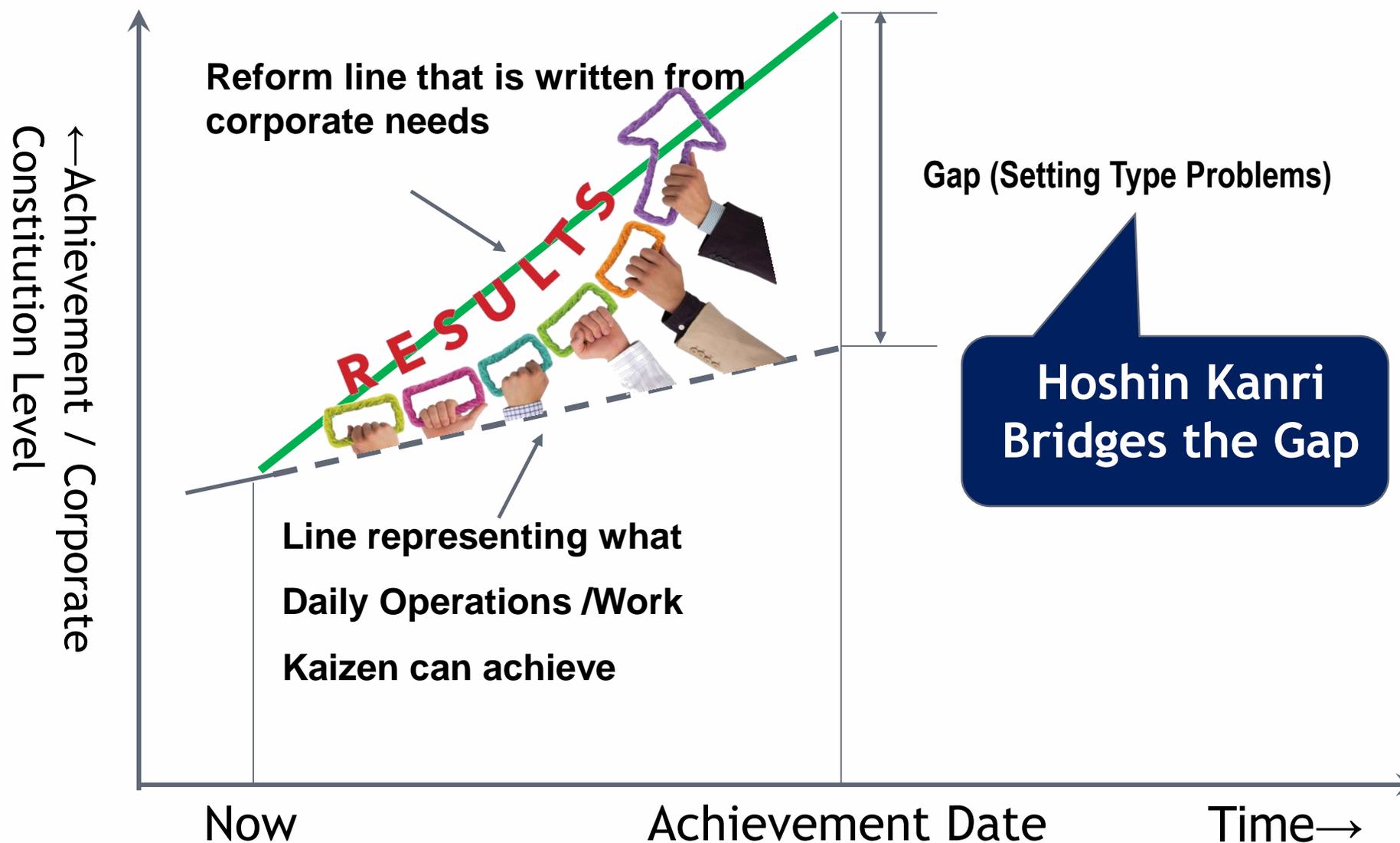


Hoshin Must Incorporate “Catchball” back and forth between the levels?



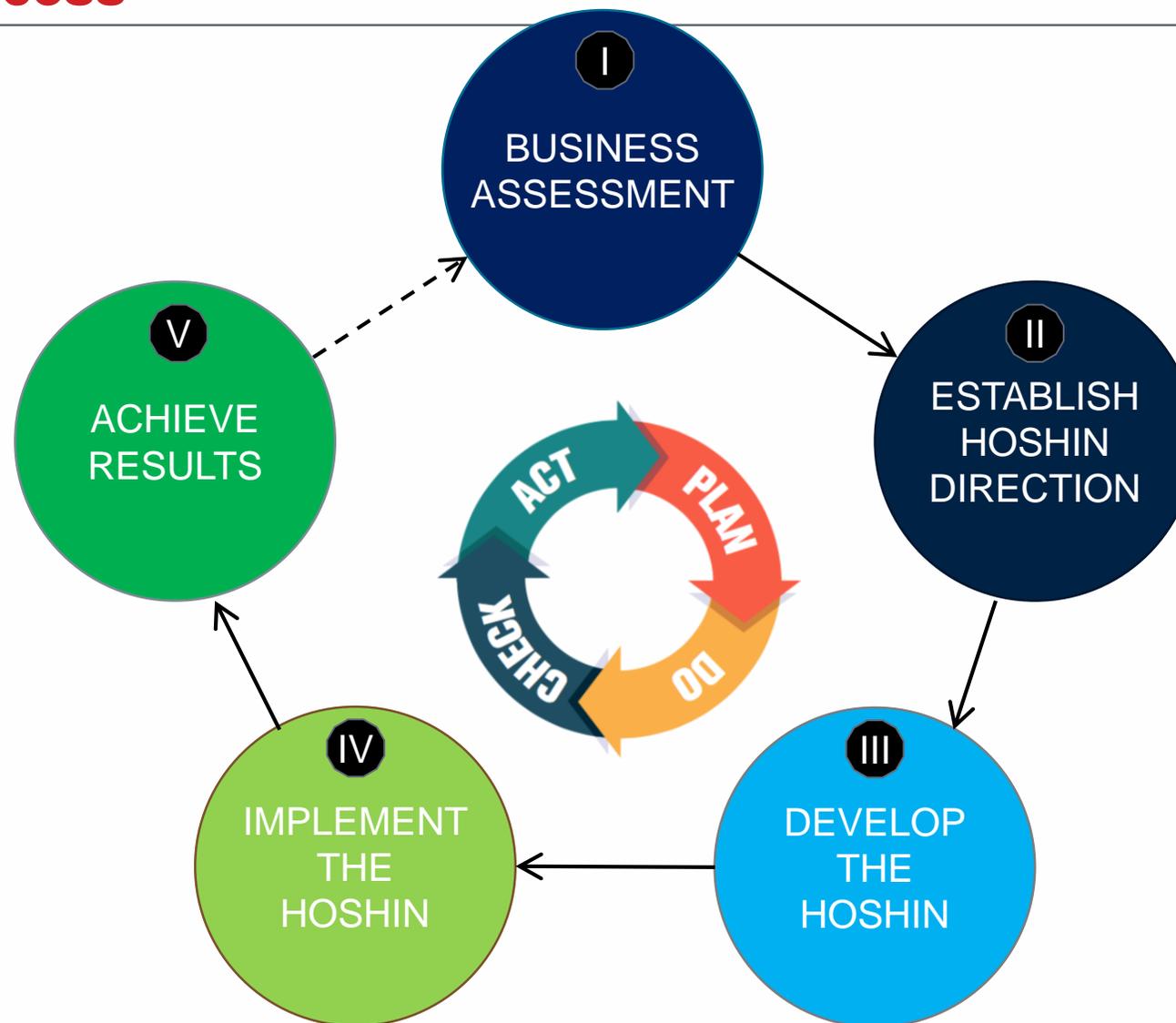


How is Hoshin Different?





