

To the South Korean Management Accounting Society

Target Costing and Management Accounting

～ Business Revolution via strategic management accounting ～

2012/5/17

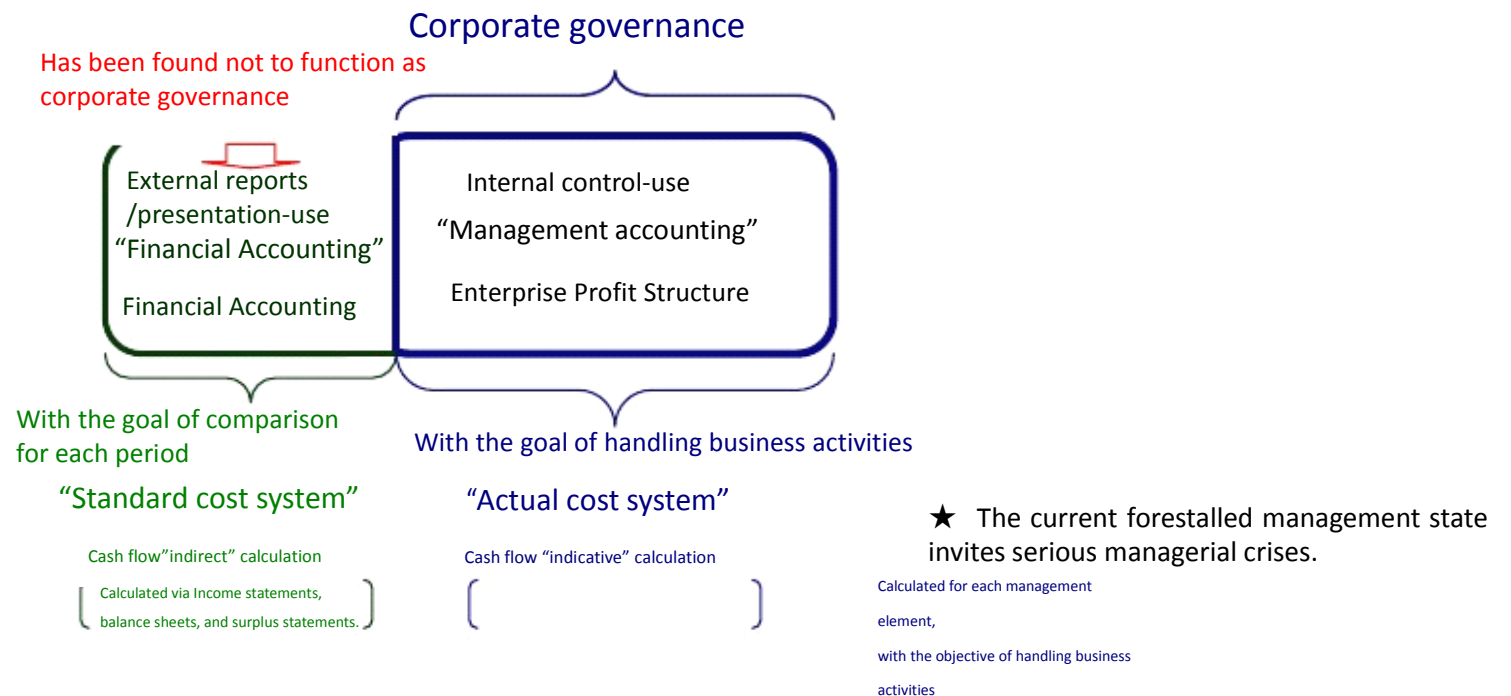
Alta Management Corporation

1. Financial Accounting and Management Accounting

In the IFRS International Financial Accounting Reporting Standards (mandatory in Japan-US as of 2015) and the US Enterprise Reform Act (SOX Act, mandatory as of 2002), it has been found that just by making the current “Actual cost system financial accounting” standards stricter, it wasn’t possible to avoid management fraud and untoward incidents such as “Enron” or “WorldCom”, etc. With the objective of recovering faith in the stock market, “creation of financial statements via management accounting of an actual cost system, for the purpose of corporate governance” has become mandatory.

