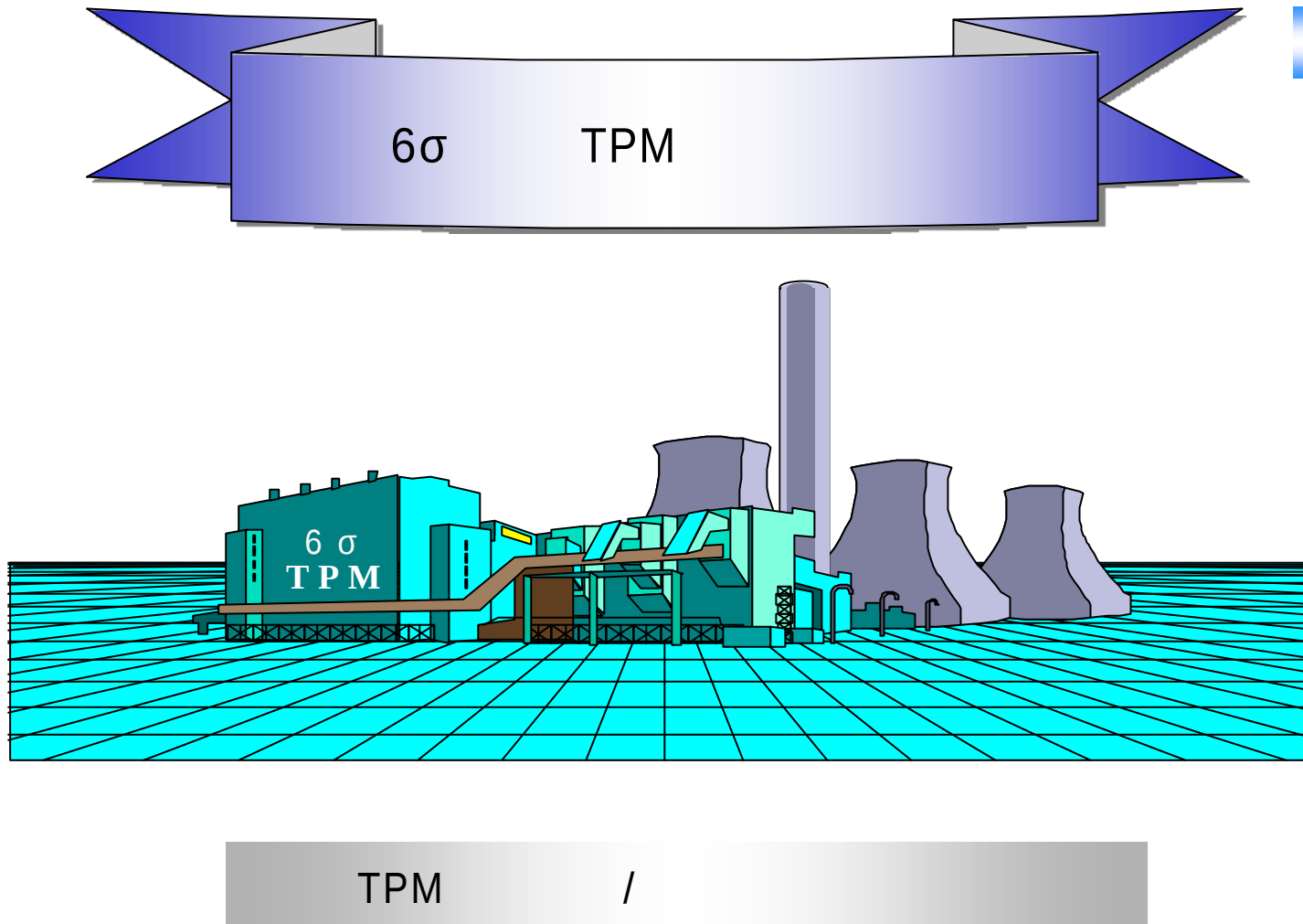
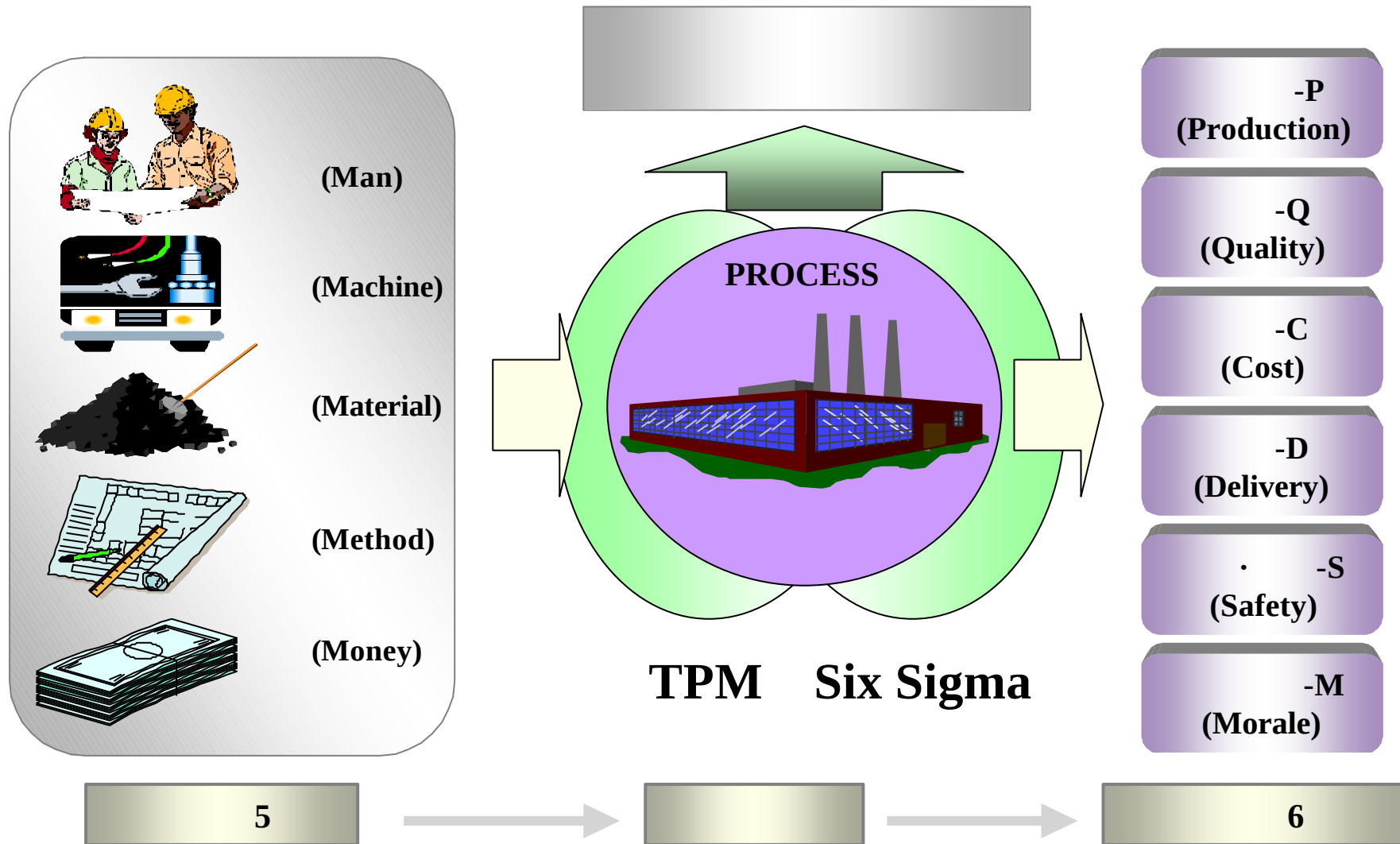
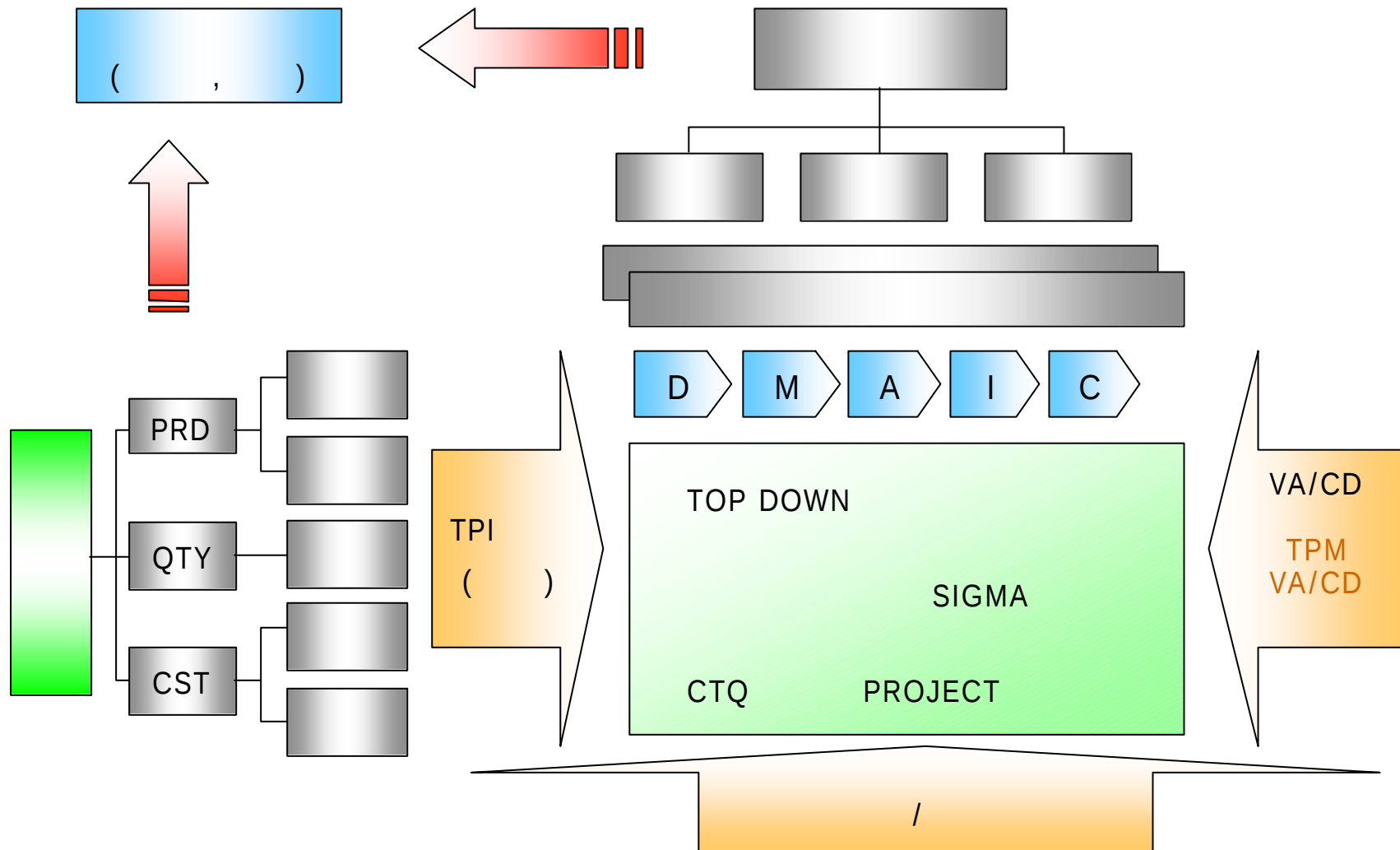