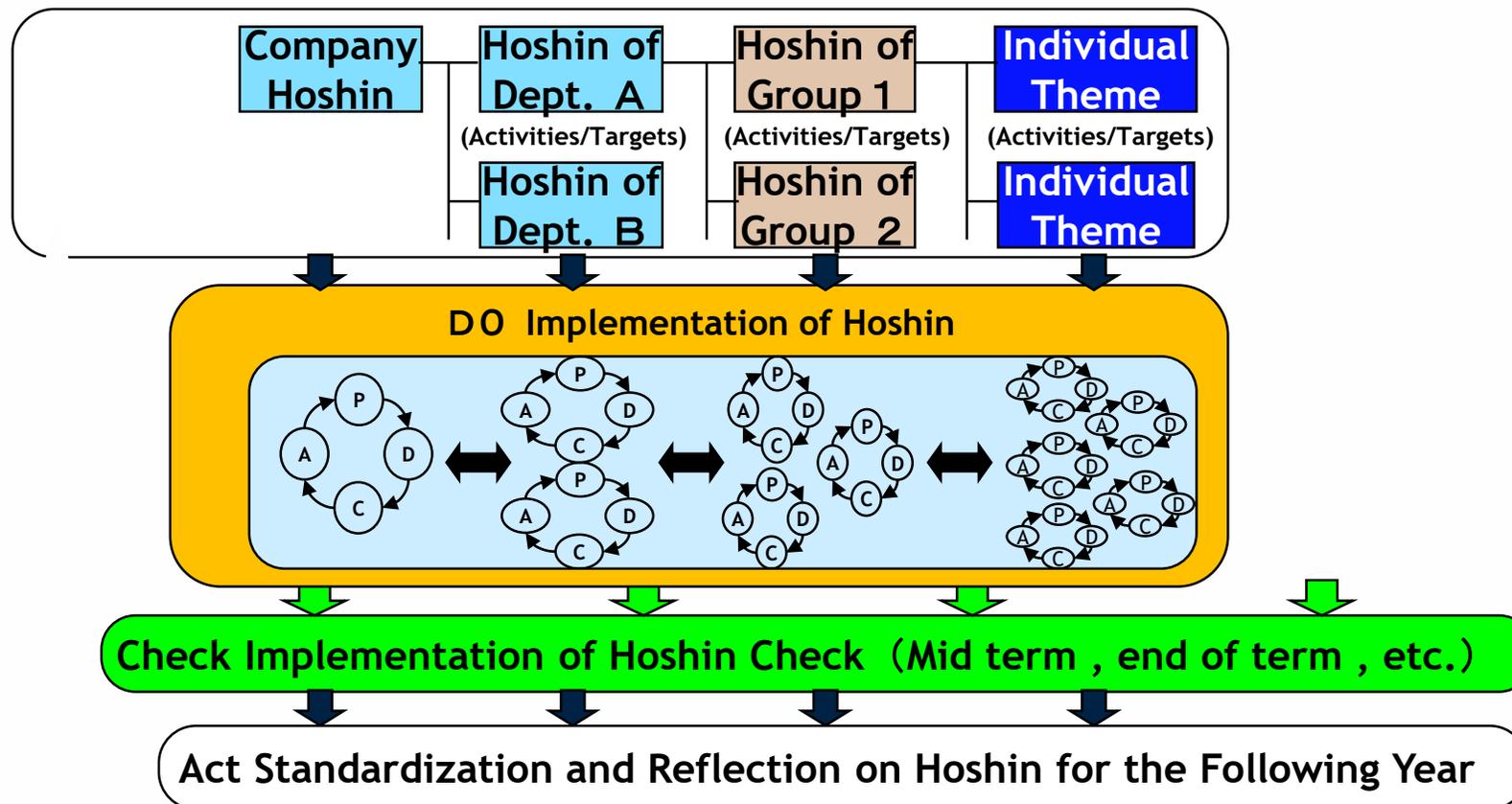
Hoshin Kanri Process





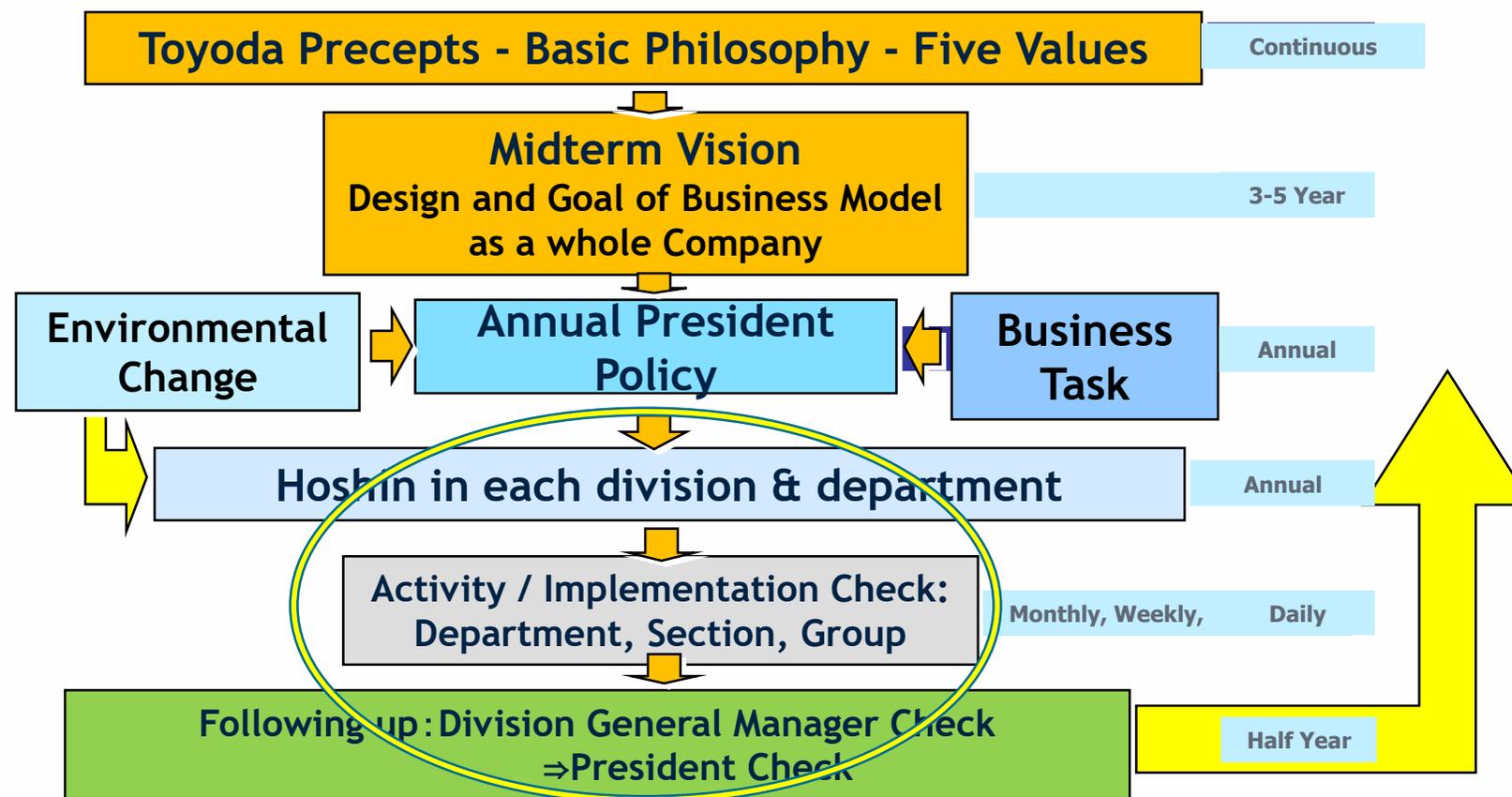
Hoshin Kanri Flow

PLAN
Hoshin Strategies
and Deployment



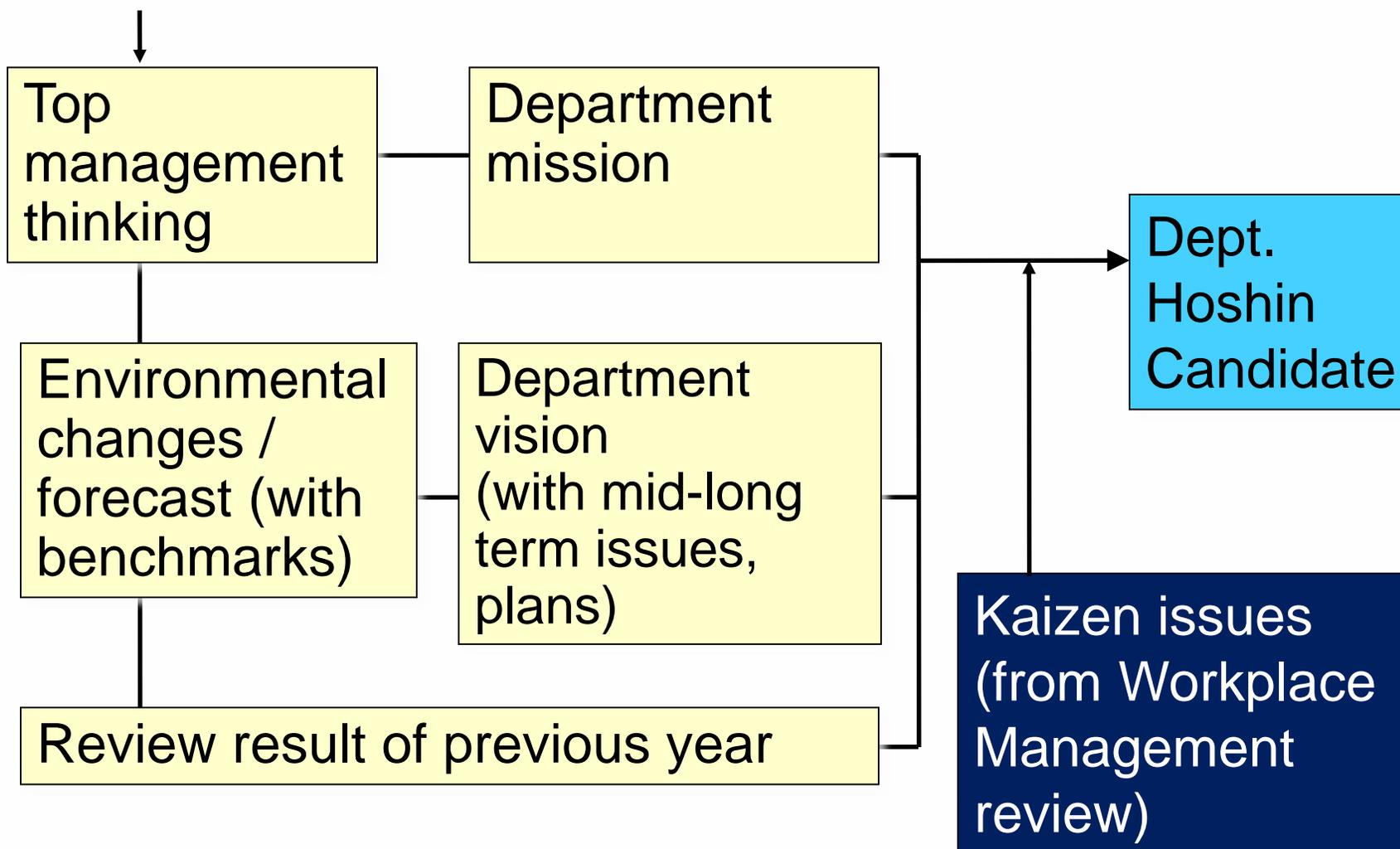


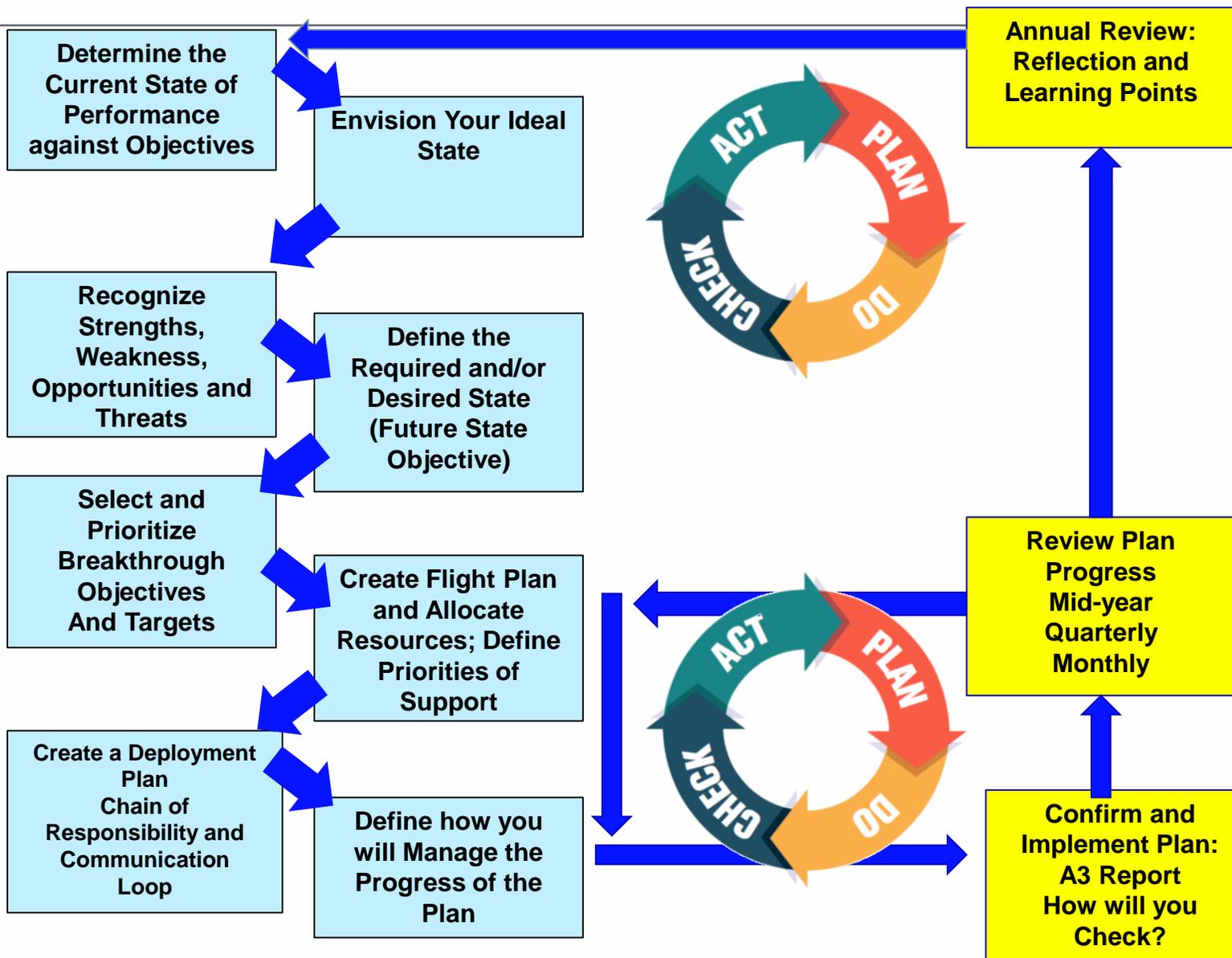
Hoshin Management Flow and Timeline for Planning and Review





Grasping the Current Situation during Problem Identification







SWOT Analysis of Hoshin Missions

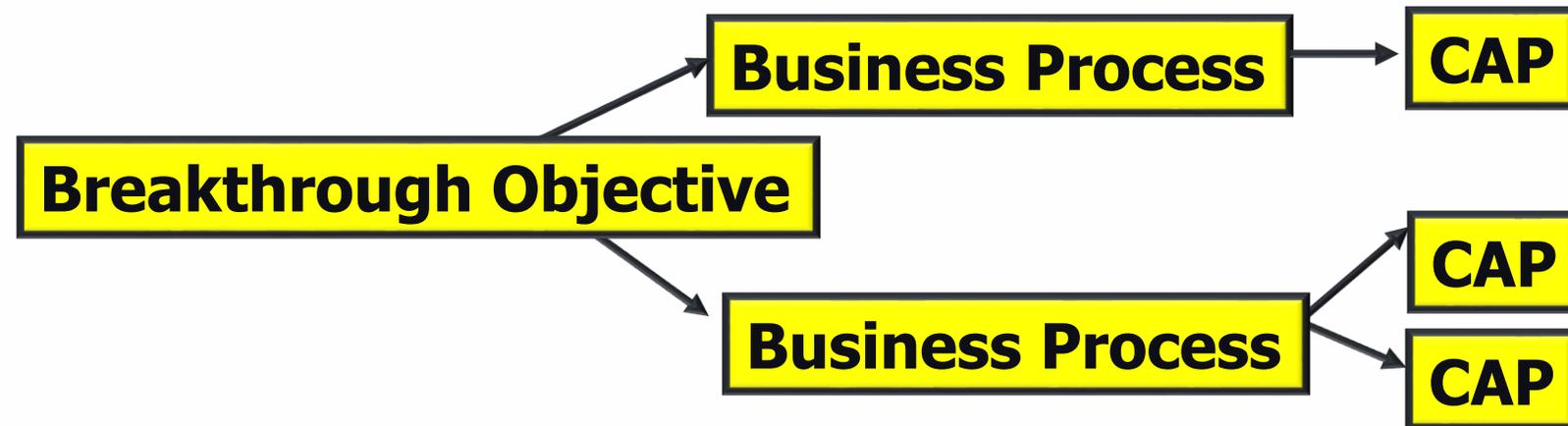
	Helpful to achieving the objective	Harmful to achieving the objective
Internal origin (attributes of the organization)	S Strengths	W Weaknesses
External origin (attributes of the environment)	O Opportunities	T Threats

- **S-O**: Pursue opportunities that are a good fit to your strengths
- **W-O**: Overcome weaknesses to pursue opportunities
- **S-T**: Identify ways to use strengths to reduce vulnerability
- **W-T**: Establish a defensive plan to minimize threats



Critical Annual Priorities

- Which processes will be impacted by the Critical Few?
- What will be changed in these processes to achieve the goals?