In Japan as well, there have been frequent occurrences in recent years of fraud and untoward incidents, such as “Olympus” and “AIJ Investment Advisors, K.K”. In order to obtain recovery of the stock market, “making it mandatory to create financial statements in accordance with actual cost systems management accounting” has become a pressing issue.

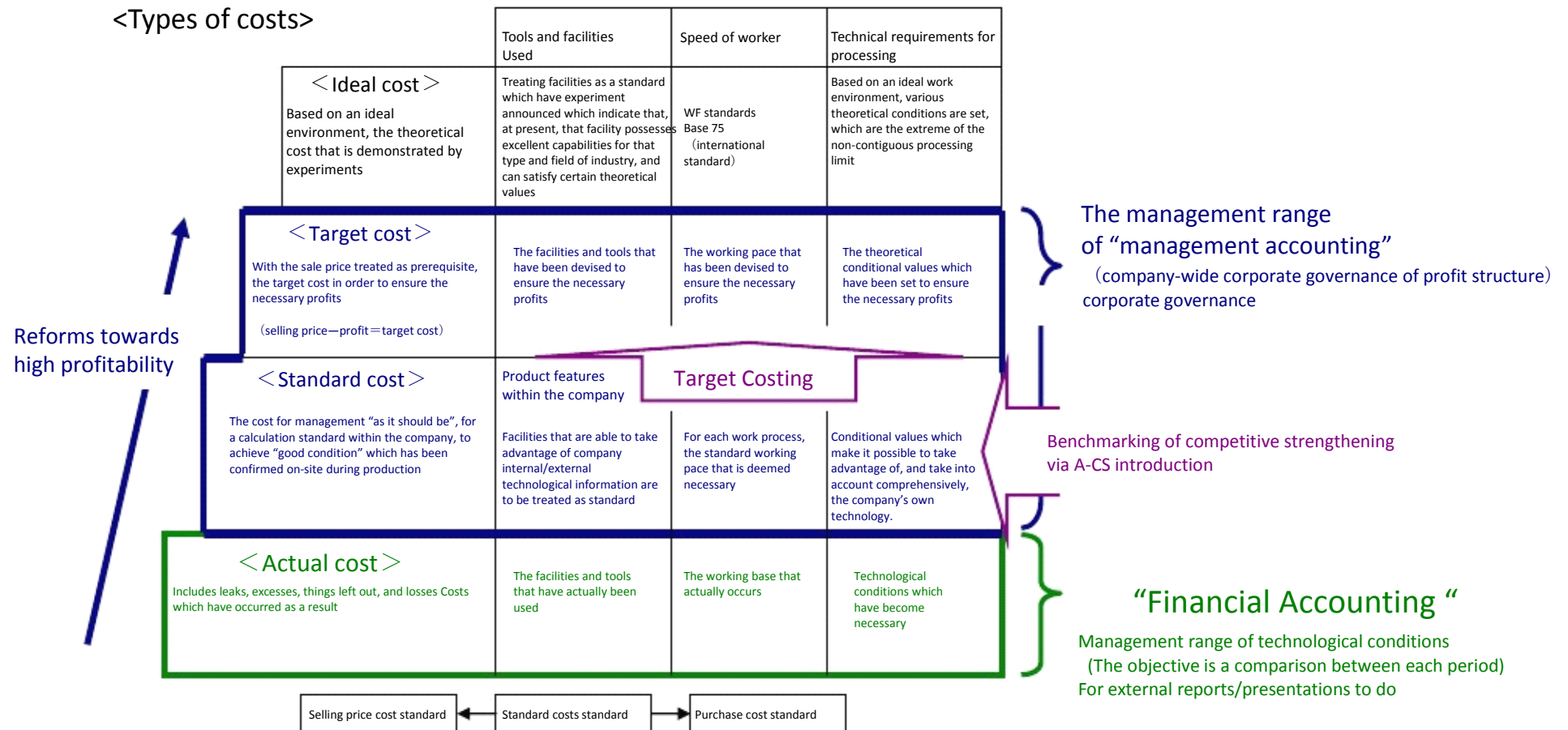
In the “ISO9000” revisions in the year 2000, manufacturing processes necessary for quality management systems, and a management system “technological standard and management standard strengthening” was requested. Furthermore, in relation to “risk management” as well, “actual cost system financial accounting” created from the results of calculations of income statements, balance sheets, and financial statements that include statements of retained earnings led to “a state of forestalled management which invites serious managerial crises”, along the lines of “not being able to judge without trying to produce first”, “not being able to understand without settlement”, “not understanding the actual cost which occurs at the production site” and suchlike. Excluding “managerial risks which are borne of forestalled management”, the “introduction of management accounting” which strengthens “the stock market’s transparency and reliability” and “the quality of enterprises, products and organizations” is certainly a pressing issue in terms of being part of global competition.