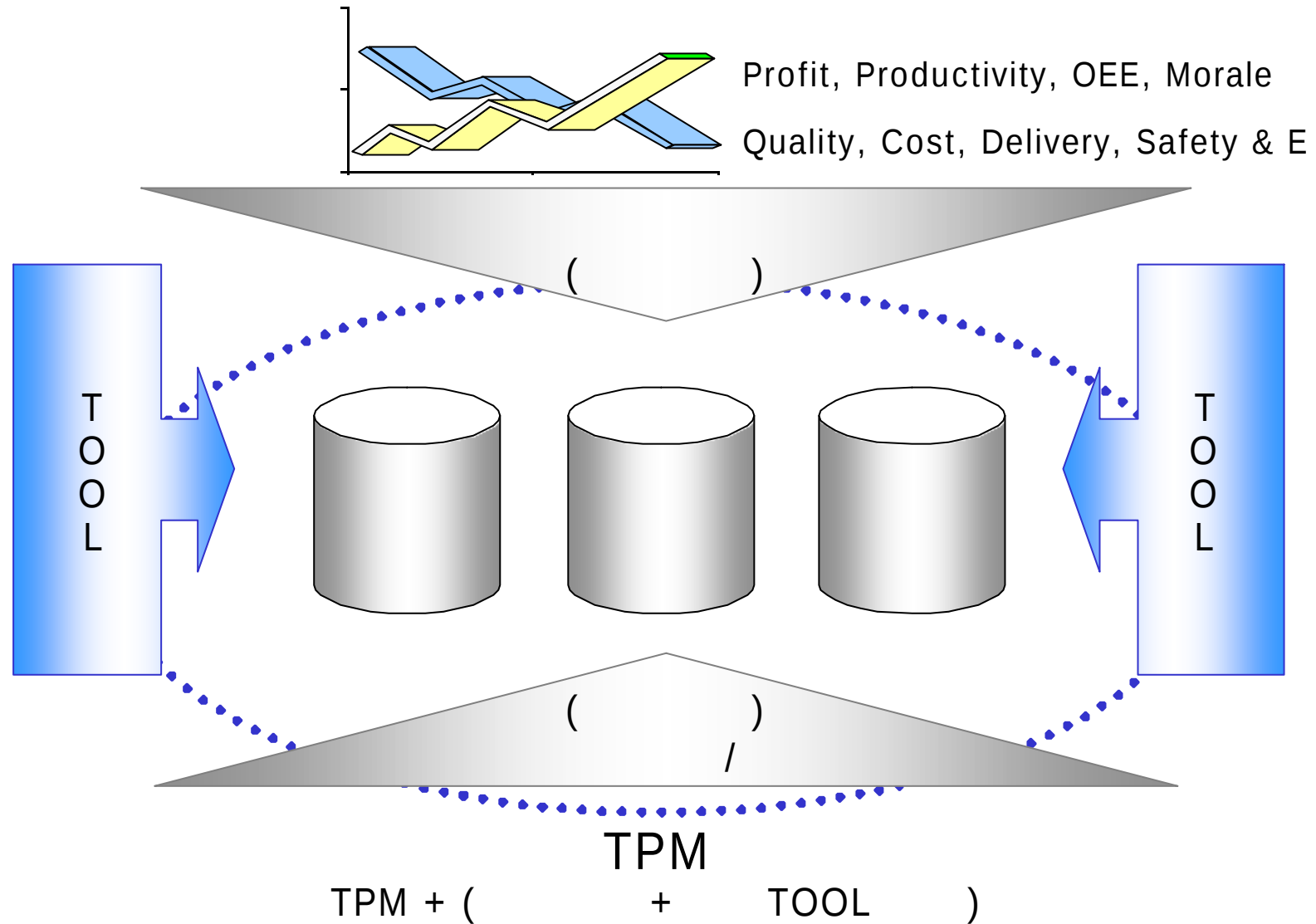


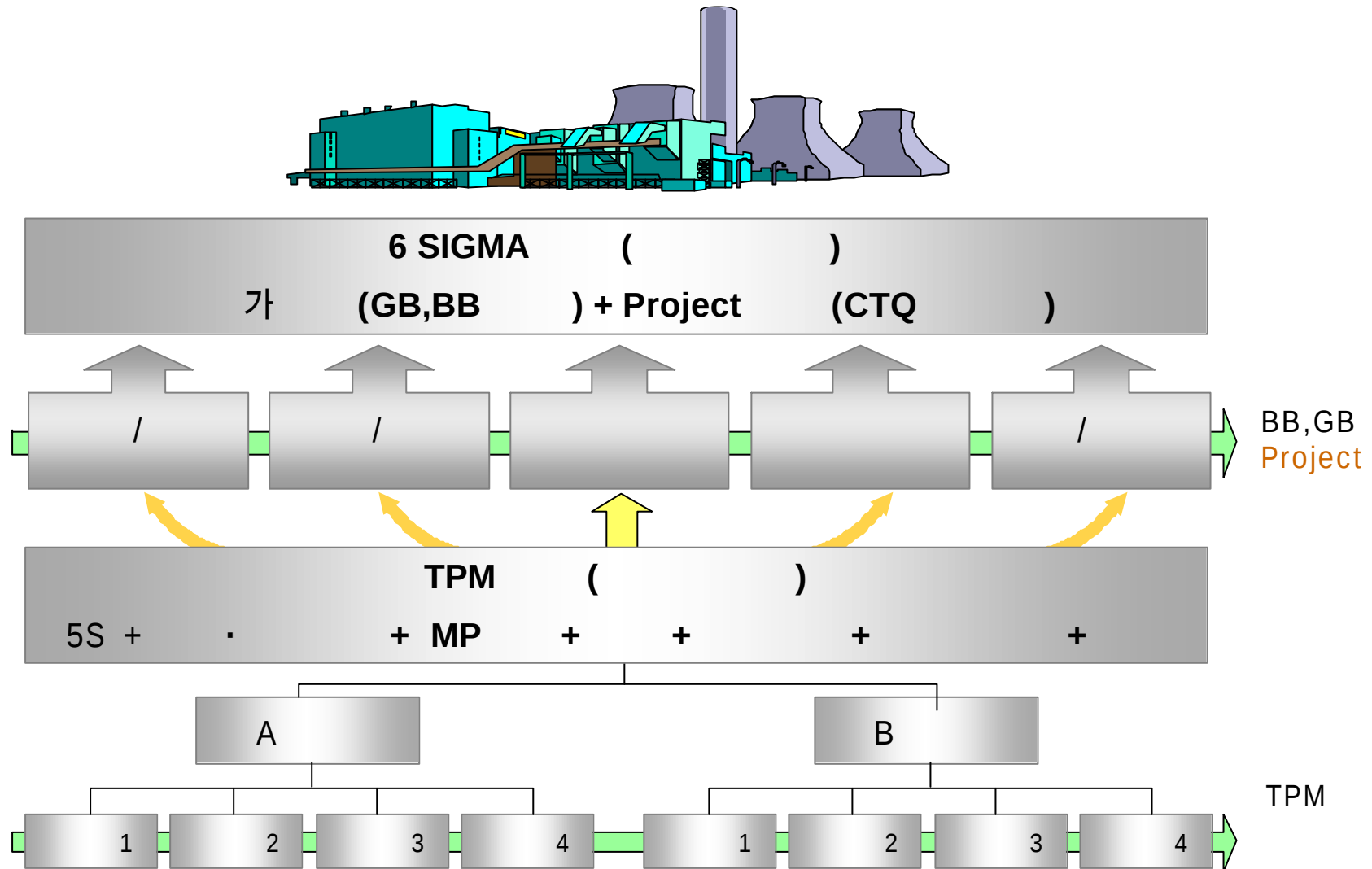


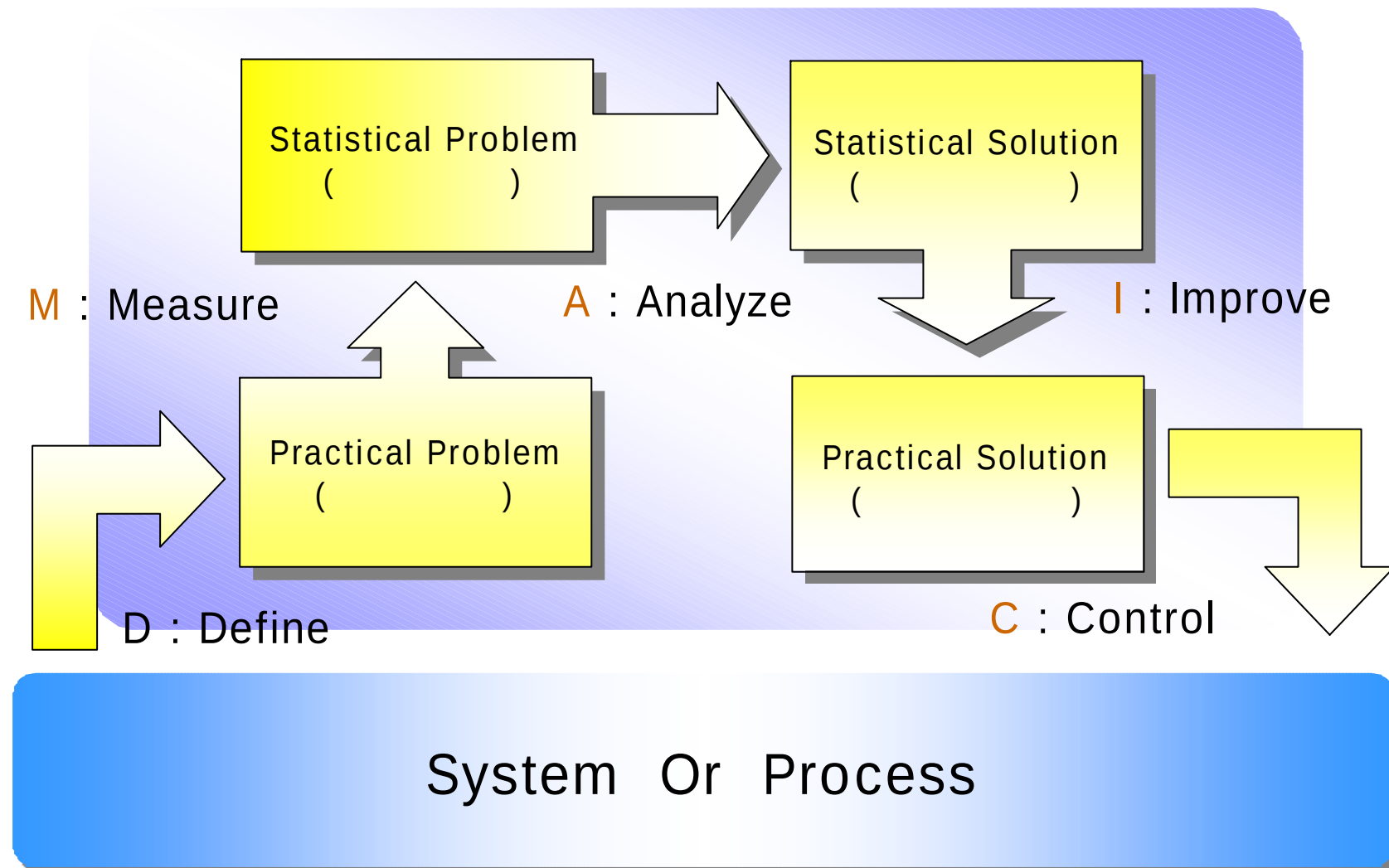


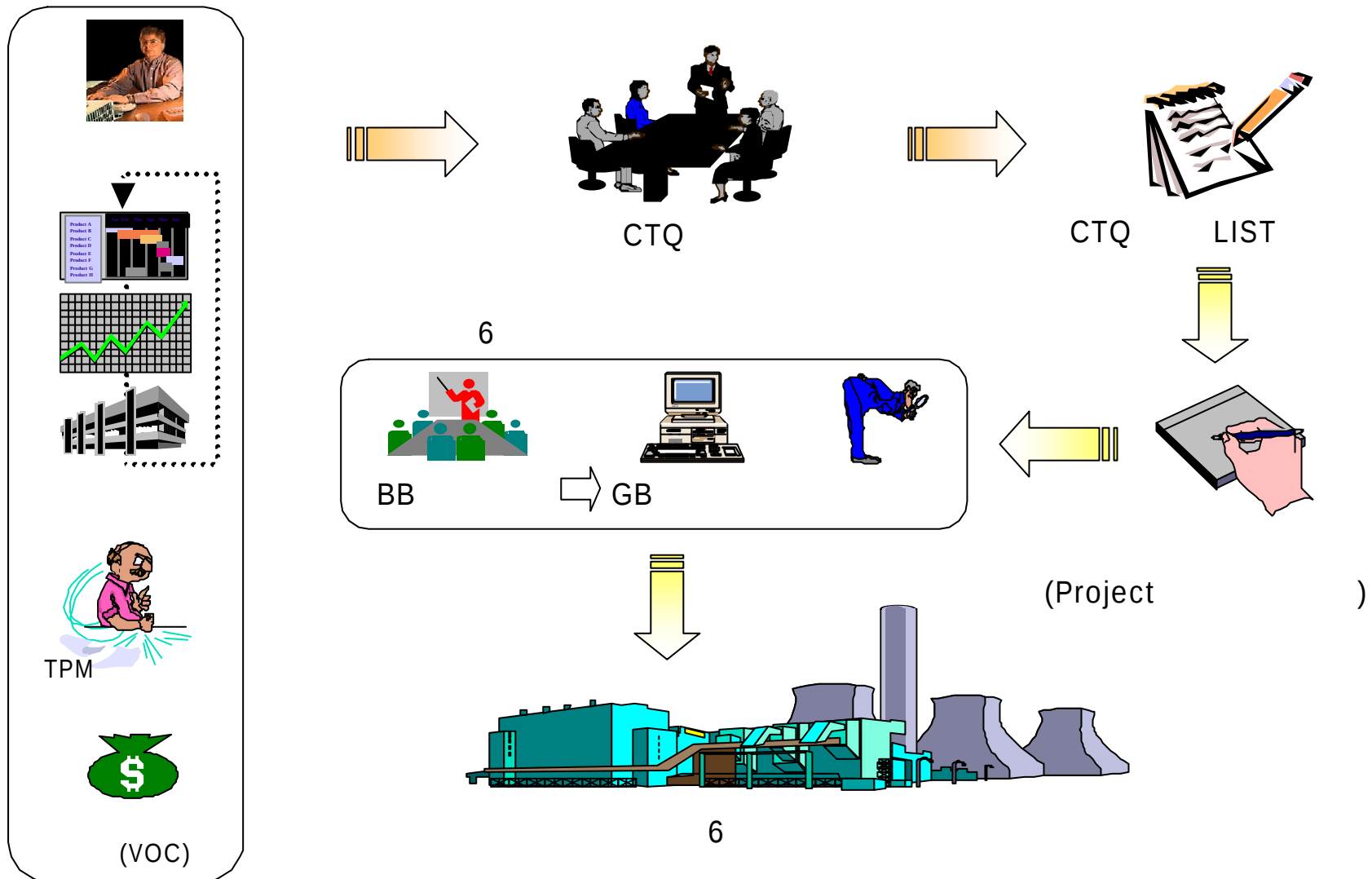
	TPM	6
	Bottom up	Top down
	Zero / (0, 0, 0)	(6σ) (3.4 PPM)
	Small Circle Activity ()	Project Activity (Project Team)
	Input/Process	/Process
Level up	Step Pass (STEP 1, 2, 3, ...)	Belt (Black / Green / White)
	, PM , ...	Data (SPC..)
	STEP (CAPD)	(DMAIC)