**Now, It's Your
Turn**





Example of Hoshin Breakdown





Setting Hoshin Items

Expressions that are easily understood are used for specific procedures.

- (1) Why “Purpose”**
- (2) What “Target Problem”**
- (3) How “Method”**

Example

NG: Enhance the education curriculum for different ranks.

OK: Promote the internalization of shared values (why), by reviewing the education curriculum for different levels (what) based on trainee and management needs (how).



Setting Hoshin Targets

Perspective on Setting Targets

When Issues are solved, exactly how things will be changed should be clarified.

- (1) What “Evaluation Standard /Performance Indicator”
- (2) How Much “Target Level”
- (3) When “Deadline for Accomplishment”

Example of What:

Review education curriculum in order to share values	A. Amount Reviewed B. Trainee Eval. C. Manager Eval.	A. % of Courses Reviewed B. Trainee Survey Eval. Score C. Manager Survey Eval. Score
--	--	--



What Should You Measure? Only the Most Important

1. Define what must we improve
 - **Voice of the Business:** What must we improve for our stakeholders and shareholders? Are we part of the growth plan for the organization?
 - **Voice of the External Customer:** If we had your Top 5 Customers here, right now, what would they say you need to improve to gain more of their business? How would they measure these improvements?
 - **Voice of our Operation:** People, Processes, Performance?
2. Set Targets “State what you really need to accomplish without prejudice”
3. Prioritize Measures: Top Five/Hot Five:

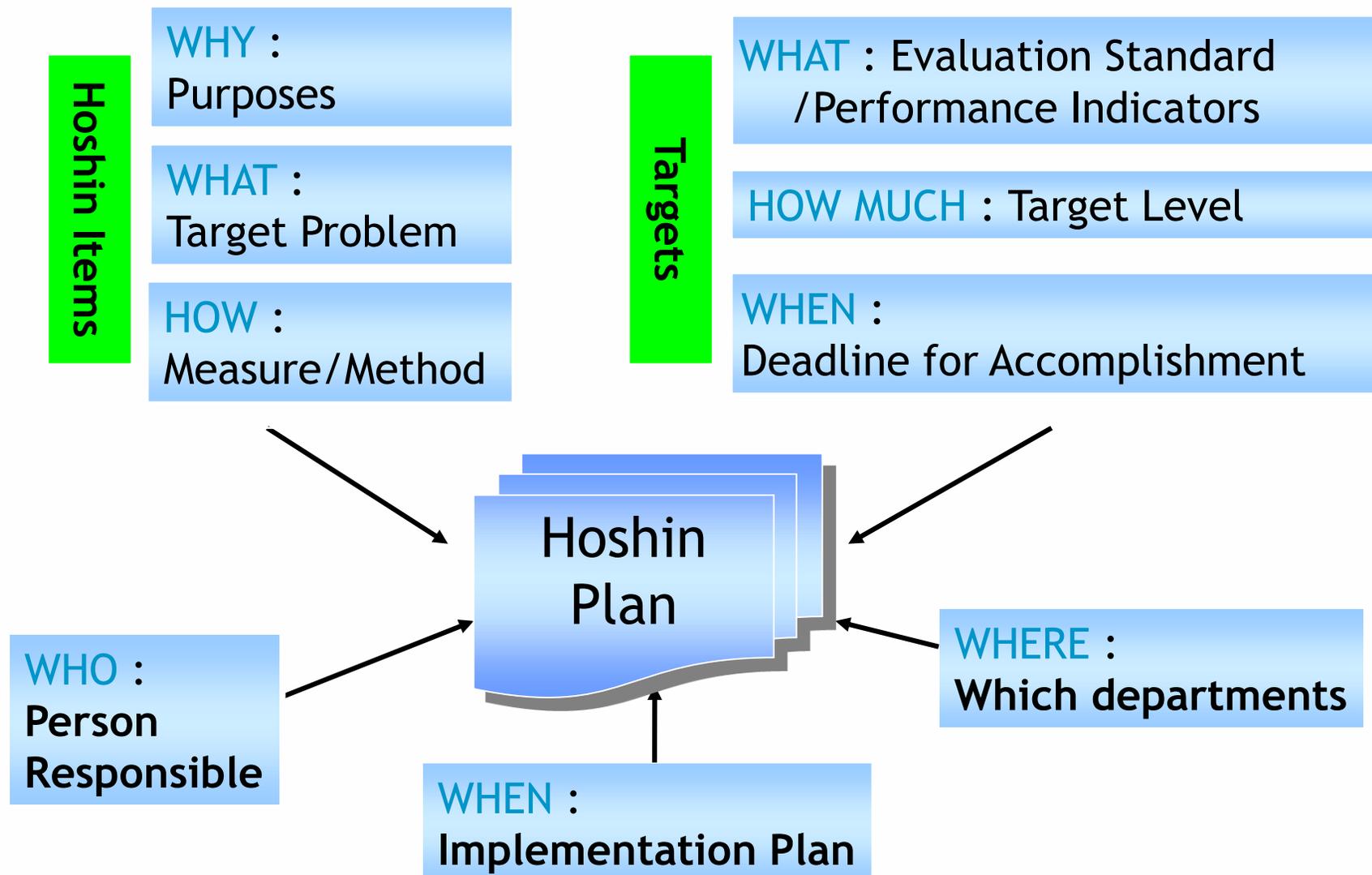
“If you fail these measures, will you will be fired?”

-Takashi Tanaka

4. Catch-ball – Determine who will lead. Ask: How can we? What can we do?
5. Check alignment: Tie in Company Hoshin to Plant Hoshin to Shop-floor
Hoshin: Set SQDCP-HRD KPI
6. Manage Progress: How will you check and mentor? How often?



Hoshin Planning





Example of a Hoshin Plan

Example of Hoshin Plan

T Company Personnel Division Education Group Hoshin

Associated Top Management Thinking, Division Missions, Visions, etc.	Hoshin	Targets	Implementation Plan	Officers in Charge	Associated Organizations
<ul style="list-style-type: none"> Enhance value sharing and problem solving capability① Need for providing a more efficient and effective education curriculum based on the education framework② Personnel Division Vision: "Developing personnel strategies in which diverse human resources that possess shared enterprise guiding principles and values can play an active part globally."⑥ 	<p>1. In order to promote the internalization of values that must be shared, a review based on the needs of trainees and management-class is made on the curriculum for each rank.</p>	<p>1. Review implementation rate: Above 50 %</p> <p>2. Trainee evaluation score for the new curriculum on average: Above 80%</p> <p>3. Management-class evaluation score for the new curriculum: Average of over 80%</p>		<p>← ● Intra Group Progress Meeting</p> <p>Beppu, Takizawa, Ushida, Hongo</p>	<p>Corporate Management Planning Division</p> <p>Personnel Planning Group</p> <p>External Consultants</p>
<ul style="list-style-type: none"> Need for providing a more efficient and effective education curriculum based on the education framework② Environment Change = IT Promotion⑤ Increase work efficiency due to work load increase⑧ Increase knowledge on education method that utilizes IT technology⑩ 	<p>2. In order to conduct a more efficient and effective education, the manhours needed to implement the education curriculum is reduced through the utilization of IT technology.</p>	<p>1. New implementation of education curriculum that utilizes IT: Over 5 subjects</p> <p>2. Trainee evaluation score for the new IT program: Average of over 80%</p> <p>3. Management-class evaluation score for the new IT program: Average of over 80%</p> <p>4. Reduction rate of implementation manhour due to the introduction of a relevant IT enhancement program: Over 30%</p>		<p>← ● Implementation of Intra Group Progress Meeting</p> <p>Horio, Yuzawa, Shiba, Abiru</p>	<p>Corporate Management Planning Division</p> <p>IT Promotion Division</p> <p>External Server Providers</p>
The Rest is Omitted					



EX. Hoshin A3 to Improve Productivity for Mold Dept.

The TICO Business Practices Proposal Sheet

Background
Plant 2 Mold Film Form Process cannot achieve the takt time of 611 seconds per mold, resulting in missed production targets.

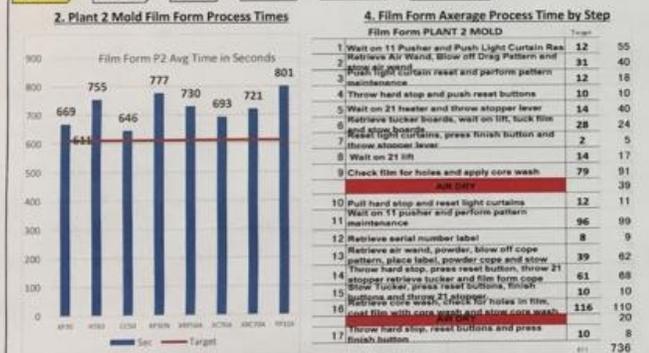
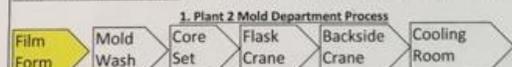
1. Clarify the Problem
Goal: Plant 2 Mold Film Form Process to achieve takt time of 611 seconds per mold

Ideal Situation: Plant 2 Mold Film Form Process achieves the target Takt Time of **611 seconds** per mold by **1 June 2018**.

Problem: The Plant 2 Mold Film Form Process is working 113 seconds longer than the target **TAKT TIME of 611 Seconds**

Current Situation: Plant 2 Mold Film Form Process average takt time is **736 seconds** per mold as of **1 April 2018**.

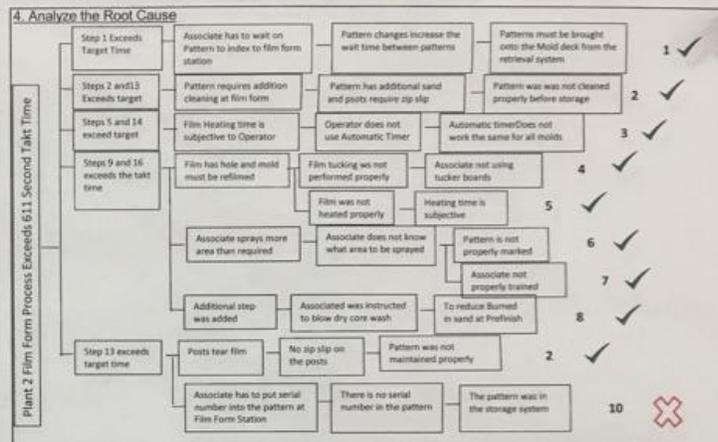
2. Break Down the Problem Plant 2 Mold Film Form Process exceeds the target Takt Time of 611 Sec



Prioritized Problem Point of Occurrence
Plant 2 Mold Film Form process time exceeds the Takt Time. Using the Yamazumi Chart and the average time per step in the process we will analyze and develop countermeasures to address the issues.

3. Set a Target
Reducing the Plant 2 Film Form Average Process time **113 seconds** per mold would result in a **15%** increase in production.

Plant 2 Mold Department Increase Production



5. Develop Countermeasure ☆ ○ △ X A=9pts or above B=8pts C=7pts D=6 pts or below

Impact is double points 3 pts 2 pts 1pt 0pts

Root Cause	Countermeasure	Yamag	Coar	Risk	Target	Grade	Reviewed
1	Reduce the number of pattern changes	☆☆	☆☆	☆☆	12	A	✓
2	Train associates on proper cleaning of pattern	☆☆	☆☆	☆☆	12	A	✓
3	Complete time study of required film heating time	☆☆	☆☆	☆☆	12	A	✓
4	Verify proper tucker boards are available	☆☆	☆☆	☆☆	12	A	✓
5	Verify 21 heater is working properly	☆☆	☆☆	☆☆	11	A	✓
6	Audit Patterns are properly marked	☆☆	☆☆	☆☆	12	A	✓
7	Verify snow core wash in marked areas only	☆☆	☆☆	☆☆	12	A	✓
8	Do not use air wand to dry core wash at film form	☆☆	☆☆	☆☆	11	A	✓

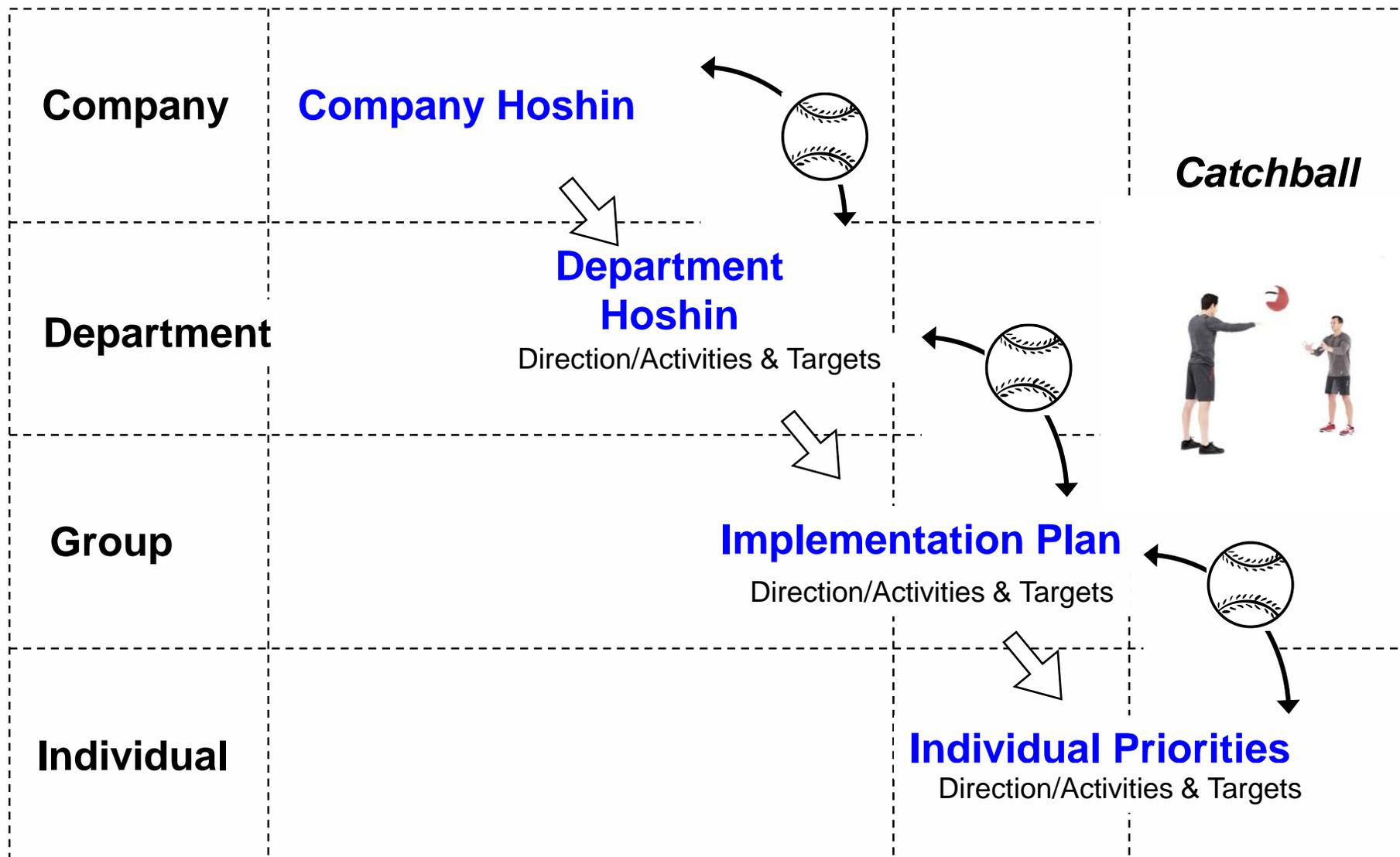
< Action Plan (Summary) > ⇒ For details, please see the Action Plan Sheet

Countermeasure	Action List	Responsible	Apr	May	Jun
8	Trial, verify outcome, implement process	B Tidd	✓	→	Pending CW Trial
3	Film Heating Time Study	B Tidd	→	→	Complete 5/11/18
5	21 Heater and Lift are working properly	Maint	→	→	Complete 4/18/18
2	Pattern cleaning	Prod	→	→	Complete 4/11/18
4	Tucker Boards	Prod	→	→	Complete 4/11/18
6	Pattern marking complete	B Tidd	→	→	Complete 4/11/18
7	Verify spraying only marked areas	B Tidd	→	→	Complete 4/11/18
	Spray Core wash at mold wash station	B Tidd	→	→	
	Film Heating Timer	Maint	→	→	

(Your Name) Bradley Tidd (Your Boss) Tom Hashimoto



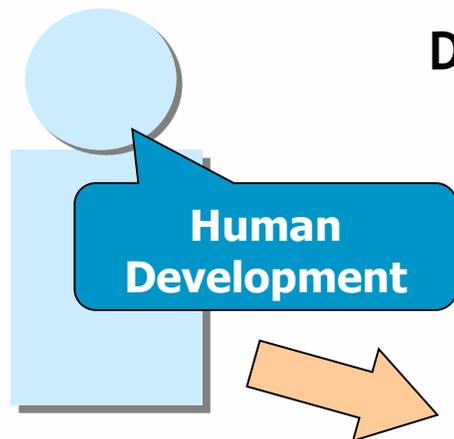
Hoshin Must Incorporate “Catchball” back and forth between the levels?





Beware of “Tunnel” Management

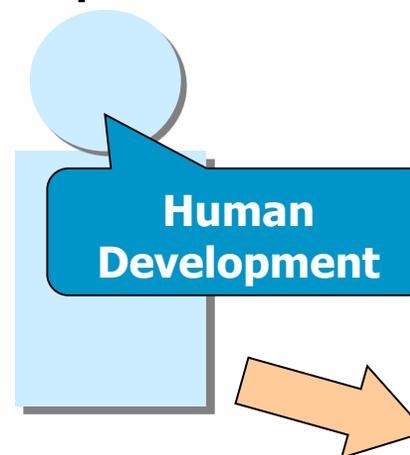
Company Hoshin



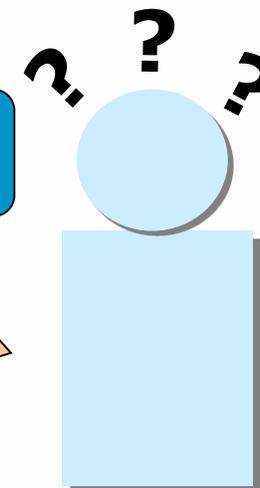
Department Hoshin



Group Hoshin



Individual



There is a danger that orders will just be passed on down the line without any idea for specific actions.



The Purpose of Hoshin Checks

Purposes of Checks:

- To turn over the Kanri Wheel (PDCA)
 - Make Corrections on the Implementation Plan for each Theme and Set New Action Plan.
 - Grasp Kaizen Issues at the Management level that include Establishment of Hoshin and Deployment Methods

Check Points:

- Check not only results, but also processes.
- Check not only implementation processes for each theme, but also Workplace Management processes.



Rapidly Turning Over The Check Cycle

Rapidly turning over the check cycle and immediately taking Action is Important

Check Results

Check results on Monthly, Quarterly, Half Yearly, Yearly for company and department

+

Process Management (Action)

	Day	Week	Month	6 months	Year
Company			○	○	○
Department		○	○		
Group	○	○	○		
Individual	○	○	○		

- Grasping the gap between the daily plan and actual performance
- Analyzing the gap causes and clarification of actions to be taken the following day



Visual Management for Hoshin Check

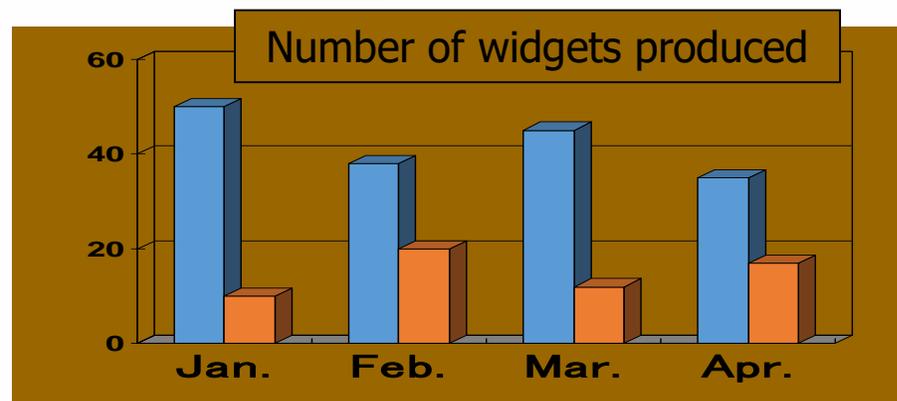
Visualization of progress situation

Awareness sharing of issues

Quick action

Example of Visual Management

1. Numerical presentation
2. Numerical data compiled into graphs.
3. Qualitative data color coded and progress evaluated



Progress	study	start	check	confirm	delay
Sticker	● (Yellow)	● (Green)	● (Blue)	● (Red)	● (Red)

Theme	PIC	April	May	June
Multi-processing through the creation of widget processing jig	Tim			
		● (Yellow)	● (Green)	● (Blue)



Hoshin Evaluation Format

Division / Department _____
 Signature / Date (VP) _____
 GM _____
 Mgr _____

HOSHIN REVIEW

Reference		Objective	Implementation Plan	Responsibility	Target	Related Areas	Evaluation	Results/Highlighted Activity	Reflection/Action Plan
Co.	Div.								