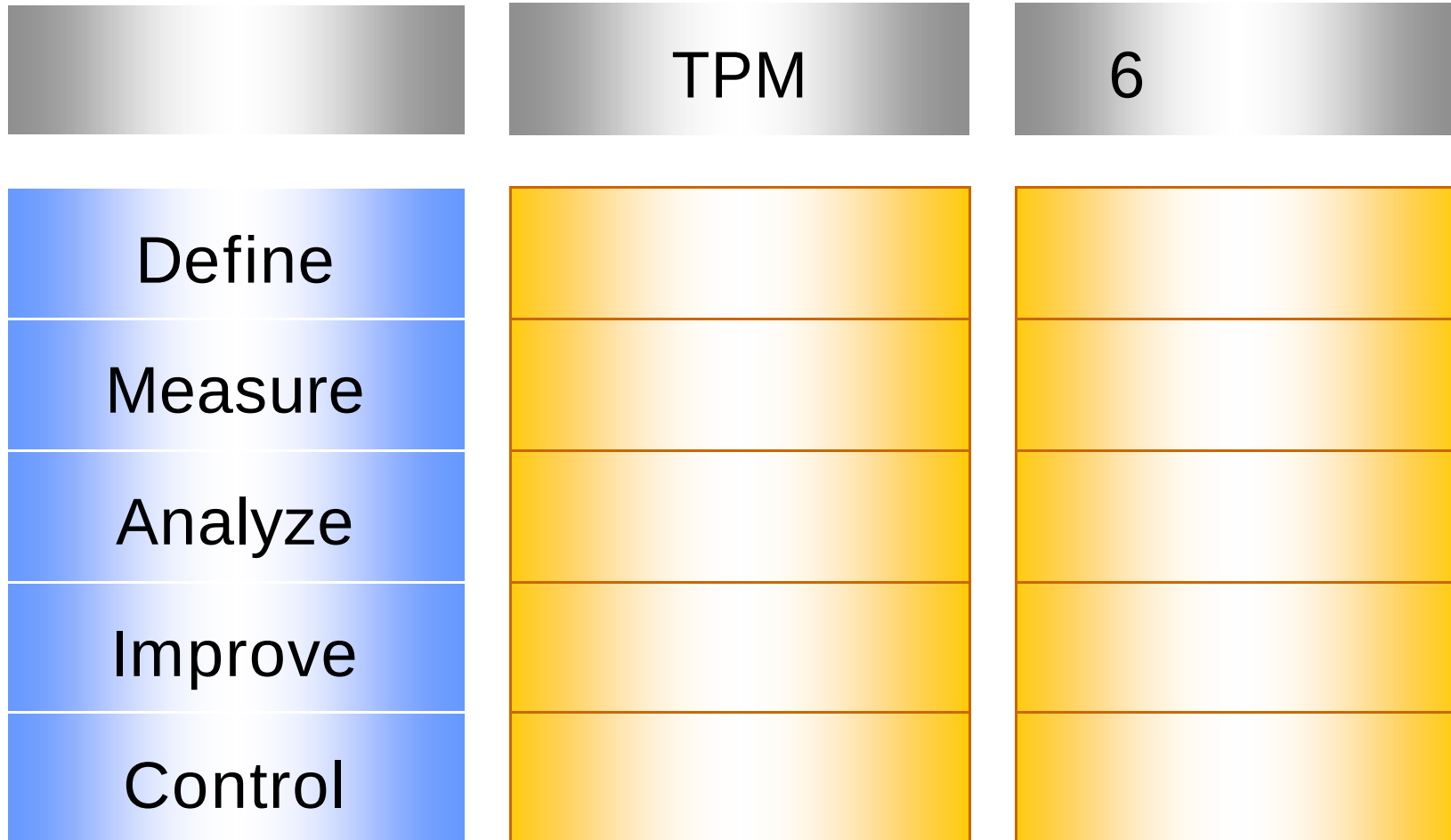
TPM Pillars		6	DFSS		DMAIC	
		○		●		●
		○				
		○		●		●
		●		●		
MP	MP ,		●	●	●	
		●		●	●	●
		●		●		
		●				●
	• •					●
		●	●			
		●				
		○			○	○