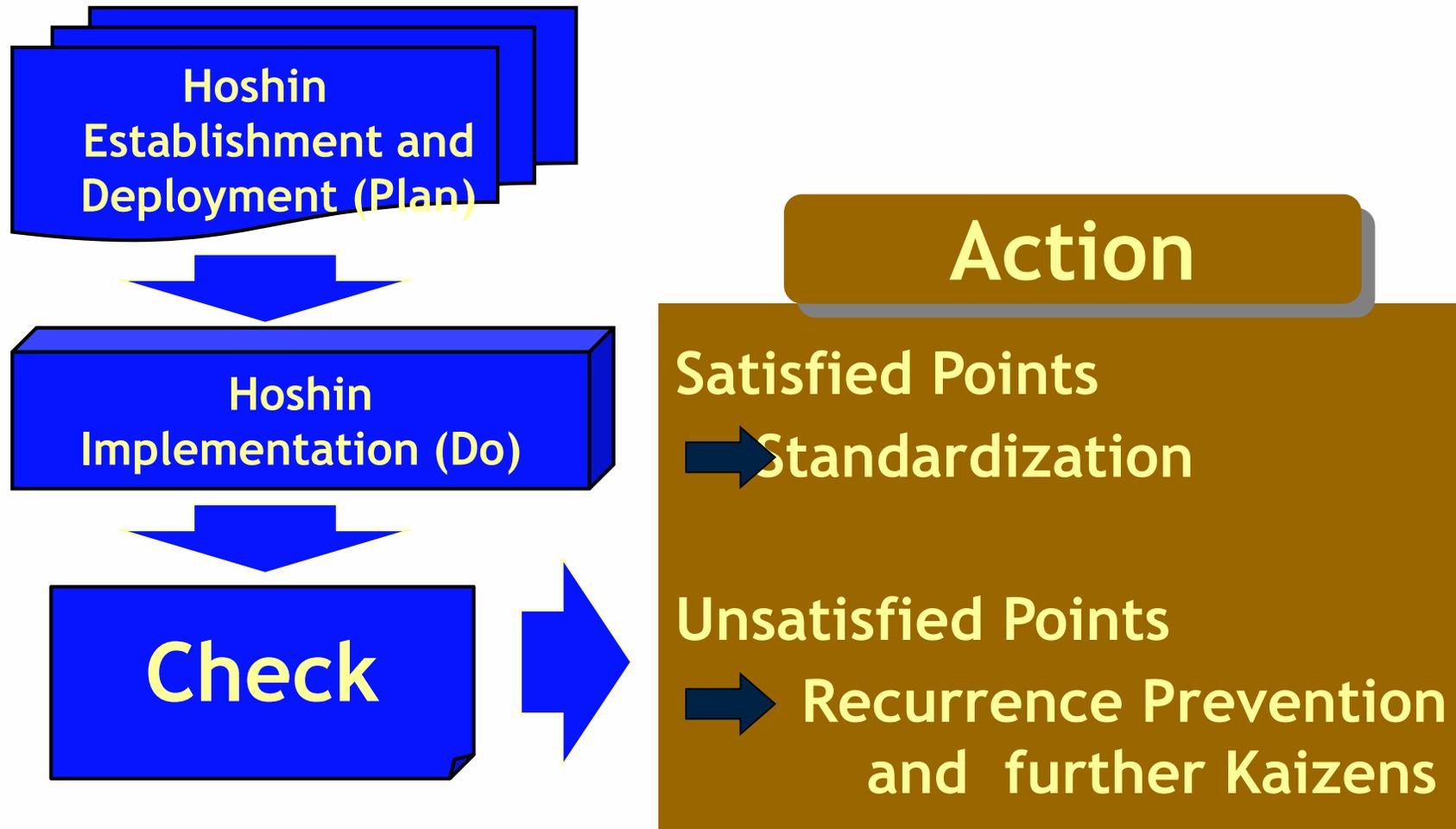


Ex. Department Hoshin in Support of Company Hoshin

Authorized By Mr. E. G. ... SVP		Maintenance Department/Section Hoshin Initial/Mid/Final Review for the year 2012-13.										Prep. By (Owner) ... Date: 28 Oct 2012				
<Optional>																
Upper Level Hoshin Ref.	AP#1 Ref No.	AP #1 (Hoshin) / Prioritized Theme	Ap #1 Level (2015)	'12-'13 Target	Result KPI	Current Actual	Evaluation	Current Progress Status	Target	Process KPI	Current Actual	Evaluation	Future Actions	What	When	Who
1	Safe and Speedy repair	Safety Consciousness improvement by • (1) 5 min KY activity & small group activity. • (2) Improve safety condition.	Zero Incidents	Zero Accidents	Accidents data (MNT)	Master ON condition - 2 member Repair work C/M - Implemented rule for 1) Two member working & 2) Safety switch bypass.	△	(1) 5 min KY Activity On going. (2) Unsafe Condition listing completed, C/M Under Progress for Heavy object lifting	1) 100% 2) As per Schedule	5 Min KY % Compliance	60 (B/D MNT), 60 (Planned MNT)	△	(1) Prioritize 5 min KY item (Planned and B/D) - Target - One 5 min KY/Day (2) Prioritize Stop 4 (A, B, D, E) in unsafe condition and follow up C/M. Motivation Up by appreciation of Best MNT man in Safety	(1) Nov 2012 (2) Mar 2013	DM	
		4S Improvement by Land Lord concept. • ("My work clean work, My area clean area")	Level 5 (4S shitsuke sheet)	Level 3	TM: 3.7, 3U: 3	△	1. Landlord concept established 2. Daily 4S audit abnormality with GL & DM by Mgr	4S-Level 3	5 Min KY % Compliance	60 (B/D MNT), 60 (Planned MNT)	X	(1) Relay out Mnt Dept in 3 unit to Improve 4S and set base for Semmon Hozen activity. (2) Level Up 4S through weekly C/M follow up. Motivation Up by appreciation of Best MNT man in 4S	Jan-13	Mgr		
		Establish standardized work for repair activities through Maintenance skill training.	MTTR < 30 Min (Global Target)	MTTR < 30 Min	MTR: 40, 45, 50, 55, 60, 65, 70, 75, 80, 85, 90, 95, 100. Spare: 58%, 59%, 60%, 61%, 62%, 63%, 64%, 65%, 66%, 67%, 68%, 69%, 70%, 71%, 72%, 73%, 74%, 75%, 76%, 77%, 78%, 79%, 80%. Mnt Skill: 37%, 38%, 39%, 40%, 41%, 42%, 43%, 44%, 45%, 46%, 47%, 48%, 49%, 50%.	△	(1) Maintenance skill training - Rescheduled due to ATIA trg. (2) Standardization for belt change completed in Transmission. (3) FTA Trg material Development completed.	100% as per plan	Skill Training progress status	78 (FST-ELECT), 71 (FST-MECH), 30 (MNT-SKILL)	△	(1) Prioritize and update the Contents of Skill training based on Major breakdown report / GL board review. (2) Specialist development utilizing Model machine (M/Cing centre) as per AP # 1 schedule.	Dec-12	DM		
2	Prev. MNT & Recurr. Prev	Establishing strong foundation for Ownership Maintenance	MTBF > 1000 hrs	MTBF > 500 Hrs	MTBF in Hrs	X	1) Deep cleaning and MNT ledger ongoing. 2) My cell / Line. Re enforcement started through TM involvement in weekly review.	No. of machines 3U - 125, TM - 67	1) ON activity 2) All member Participation - My cell Activity	Red Tag In Numbers: 3U: 2960, 2835, 125; TM: 859, 796, 67, 62. MNT Ledger: Number of m/c: 125, 119.	O	(1) Development of OM Dojo & strengthen Red to white conversion activity. (2) Prioritize My cell for Critical Process. (3) Model 4S activity in A line	Feb-12	DM		
		Worst (Top) 10 breakdown countermeasures by • (1) TBP and • (2) Process problem solving steps (FTA - for five theme)	Major B/D Numbers < 9 / Month	same as AP #1	Major Breakdown	△	1) Worst 10 B/D Activity - Under progress (Activity started in July 2012)	3 A3 / Month	Number of Chronic problem solved / A3	Identified: 9, 6, 3, 1. R/L Level: 9, 8, 1. Mgr level: 9, 8, 1. DGM level: 9, 8, 1.	△	(1) Follow up through weekly review for worst 10 B/D and revise PM activity. (2) Pursue the concept of common support group to synergize effectiveness. Root Cause for low speed: Low Process knowledge and skill	Dec-12	1) Mgr 2) DGM		
2	Safe and Speedy repair	Spare parts • (1) Optimization thro Comzonization • (2) Localization	3.2% of Investment	Ultimate Target - Zero line stop Target < 0.5 hrs/day	Line stop due to Non availability of Spare parts	△	(1) Comzonization Activity - Trial completed. (2) Localization of wear parts / Fixture parts under Progress.	CTM CR Target Rs 29 Mio	Spare Parts Status (In Numbers)	CTM: 450, RTM: 292. Sourcing: 292, From: 34. Parts received: 34.	O	(1) Yokoten Localization activity to RTM. (2) Improve system of ordering and visualization of new spare parts.	Jan-12	DM		
3	Prev. MNT & Recurr. Prev	(1) Establish relationship and network within Toyota India group (2) Development of system and structure for TKAP machine tool supplier association	Not applicable	100% As per schedule	Activity yet to start. Rescheduled due to Prioritization to spare parts Localization activity. 2) Draft Concept Paper prepared for TKAP Machine tool association to be discussed further	X	(1) Preliminary Discussion with TKM started. (2) Monthly Meeting with PE On going.	5 Meetings	2) 4 Meetings with PE - New Machine spare parts identification Process level Up	X	(1) Reschedule the activity (2) Continue the monthly Interaction with PE.	Dec 2012	DGM			
2	Management	Senmon Hozen Activity	Gold	Bronze	TM: 23, 3U: 8	△	Evaluation completed and Kadai are identified. Activity under progress with dedicated Manpower in T/M Unit	The Main Gap is observed in Safe and speedy repair. 1) Spare Parts control Management system MNT Skills visualization. 2) 3 Unit just started the activity	(1) T/M unit - Improve the communication to Involve All member. (2) 3 Unit - Identify dedicated Manpower in 3 units to speed Up the actions	Nov-12	Mgr					
1		Motivation level Up through appreciative work environment.		Participation level 100%	Item: QCC, Hiyari, 5 Min KY. T/M, 3U, E/G.	△	1) Member Participation in QCC is observed 100% - > Good improvement	Theme Completion in 1st Cycle	QCC Progress Status (3rd Cycle)	RTM: 100%, CTM: 100%, 3U: 100%, E/G: 100%	O	(1) QCC Continue to support 2nd cycle. (2) HH - Segregate into hard and soft C/M & Communicate (3) Follow up on 5 Min KY	Continous	DM		

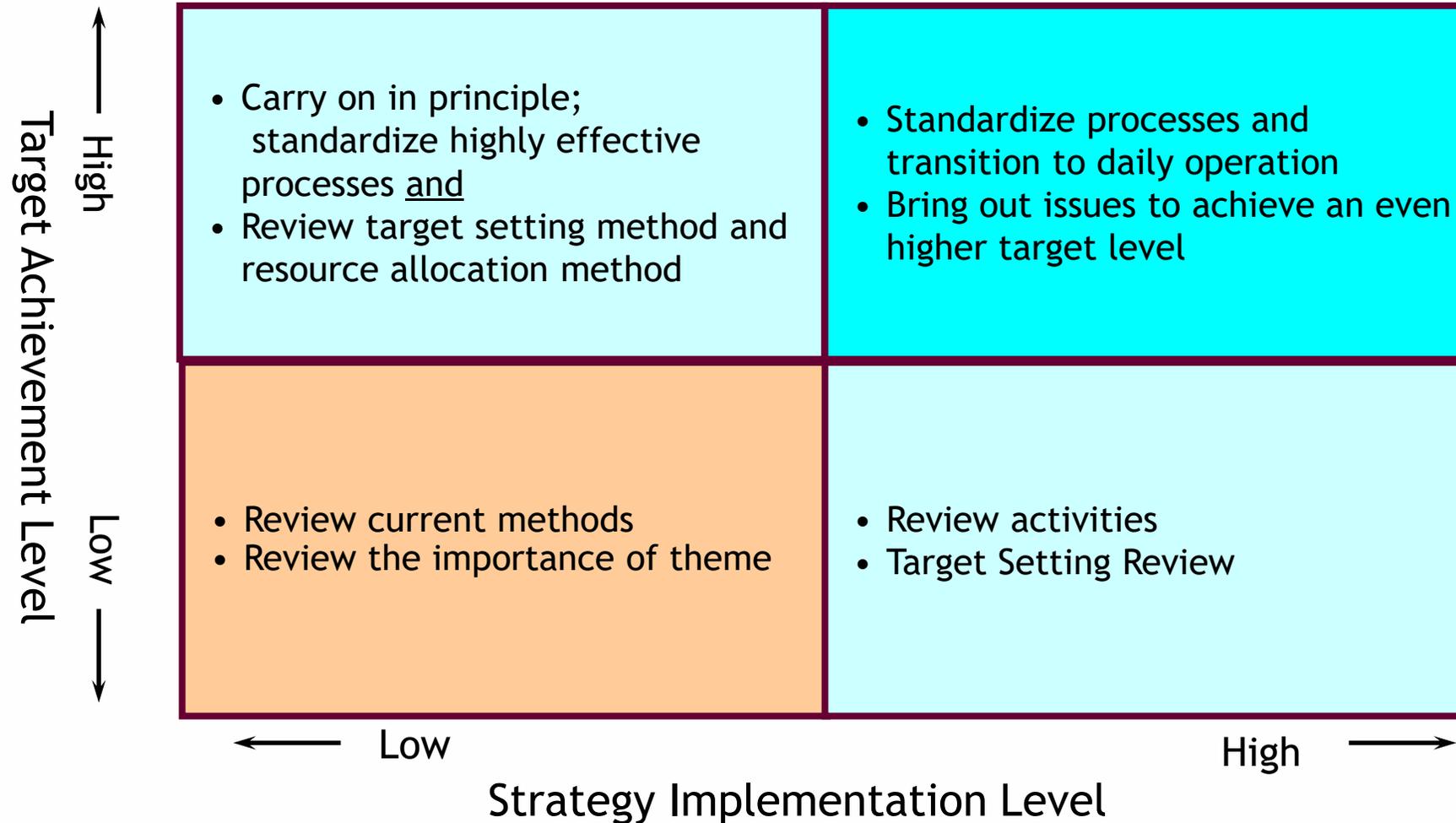


Things to Keep in Mind about Actions



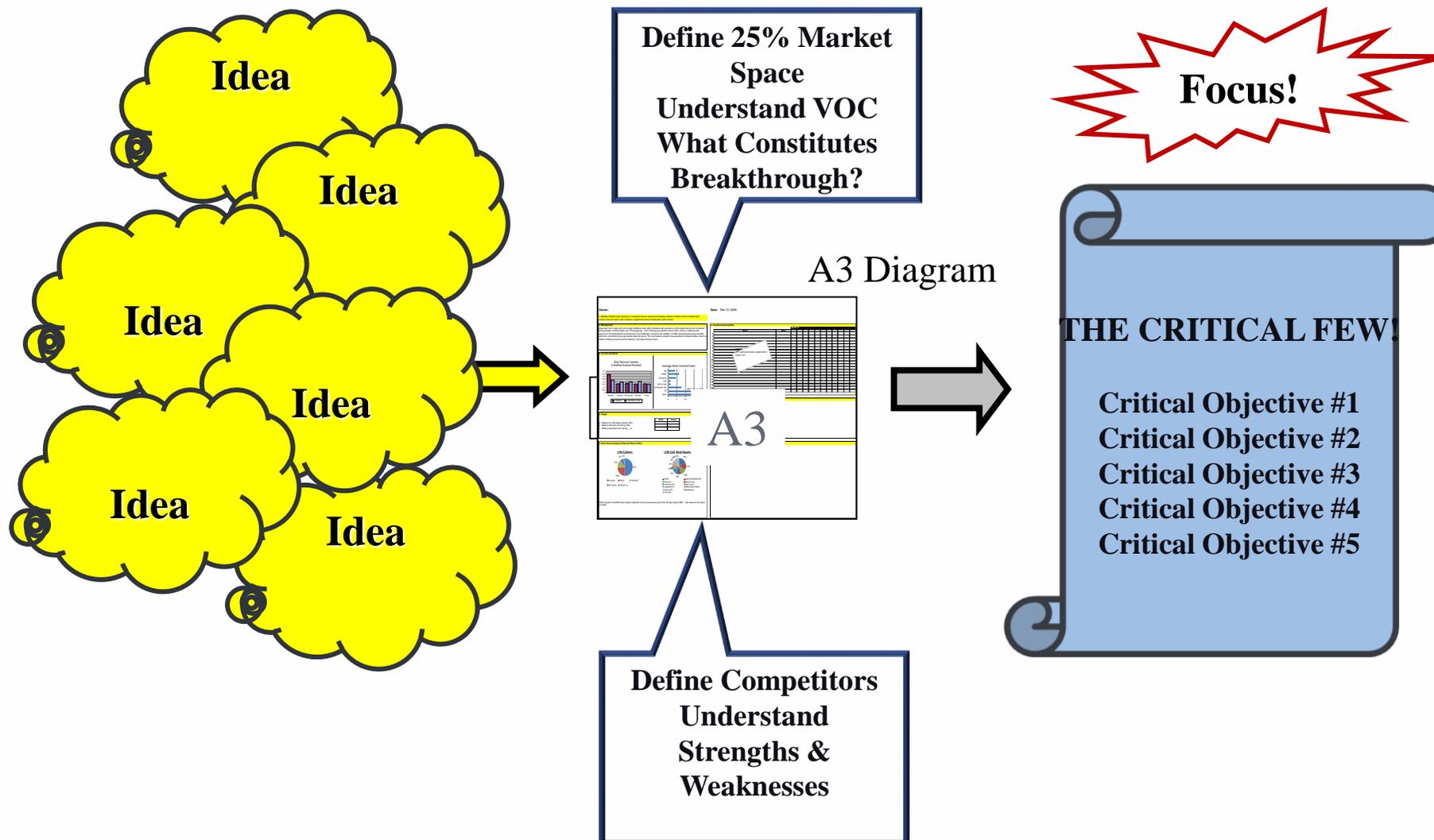


Orientation



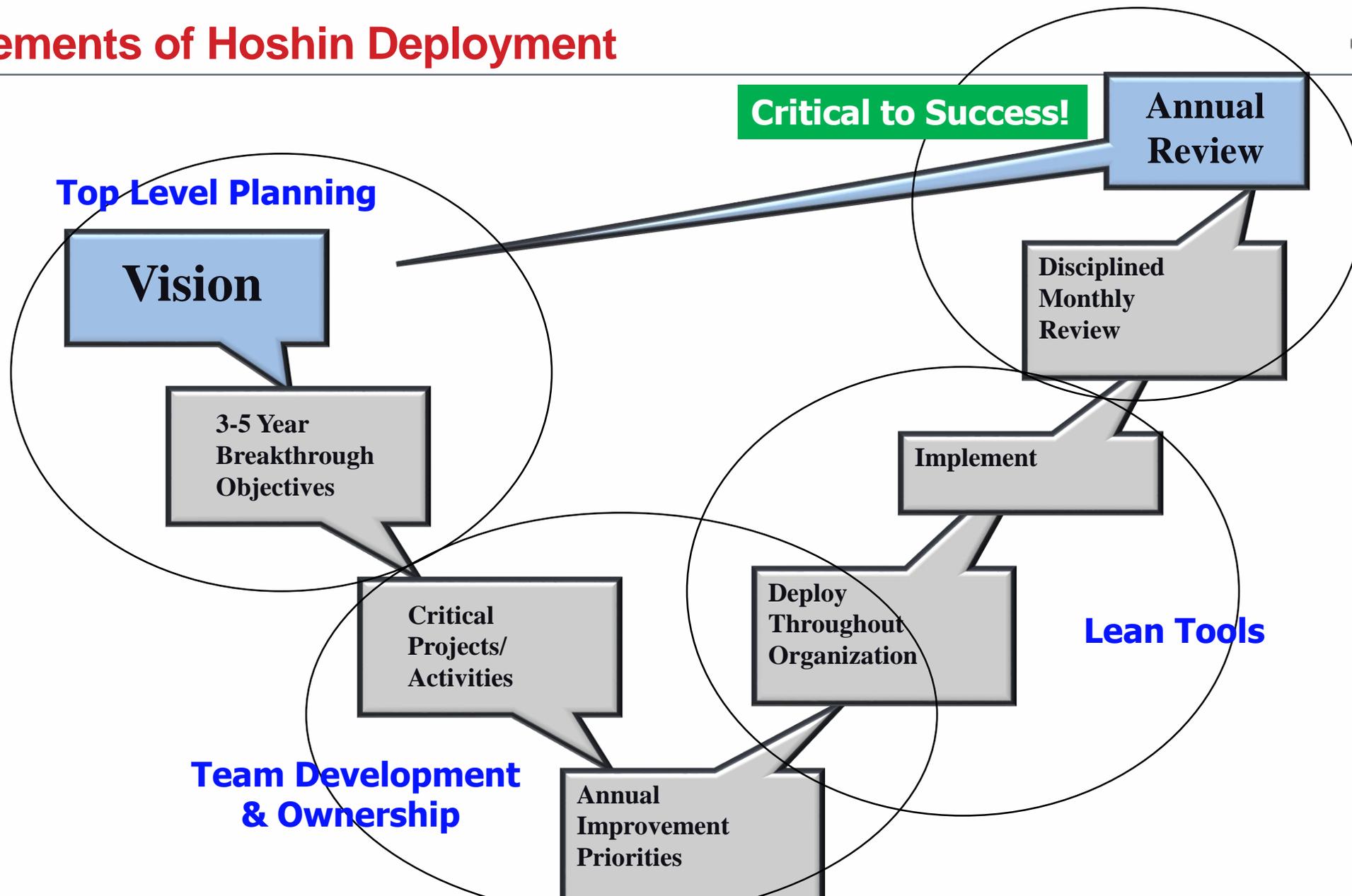


The Hoshin Distillation Process



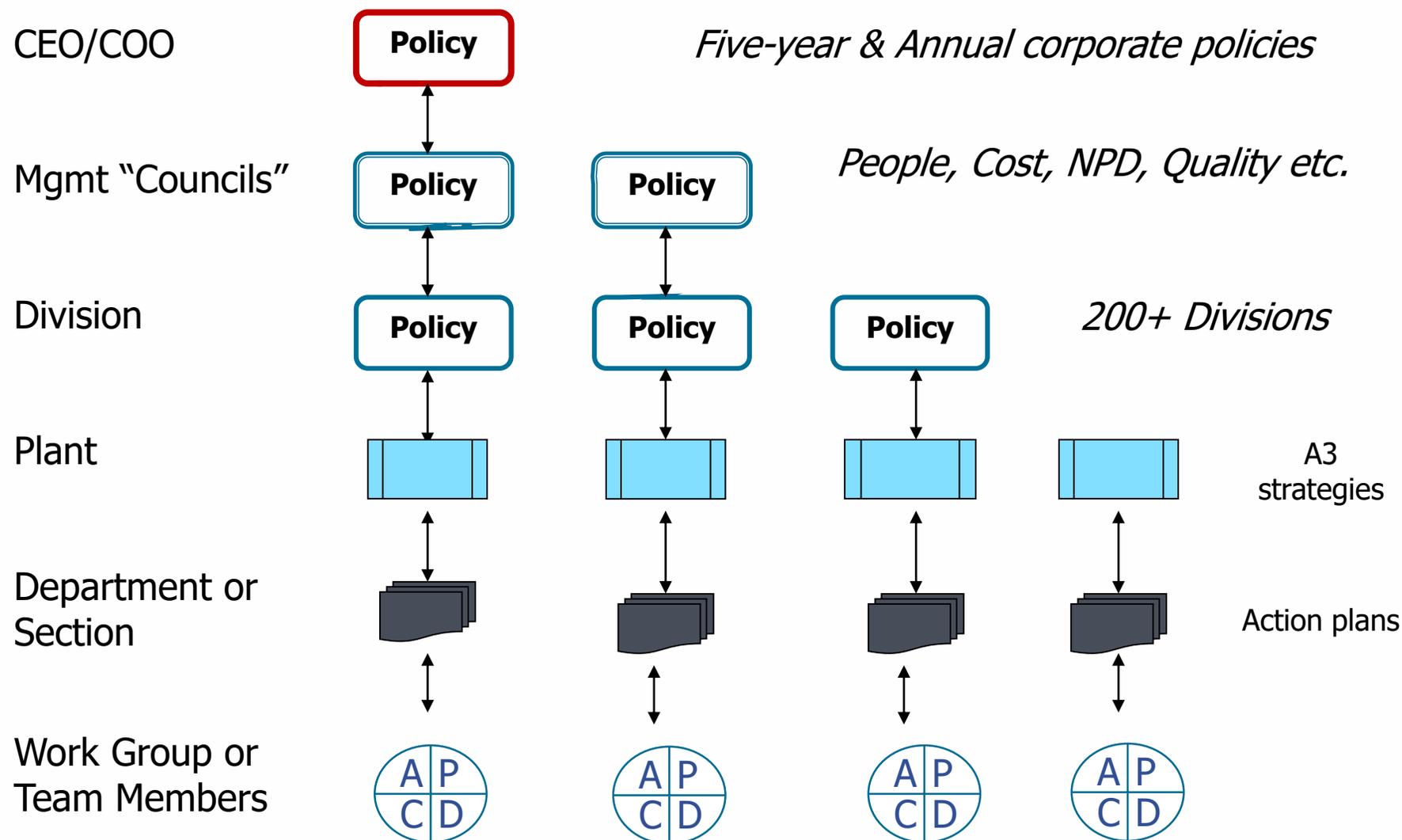


Key Elements of Hoshin Deployment



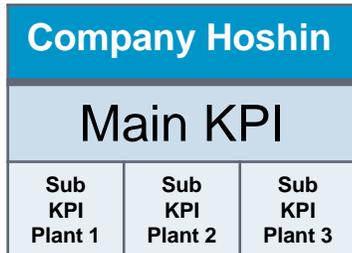


Deploying Policies at Toyota