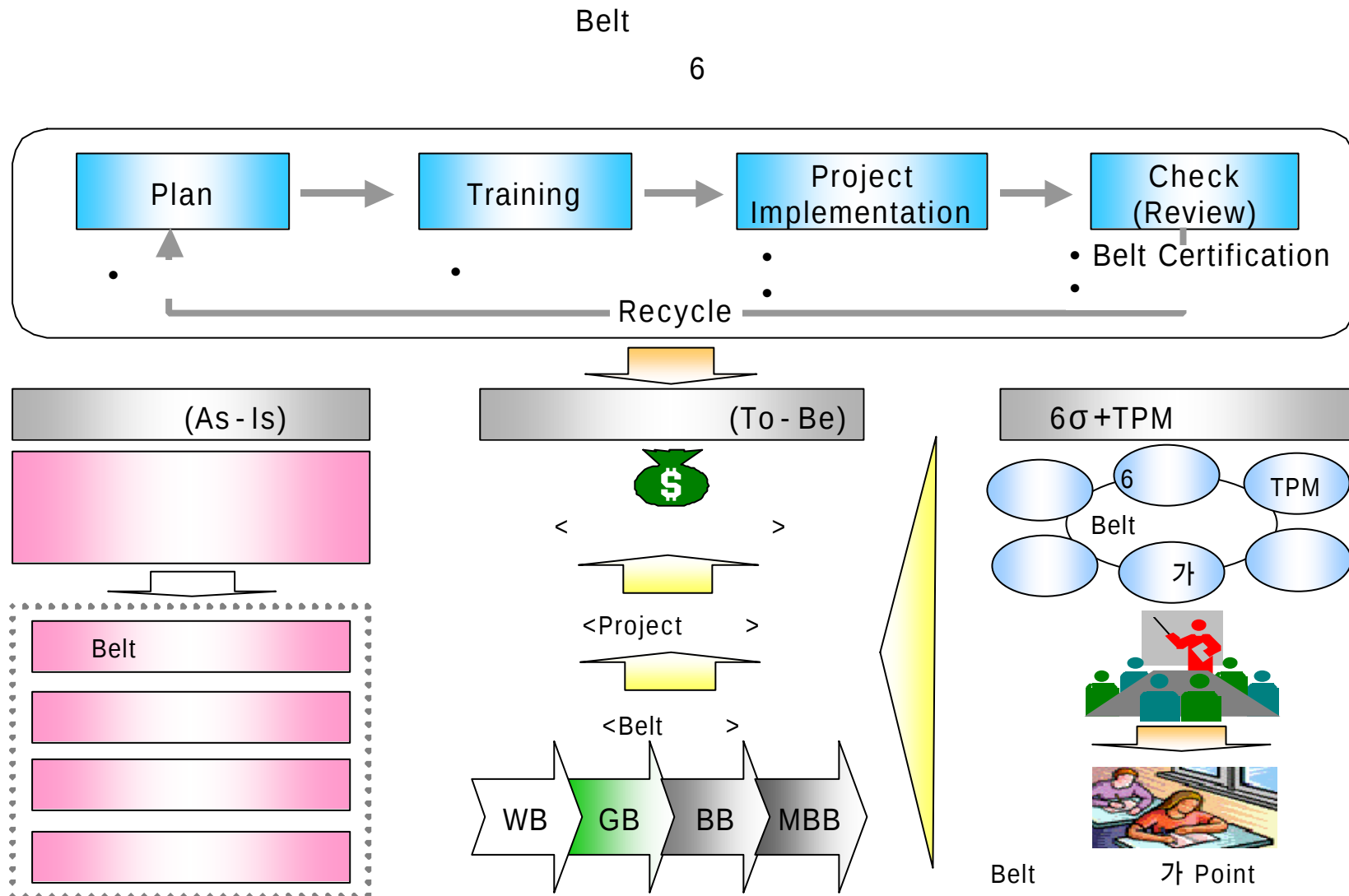


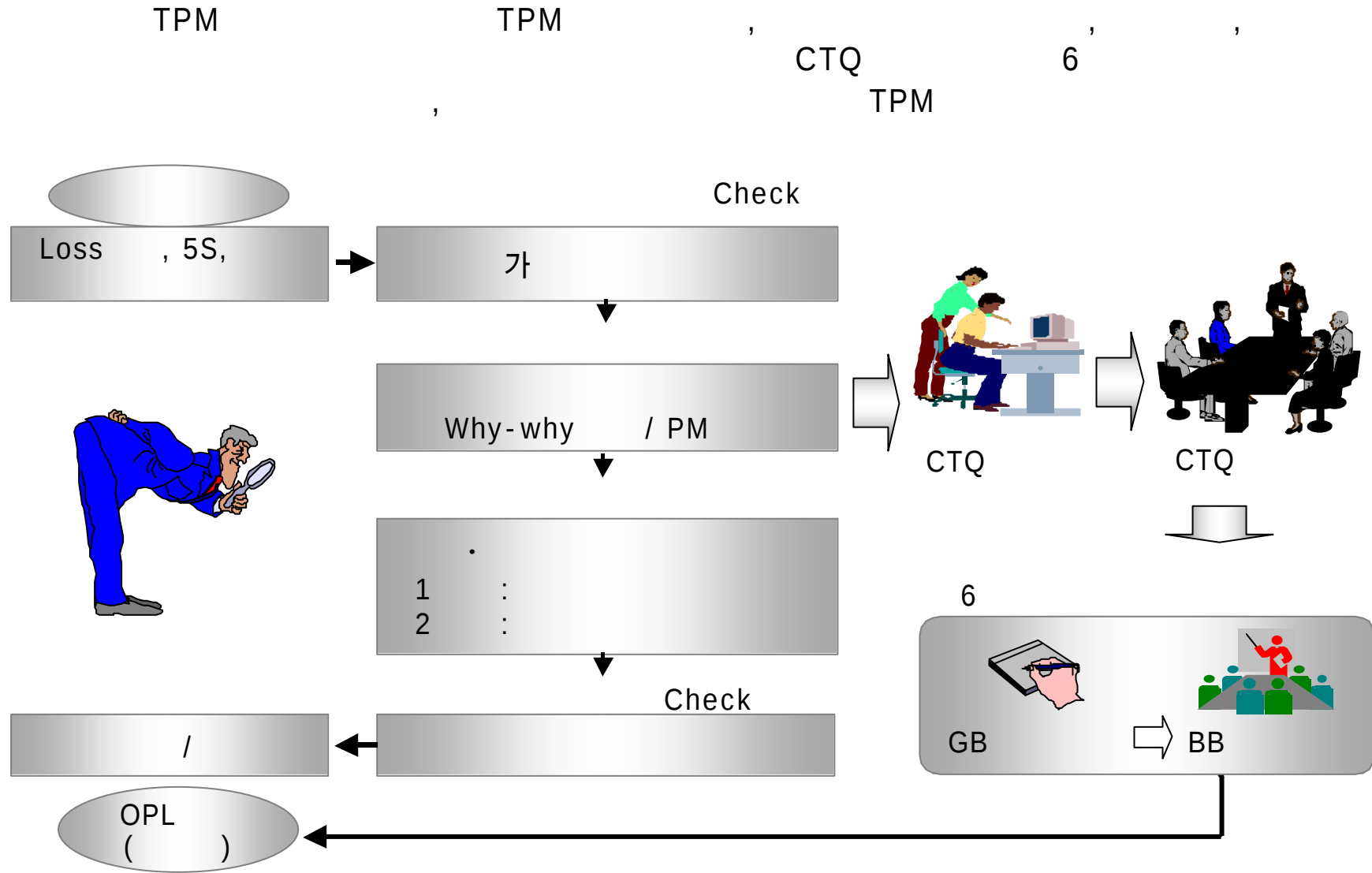


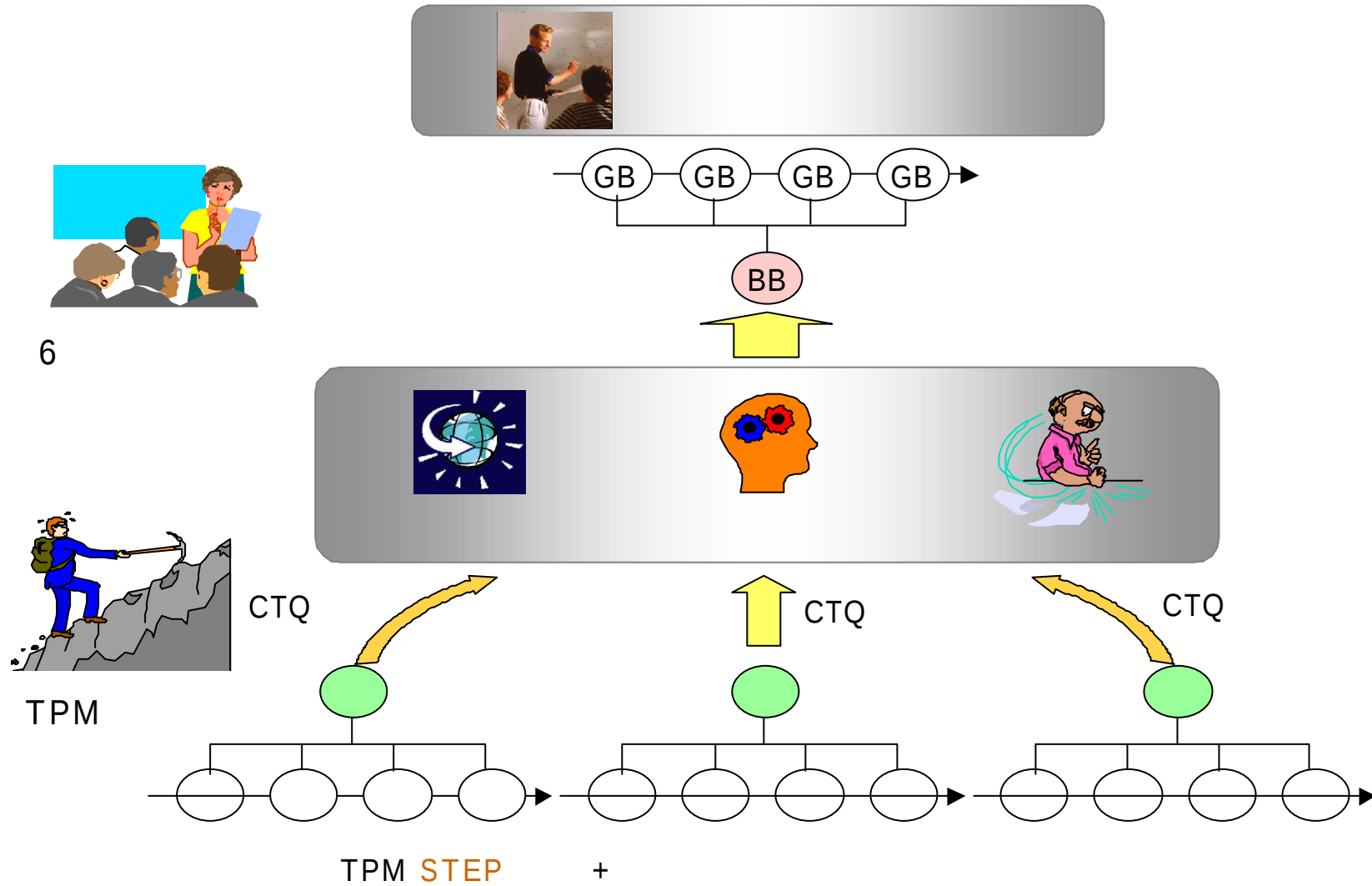
Belt Training Program

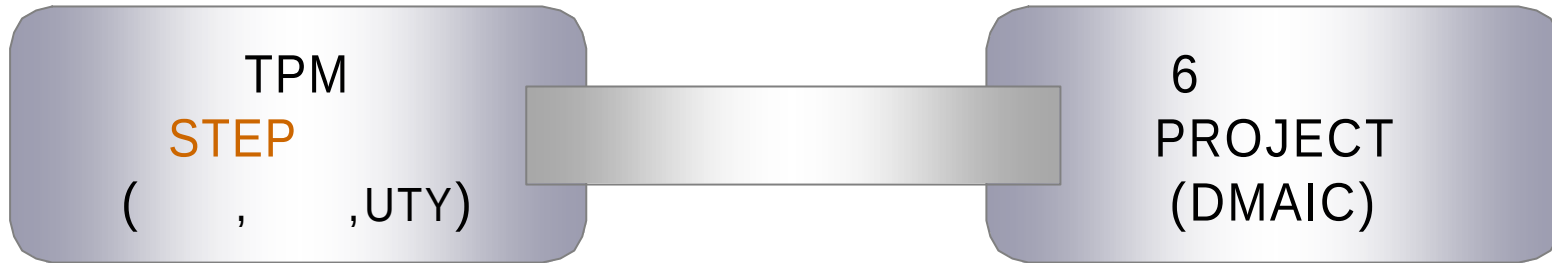
6σ

TPM







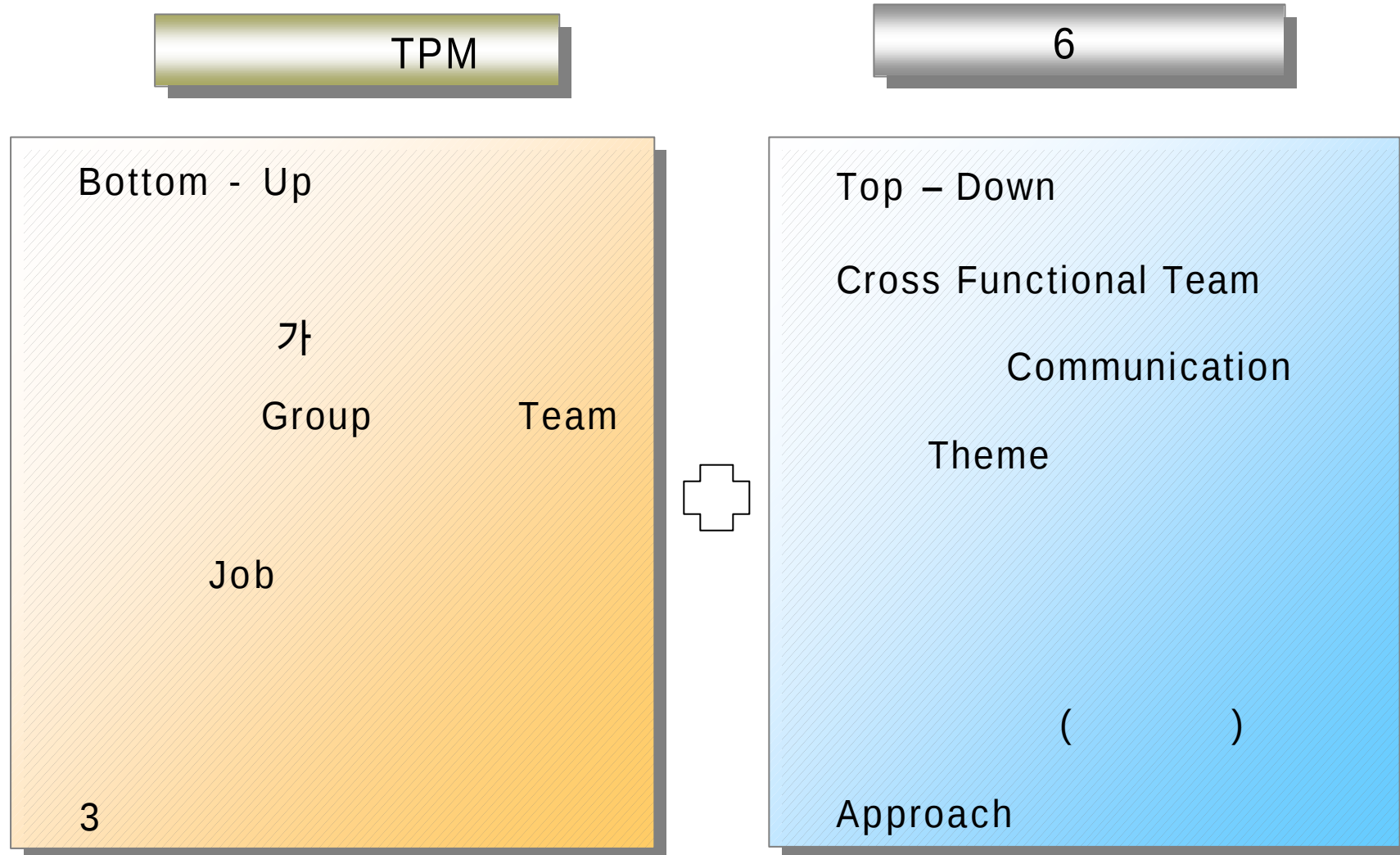


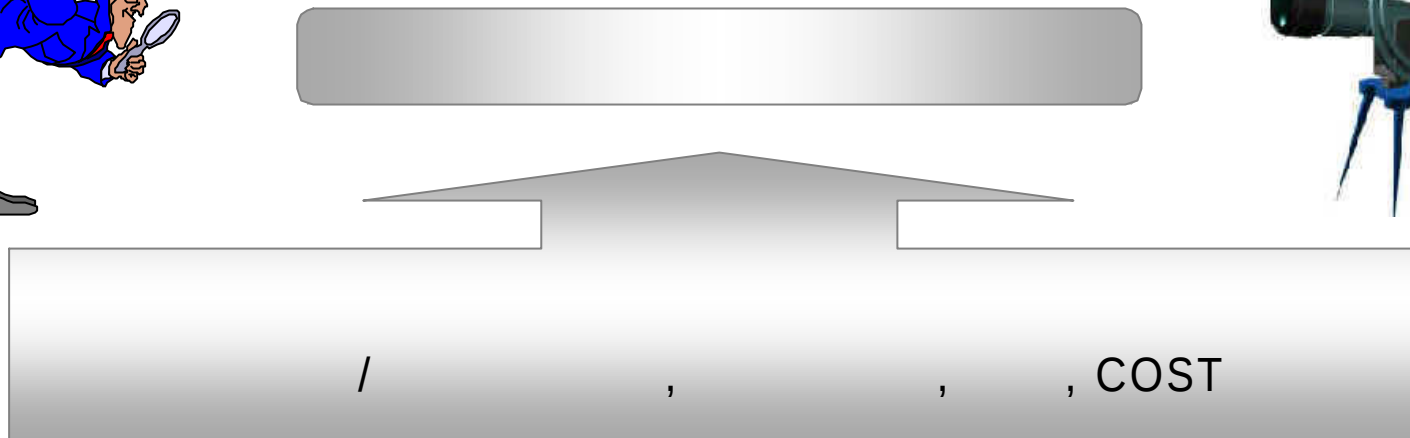
	STEP		
	•	•	- STEP - 6
	•	•	- STEP - 6
UTY		•	- 6
SYS &		•	- 6 PROJECT

TPM (STEP 가 , .가 TPM 6)

	TPM	6
	Life Cycle	
	(,)	(, , , ,)
	()	()
	(Bottom - Up)	(Top - Down)
	(STEP) ; ,	(6)

	TPM	6
	4M (, , ,)	4M
	()	()
	STEP	DMAIC 5
	(,)	
가	STEP	가 가 ()
	%,	Sigma



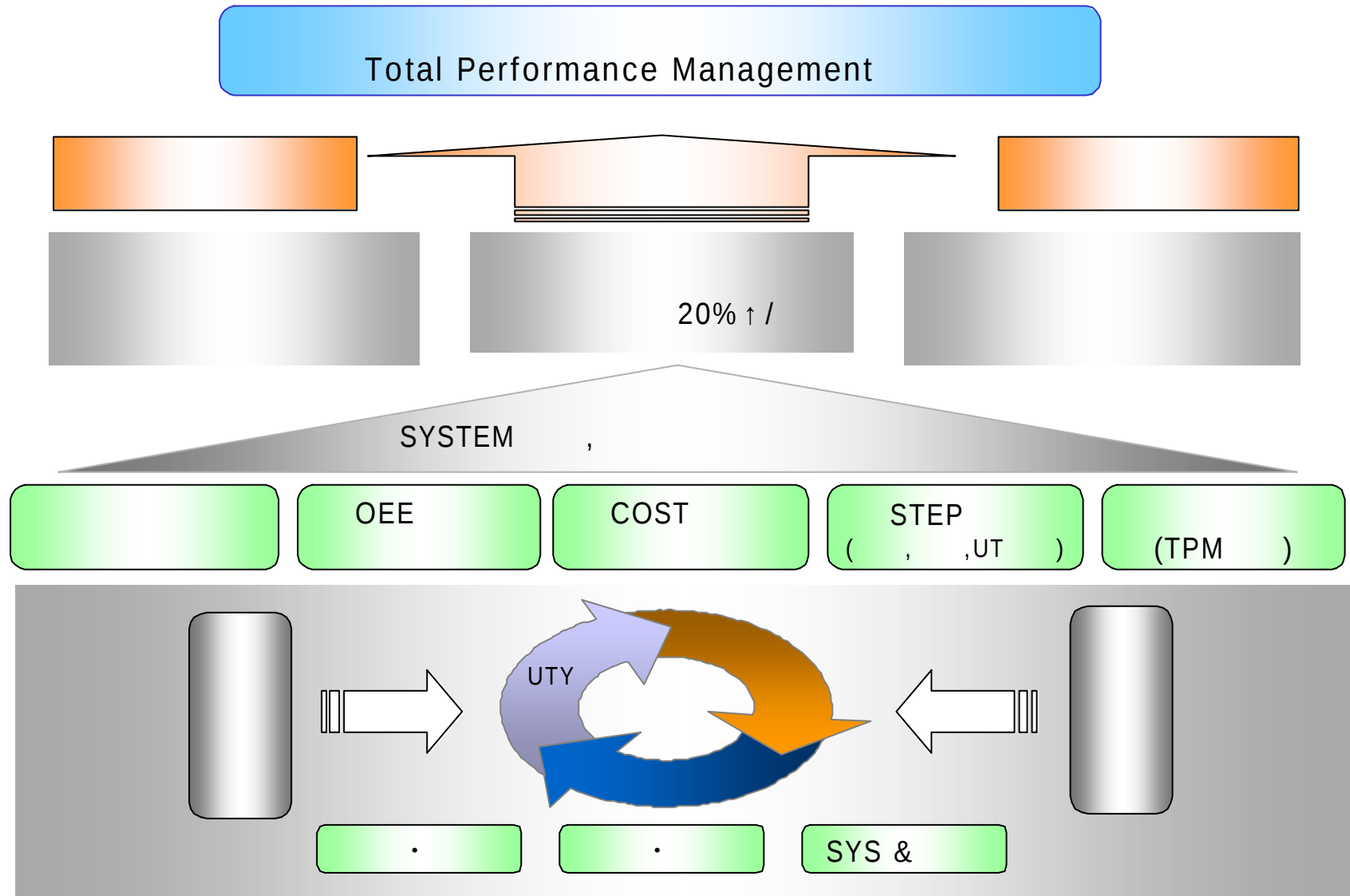


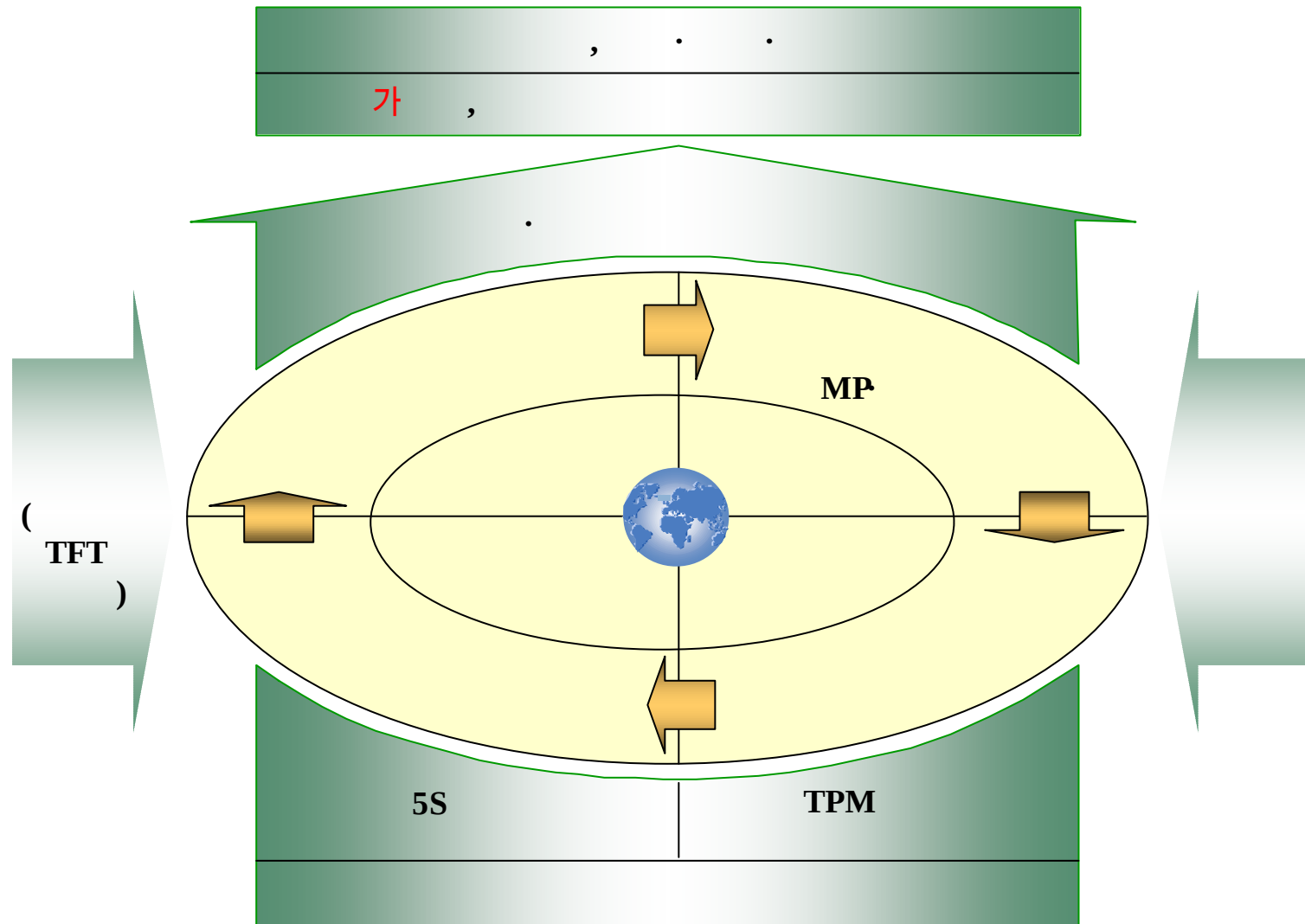
TPM
, ,UTY,SYS

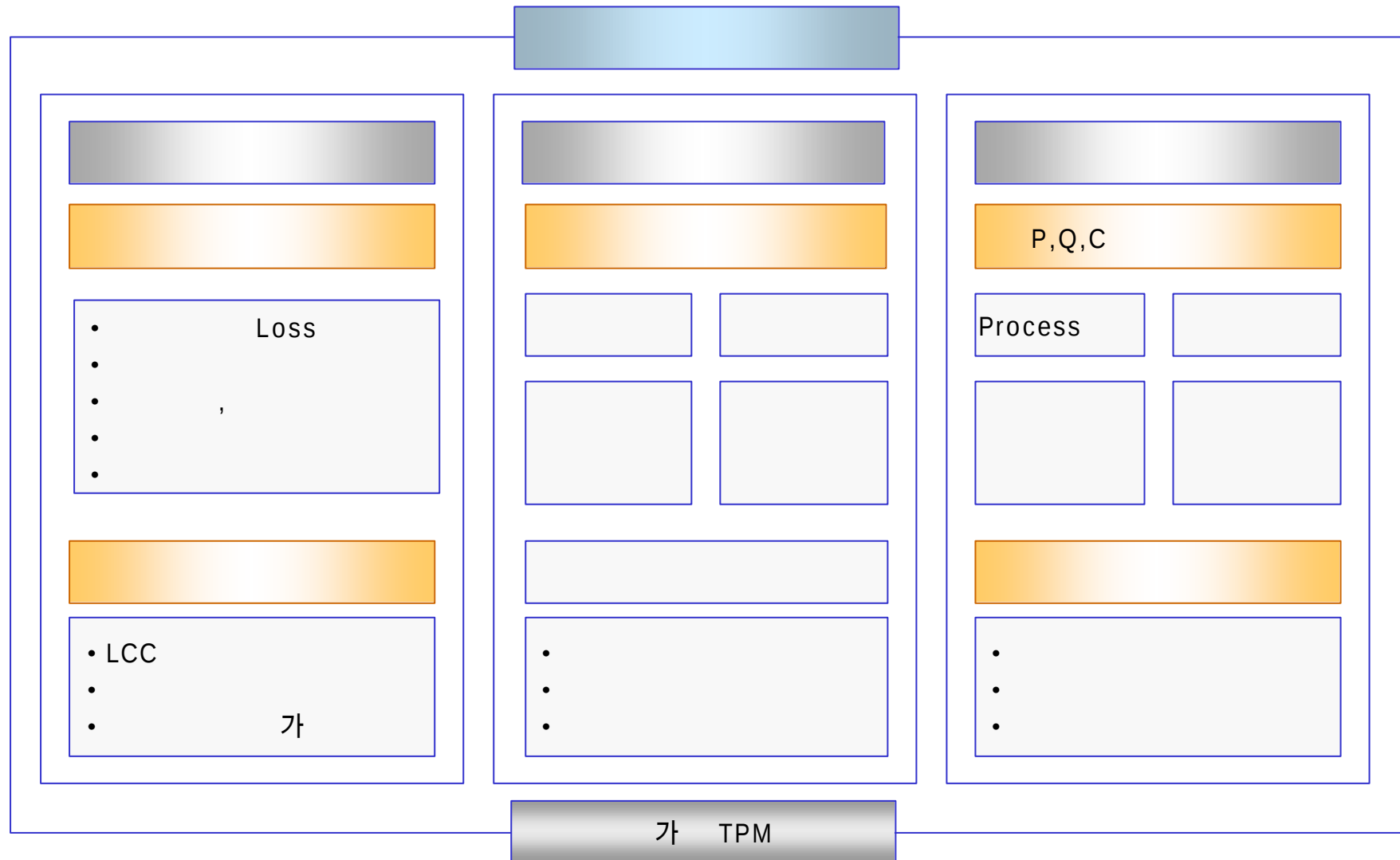
6
,PJT,BELT

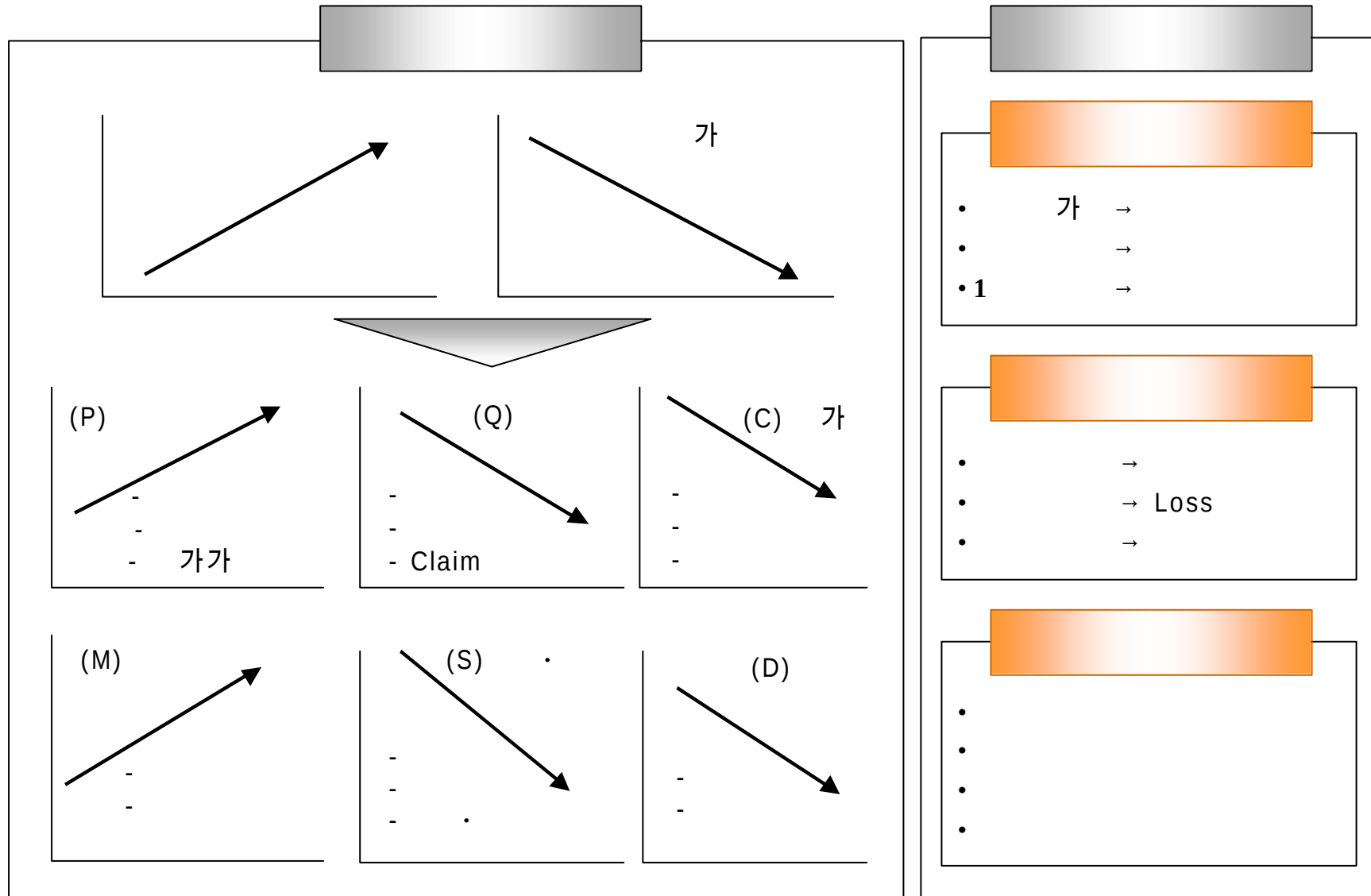
VA/CD
COST

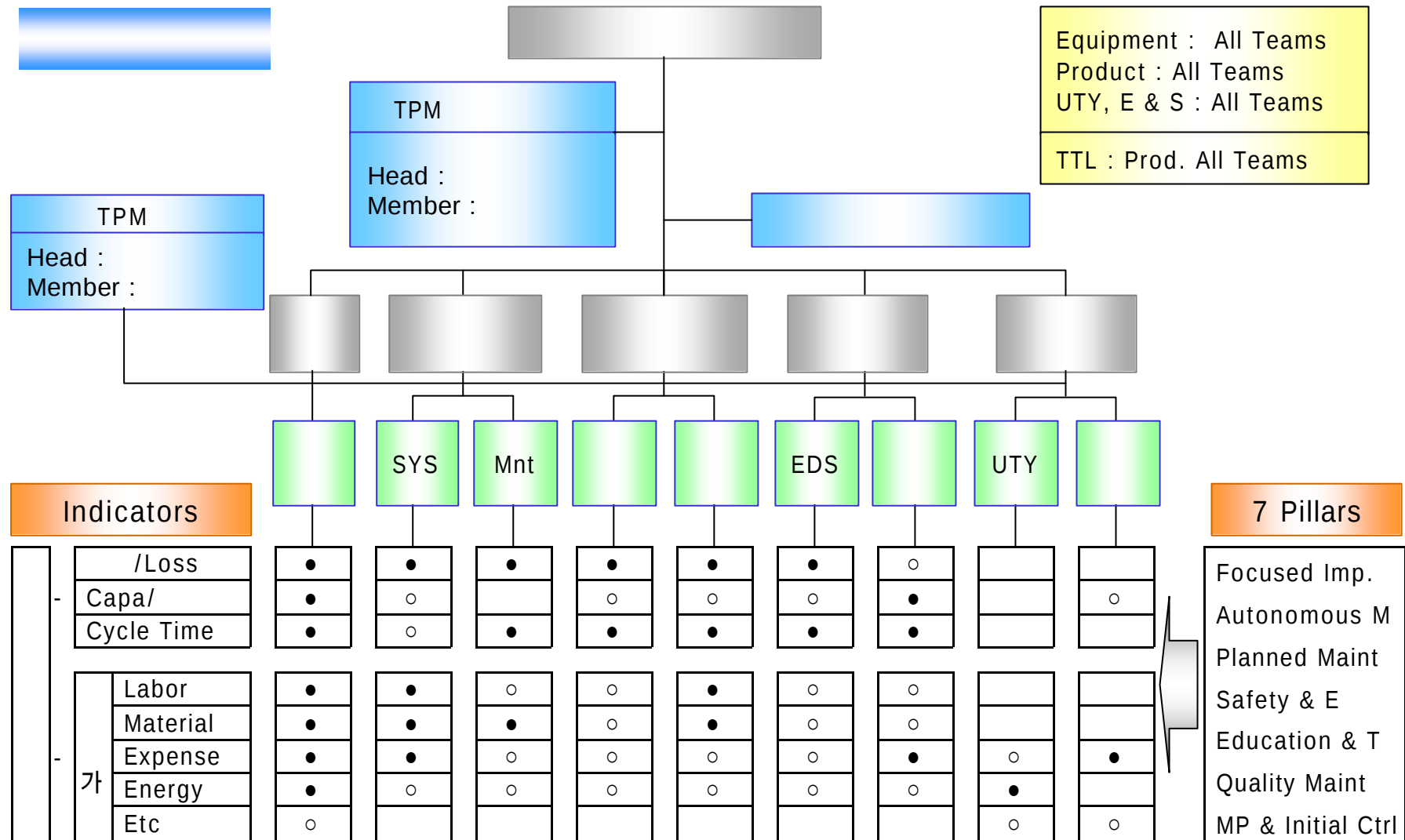
, 5S, . , . (OJT),







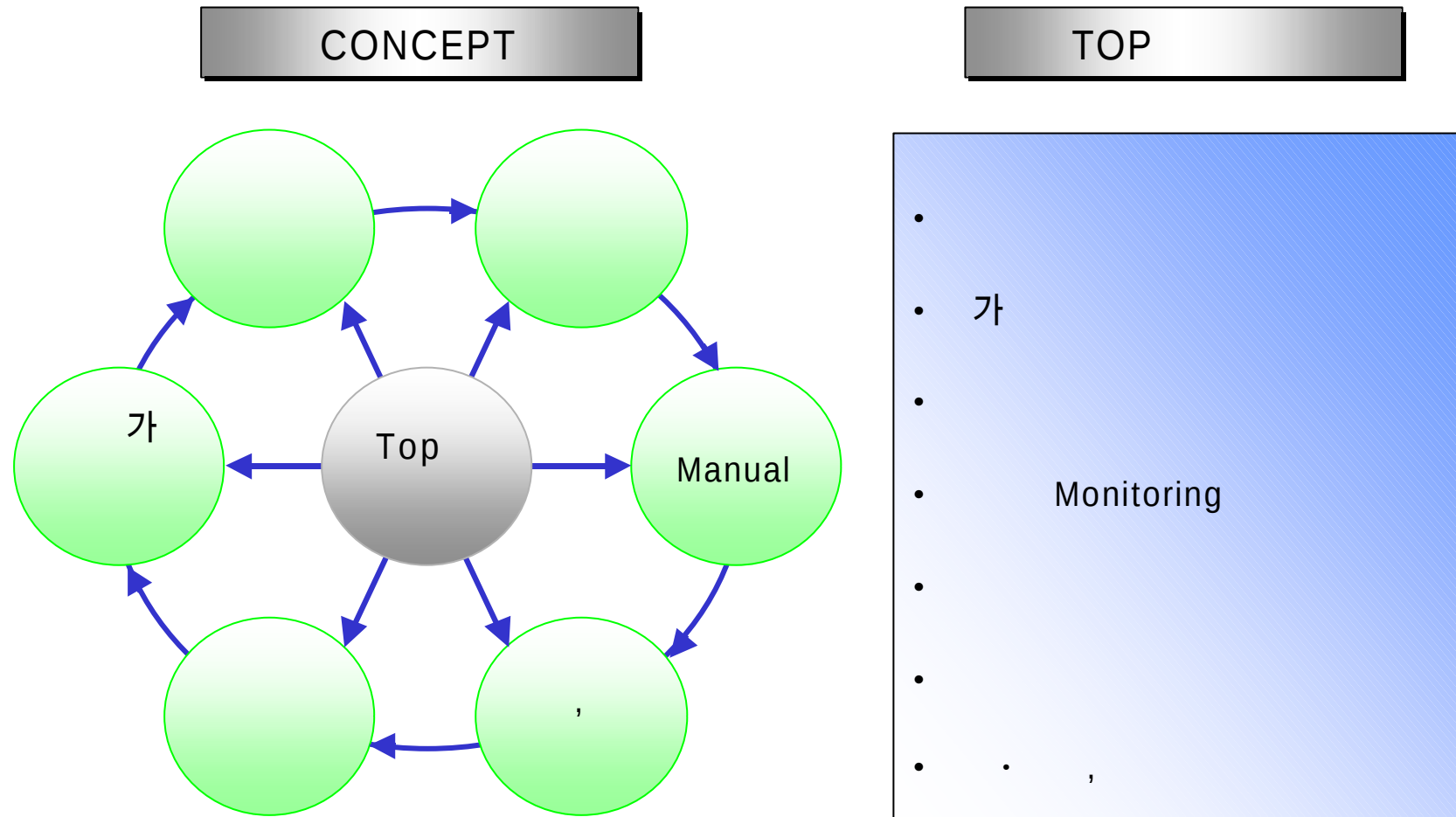




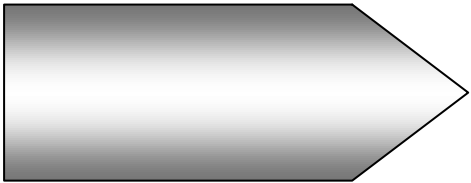
TPM	• , , ZERO • 가 , • , MIND
-----	---

				UTY	
	Loss				
•	STEP	-		○	-
	(PBM, PM , COST ..)		-		-
•		○	○	○	
				-	-
	Skill ,			○	-
MP	MP , •		○	○	○

	Loss (), A, B, C Rank Theme Improvement Activity						
	Theme Grade → A : , B : , C :						
	0 STEP	1 STEP	2 STEP	3 STEP	4 STEP	5 STEP	6 STEP
	5S			가			
	0 STEP	1 STEP	2 STEP	3 STEP	4 STEP	5 STEP	6 STEP
	5S						
	(,)	(:)	(:)	(:)	(:)	(:)	(:)
	Loss			Loss Know-Why, PM			
	1 STEP	2 STEP	3 STEP	4 STEP	5 STEP	6 STEP	7 STEP
	0 STEP	1 STEP	2 STEP	3 STEP	4 STEP	5 STEP	
				Model		LCC MP	/CD MP
	, (TP), , 가 , , TPM						
	Loss , (OEE) , , , ,						