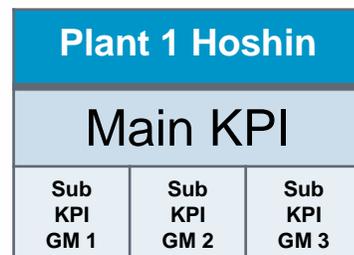




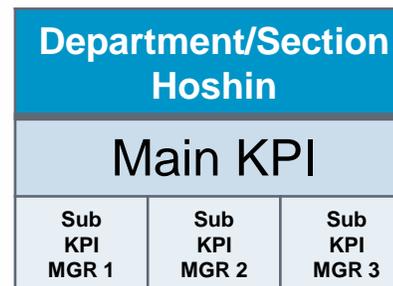
Hoshin Process and FMDS Activity



Toyota (TIEM) Hoshin Vision K21 “Breakthrough” Initiatives Only

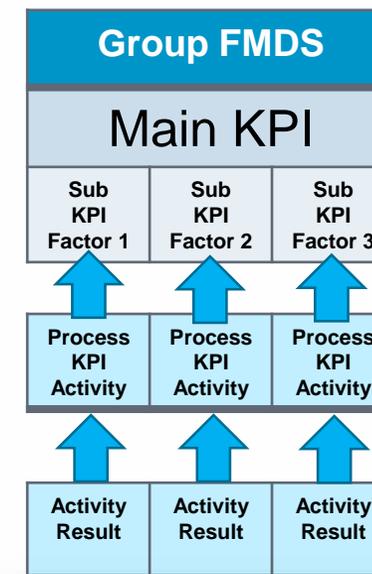


Toyota (TIEM) Annual Hoshin FY '18



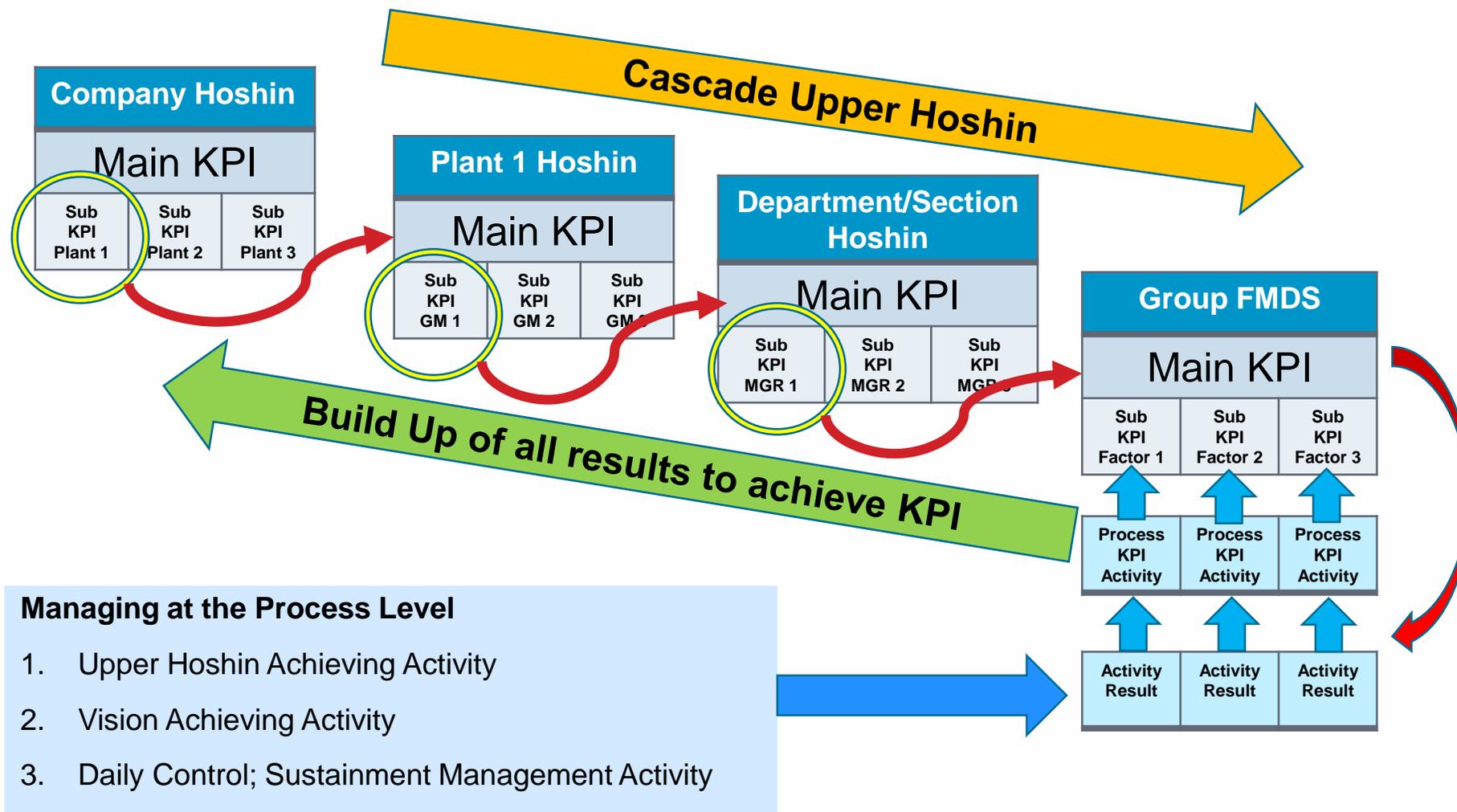
Toyota (TIEM) Hoshin Management By Department/Section “A3 Management”