1	: TPM	STEP()
2	: 6 CTQ	POWER



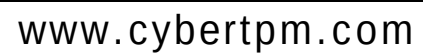
-
-

- ZERO
- ,
- ZERO
- Fool Proof, ,
-
- , PM , 5S



- Q, C, D

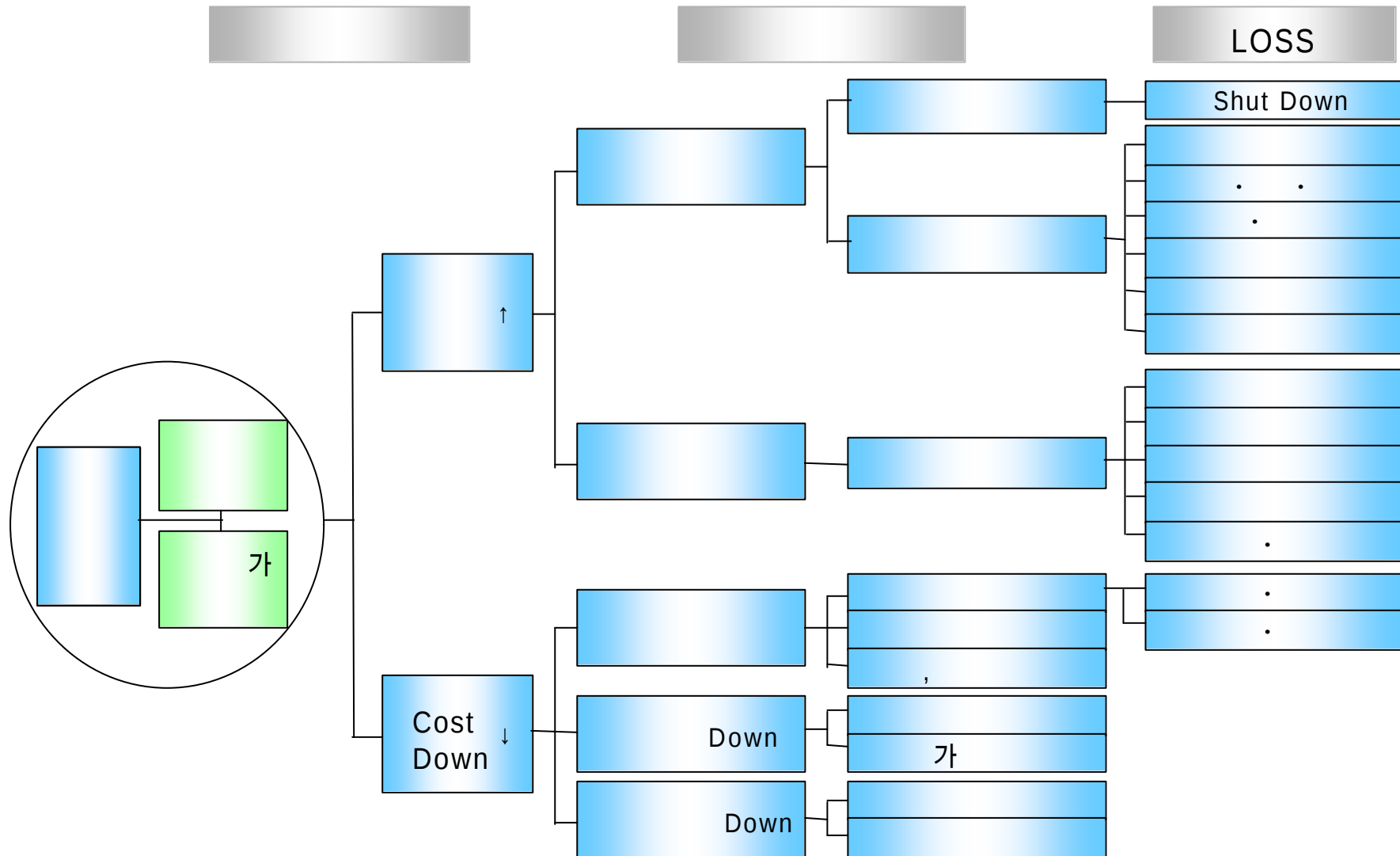
- CTQ
- CTQ
-
-
-
- 6 PROJECT



LOSS

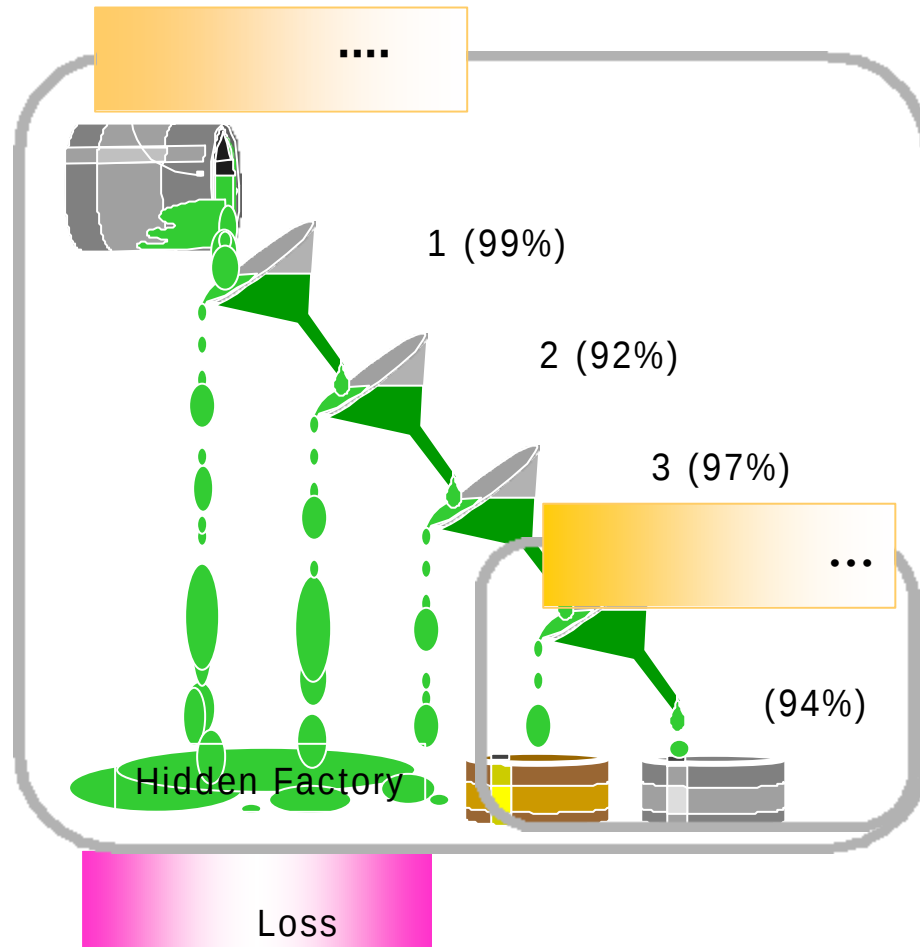
6σ

TPM



	TPM	6σ Project
D (DEFINITION)	-	DEFINITION - -
M (MEASUREMENT)	-	MEASUREMENT - CTQ - DATA &
A (ANALYSIS)	- - - PM	ANALYSIS - - VITAL FEW -
I (IMPROVEMENT)	- /	IMPROVEMENT - - -
C (CONTROL)		CONTROL -

Loss 가



,

6 RTY

$$= 1 \times 2 \times 3 \times \dots$$

RTY (6 + TPM)

$$\bullet \text{ LOSS}$$

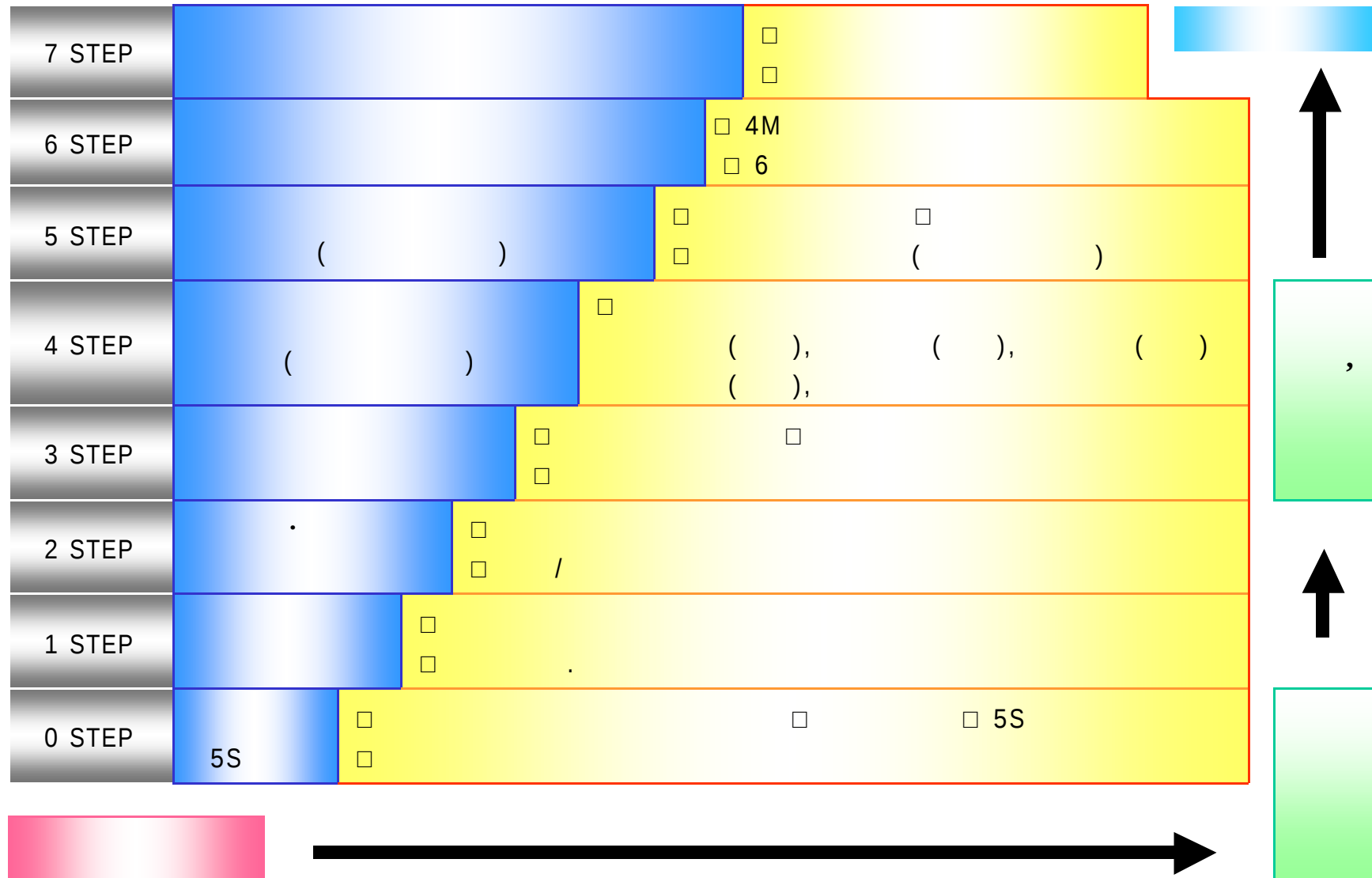
* RTY : Rolled Throughput Yield

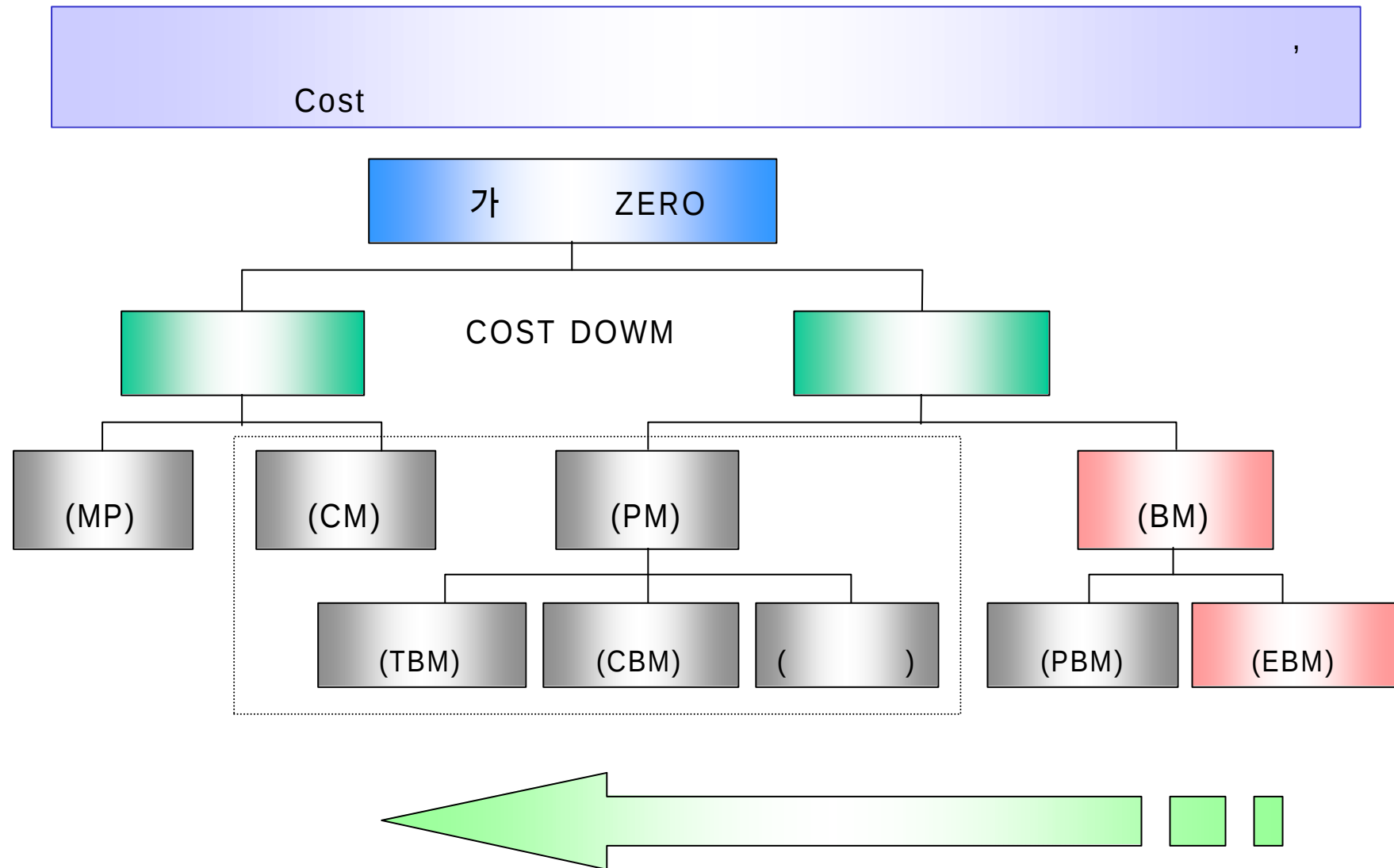
	가
가 (G/B 가)	: (TP) 가 : BB , , 가 (BB 가)
가	가 (5) 가 1 / ,
가	GB Project 가