Toyota Hoshin Management By Shift through FMDS



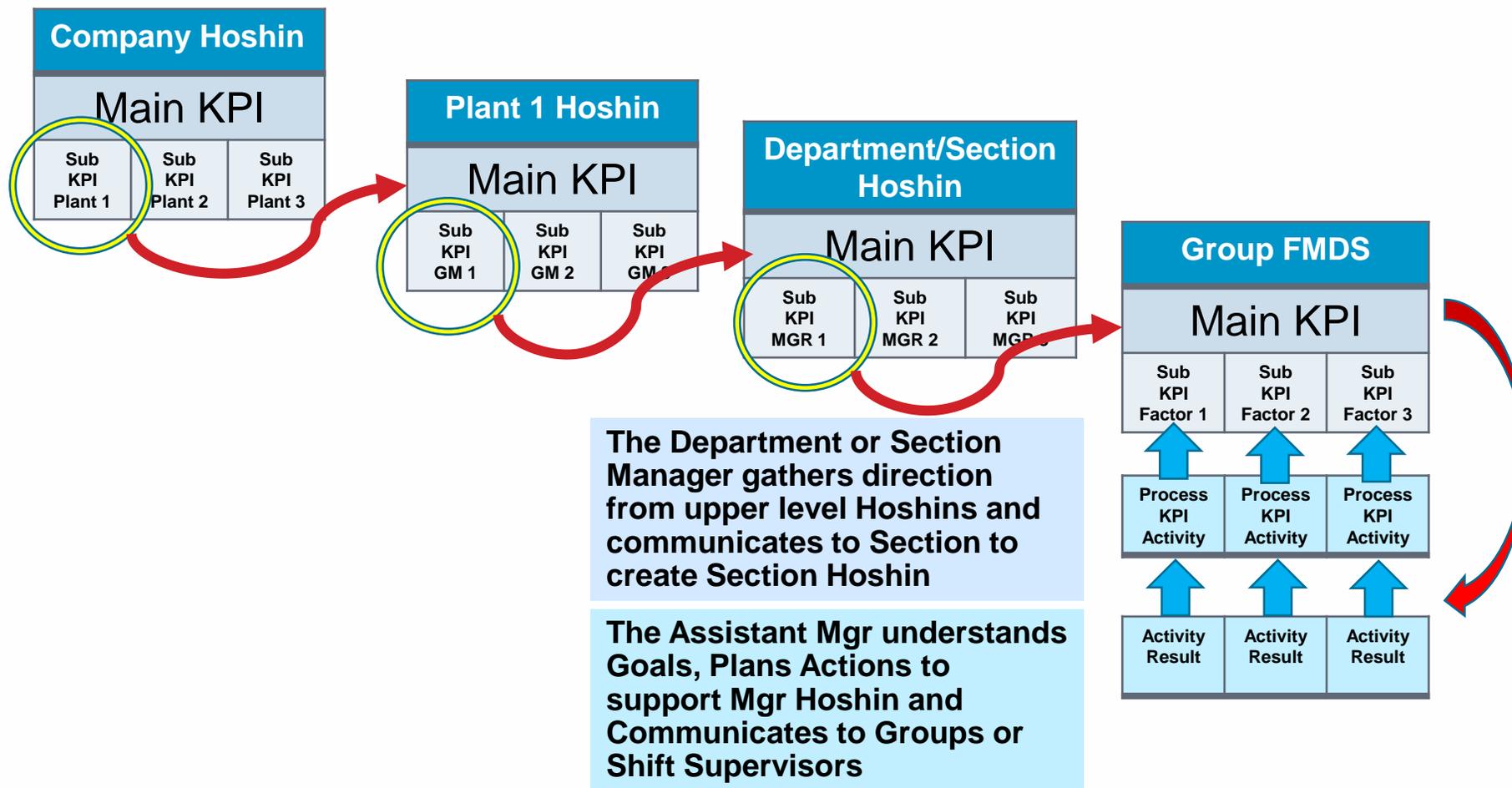


Hoshin Process and FMDS Activity



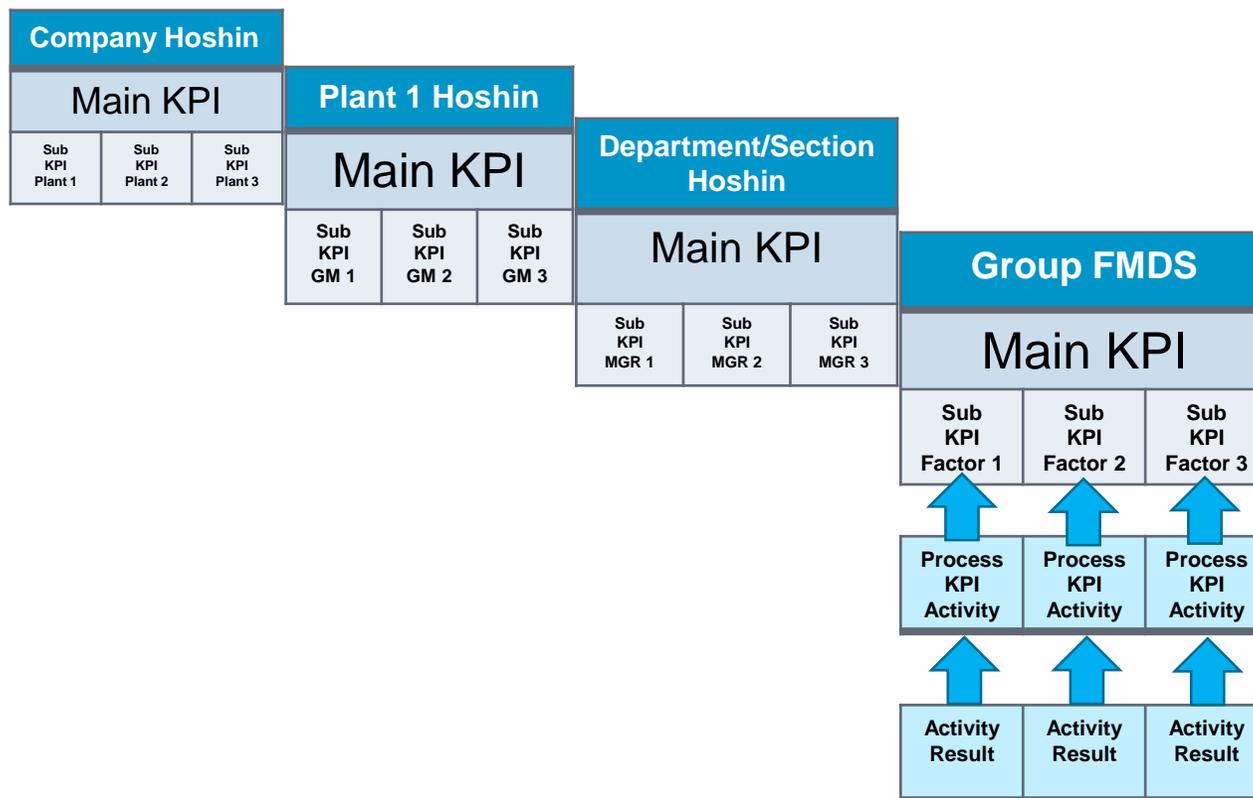


Hoshin Process and FMDS Activity





Hoshin Process and FMDS Activity



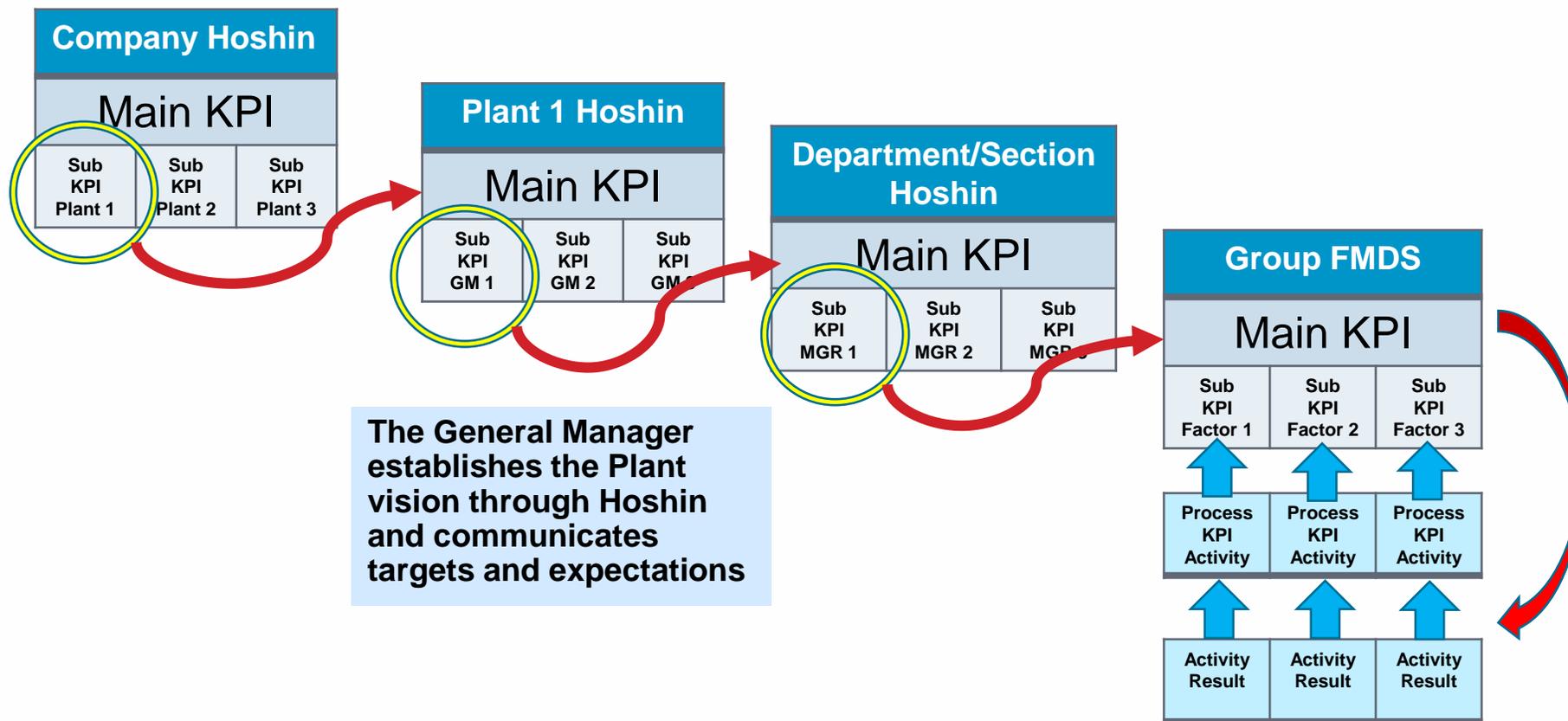
Group Leaders/Supervisors Grasp the Area Plan, Plans Group actions to support Hoshin Targets, and Communicates to Group Members targets and collaborates to develop Sub-KPI and Process Activities

Team Leaders implement group plan components, secure resources, supports team-members and Group Leaders through standards and suggest improvement activities to achieve targets

Team members follow implementation plan and standards, suggest improvement activities and participate in problem solving



Hoshin Process and FMDS Activity





Catch Ball Process Steps

- **Level II**
 - Review Level III A3's, matrices, and bowling charts
 - Modify/refine level III and II documents
 - Approve red-yellow-green conditions for each project
- **Level I**
 - Review Level II A3's and matrices
 - Modify/refine level II and I documents
- Create visual "Line of Site" charts for each **Level III** and integrate into management standard work



Line of Site Exercise

Think of your responsibilities in this upward cascade.

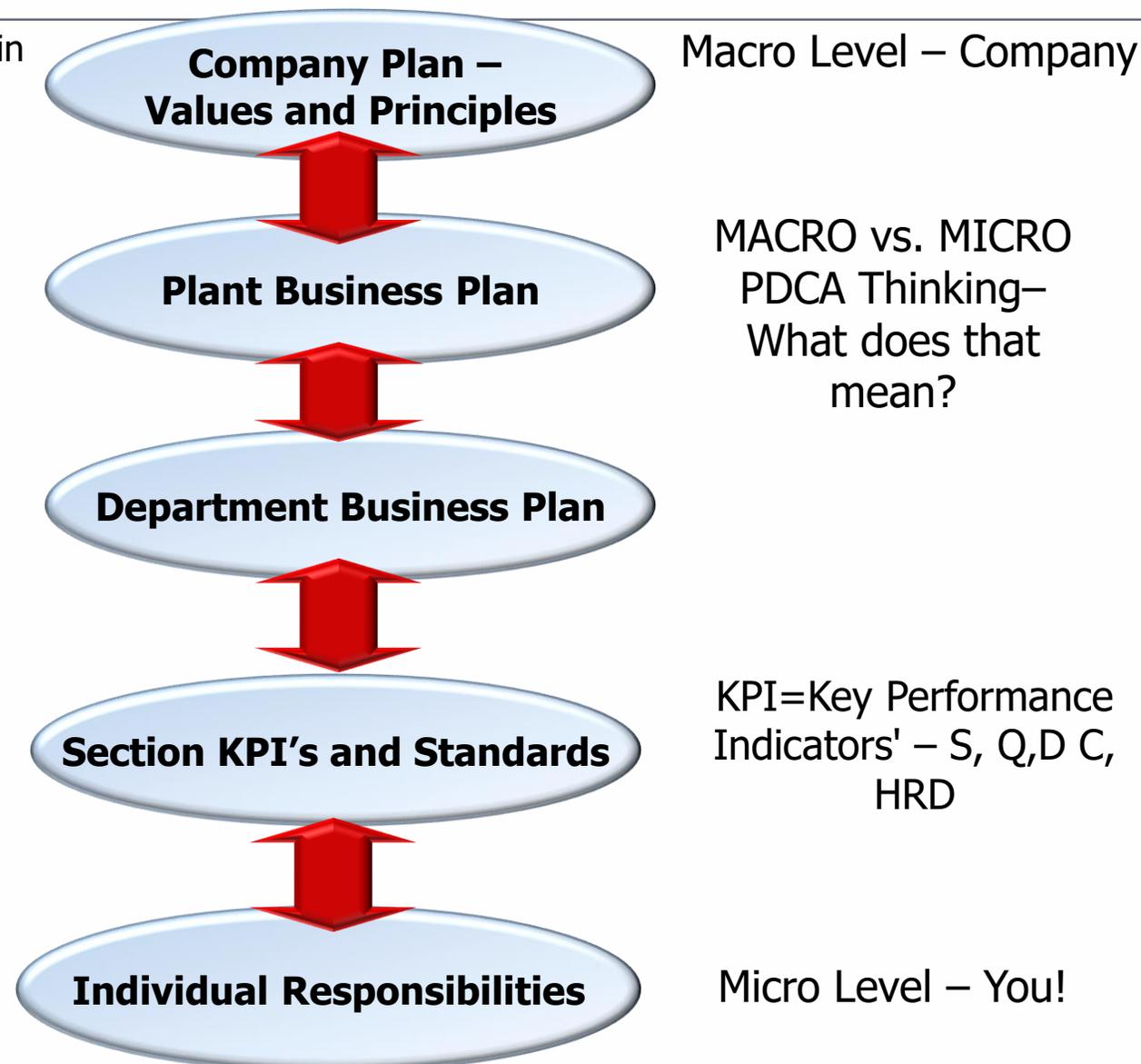
Your direct responsibility is your cost center or section, which supports your department, which supports the Plant Business Plan.

Are you aligning your responsibilities properly?

In other words is what your doing on a daily basis "value added" to the company's goals?

You must establish and share the direction you are heading in!

Without a plan we keep covering old territory!

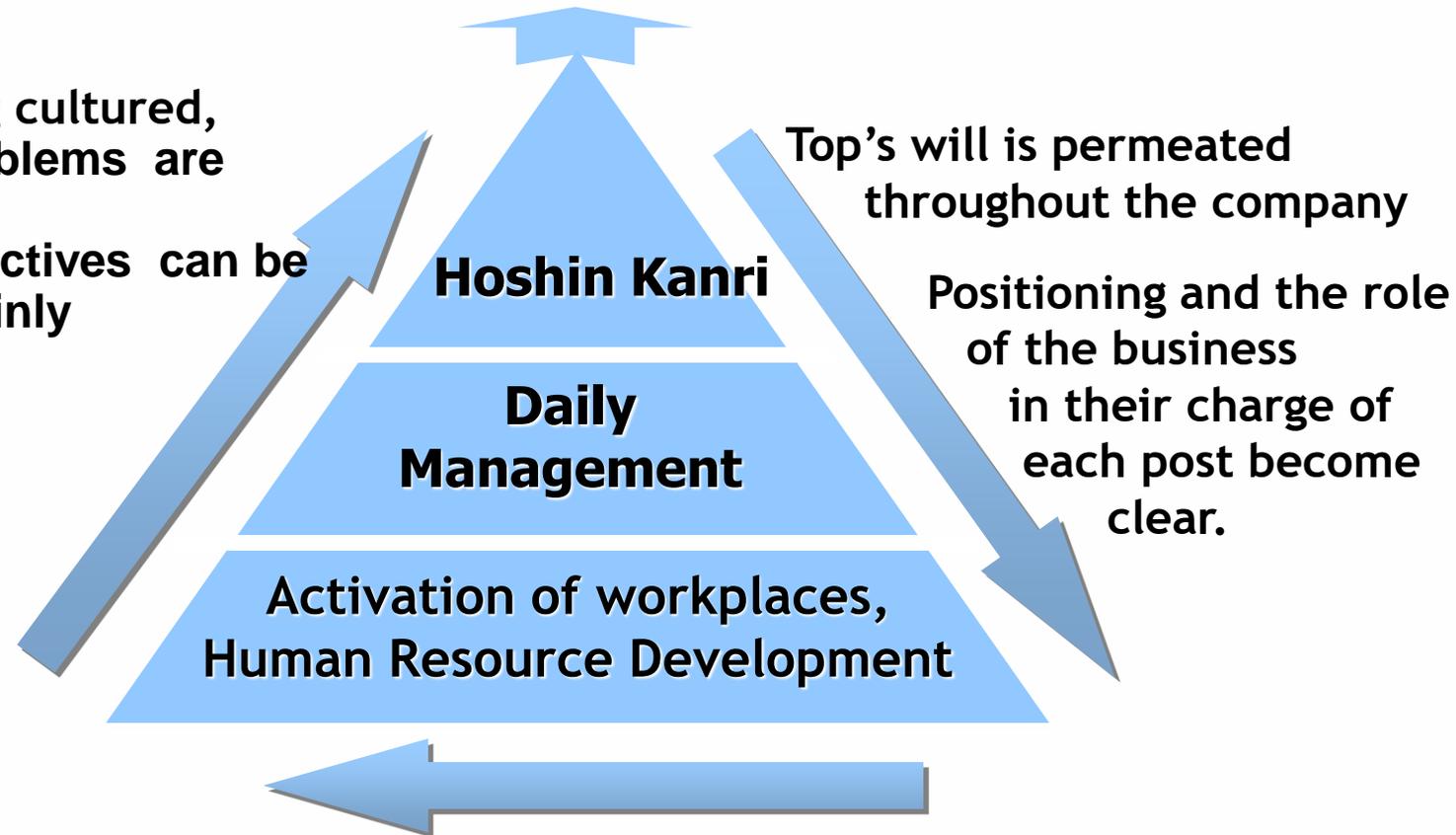




Summary of Hoshin Activity

Vision and Strategy of Company

By PDCA being cultured, important problems are solved & business objectives can be attained certainly & effectively.



- The quality of business and the level of management are improved and then human resource are developed.
 - Workplaces are activated by good communication.