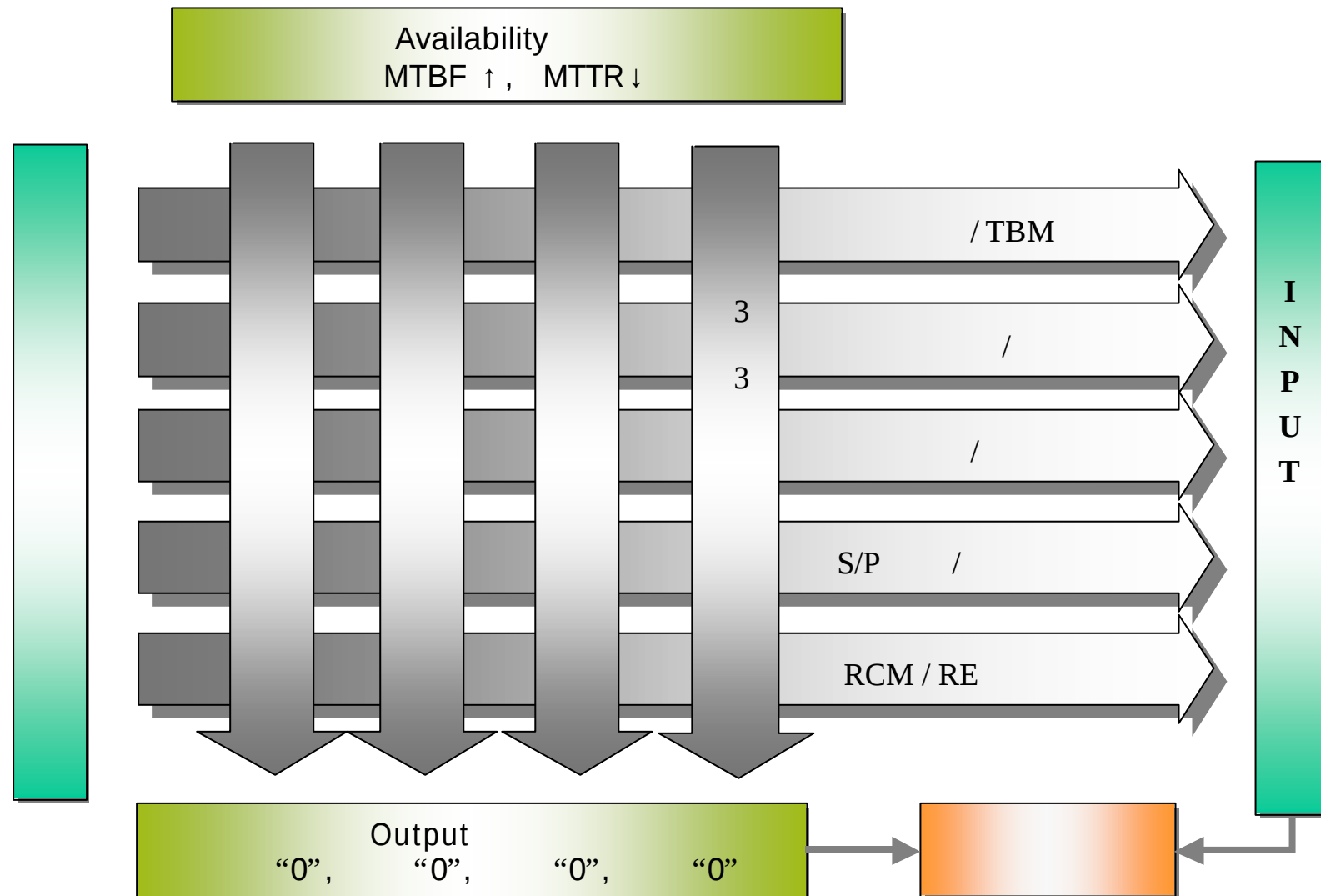
STEP

6σ

TPM



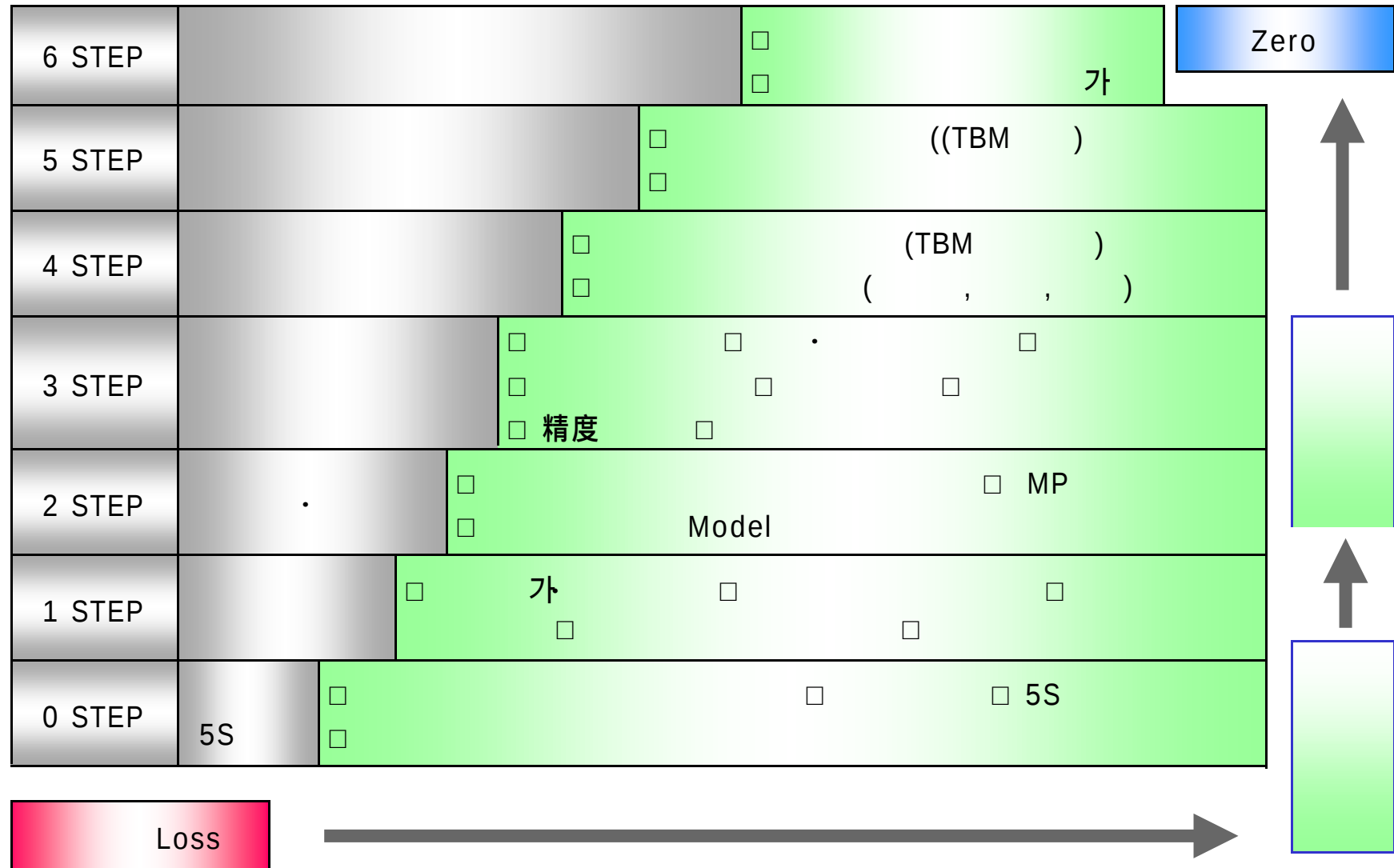


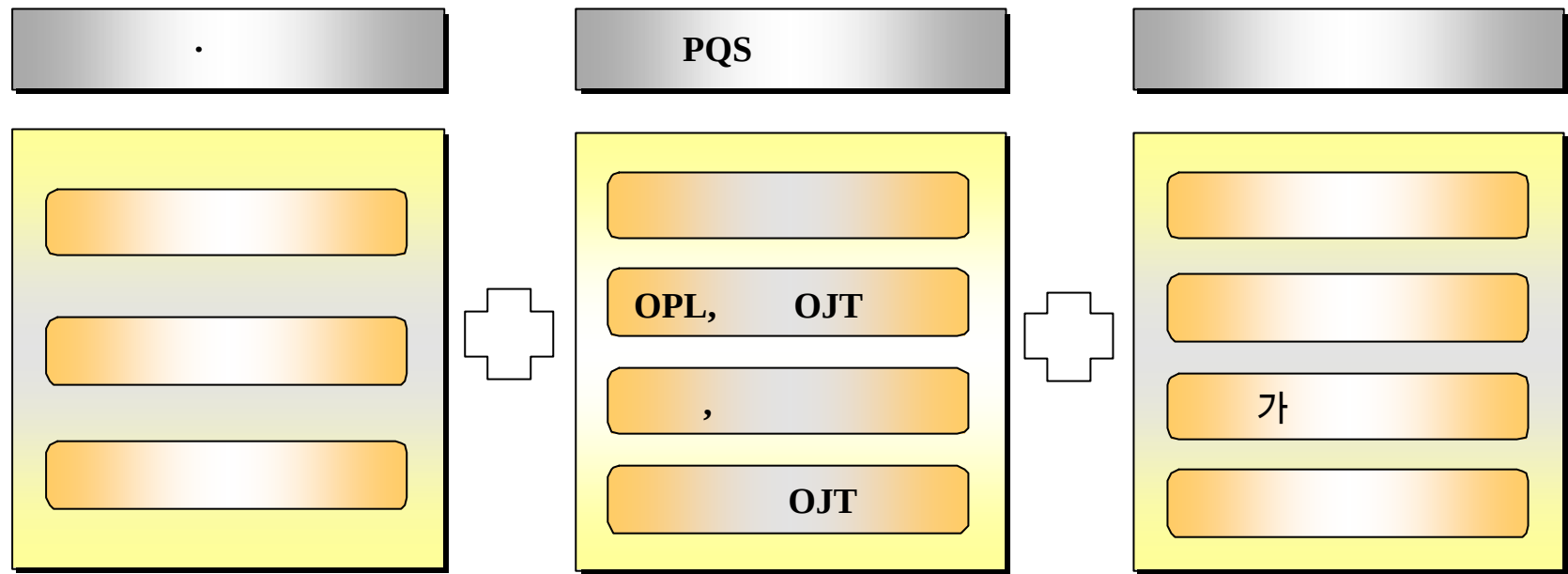


STEP

6σ

TPM





	PHASE I	PHASE II	PHASE III	PHASE IV
	PQS	PQS	PQS	PQS
	PQS	PQS	PQS	PQS

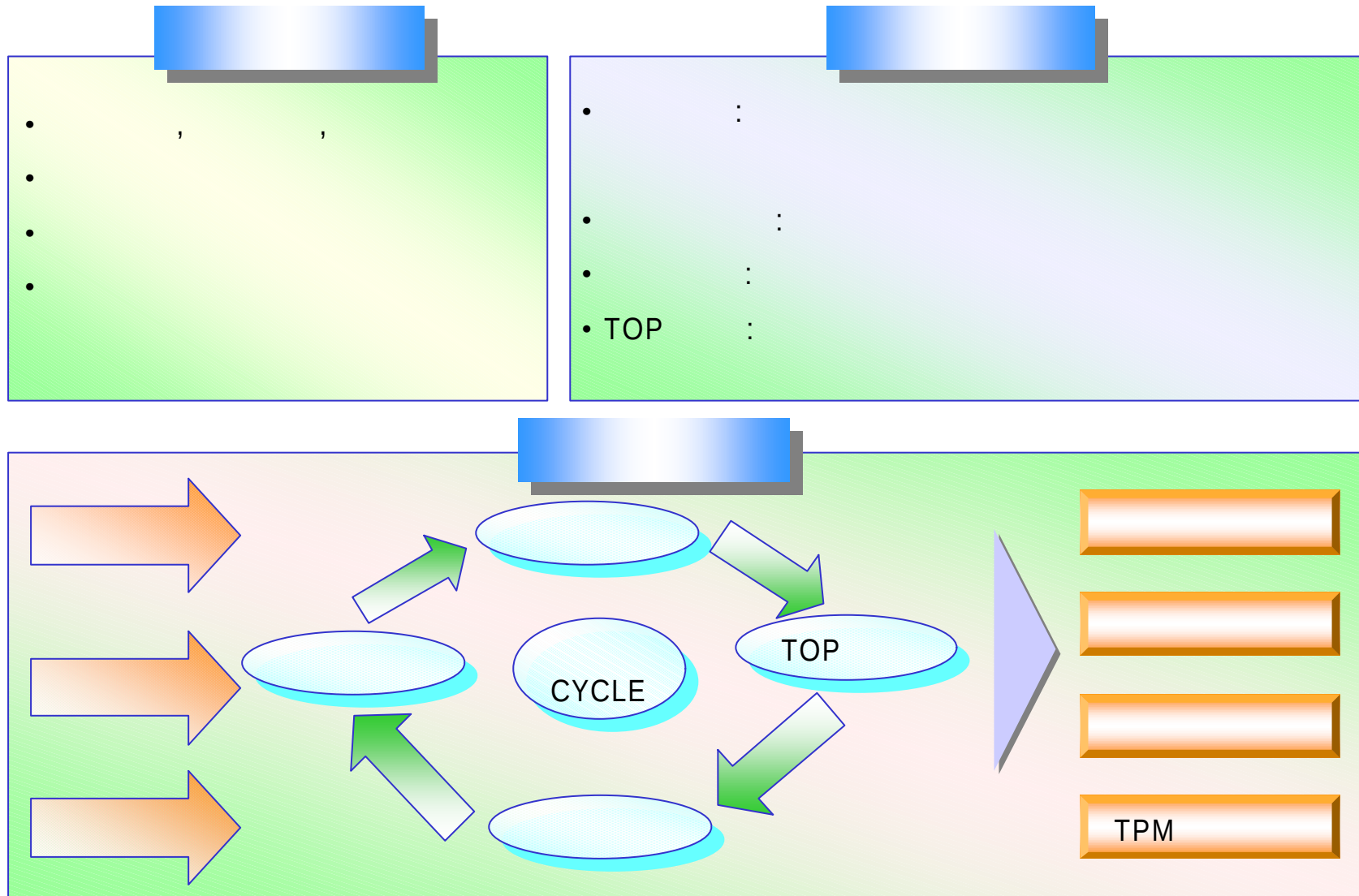
	1 STEP	2 STEP	3 STEP	4 STEP	5 STEP	6 STEP	7 STEP

	/			
	3S(, ,)	3S(5S , ,)	3S(5S , ,)	*
MP•	MP• 0~2 (, ,)	MP• 3 (.)	MP• 4 ()	LCC MP , CD MP
MP•				
	0 STEP	MP (Sheet,)	MP Flow	1
	1 STEP	MP (MP , , OPL)		2
	2 STEP			2
	3 STEP	Model	System 가 MP MP , , , MP , Check List	6
	4 STEP		MP Project LCC MP , MP Cost Down	24
()	* / : 가 MP• * , : MP MP * () : MP MP			

TPM STEP

6σ

TPM



: 權 五 運(Kwon Oh-Woon)
 : 16 (TPM - 13)
 ()
 ()
 (), (TPM)
 (1)
 (,)
 KSA TPM , TPM
 KSA TPM
 OJT
 TPM , 6 TPM, UTY
 Profit TPM, CMPR, , SPC

TPM (6)
 * LG * *
 * * *
 * * *
 * * *
 * * *
 * * *
 * OB * *
 * (4) *
 * *
 , OJT
 * LG * *
 * *