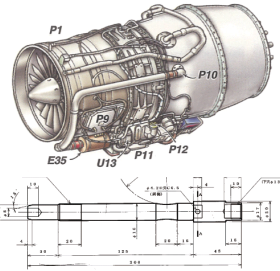
2. Target Costing and Management Accounting

In most business enterprises, there is an excessive emphasis on “actual cost system financial accounting” based on income statements, balance sheets, statements of retained earnings and suchlike financial statements. “Unstable operations management” such as “without trying to produce it, we won’t know the actual profits”, “regardless of summing up profits based on income statements, the business is in a state of having no funds”, and “even though the previous settlement was in the black, we were unable to spot signs of bankruptcy”, and suchlike. In Japan in 2008, of 44 listed companies, twenty ended up with in-the-black bankruptcy regardless of their recent settlement periods ending in the black.

Introduction of strategic management accounting in which “target costing profit structure is centralized/governed company-wide” will actualize a “business revolution towards high profitability”.



3. Target Cost Simulation System (A-CS)



STEP 1

Part No.	Part Name	Part No.	Part Name	Part No.	Part Name
10000	Shaft	10001	Key	10002	Washer
10003	Washer	10004	Washer	10005	Washer
10006	Washer	10007	Washer	10008	Washer
10009	Washer	10010	Washer	10011	Washer
10012	Washer	10013	Washer	10014	Washer
10015	Washer	10016	Washer	10017	Washer
10018	Washer	10019	Washer	10020	Washer
10021	Washer	10022	Washer	10023	Washer
10024	Washer	10025	Washer	10026	Washer
10027	Washer	10028	Washer	10029	Washer
10030	Washer	10031	Washer	10032	Washer
10033	Washer	10034	Washer	10035	Washer
10036	Washer	10037	Washer	10038	Washer
10039	Washer	10040	Washer	10041	Washer
10042	Washer	10043	Washer	10044	Washer
10045	Washer	10046	Washer	10047	Washer
10048	Washer	10049	Washer	10050	Washer
10051	Washer	10052	Washer	10053	Washer
10054	Washer	10055	Washer	10056	Washer
10057	Washer	10058	Washer	10059	Washer
10060	Washer	10061	Washer	10062	Washer
10063	Washer	10064	Washer	10065	Washer
10066	Washer	10067	Washer	10068	Washer
10069	Washer	10070	Washer	10071	Washer
10072	Washer	10073	Washer	10074	Washer
10075	Washer	10076	Washer	10077	Washer
10078	Washer	10079	Washer	10080	Washer
10081	Washer	10082	Washer	10083	Washer
10084	Washer	10085	Washer	10086	Washer
10087	Washer	10088	Washer	10089	Washer
10090	Washer	10091	Washer	10092	Washer
10093	Washer	10094	Washer	10095	Washer
10096	Washer	10097	Washer	10098	Washer
10099	Washer	10100	Washer	10101	Washer
10102	Washer	10103	Washer	10104	Washer
10105	Washer	10106	Washer	10107	Washer
10108	Washer	10109	Washer	10110	Washer
10111	Washer	10112	Washer	10113	Washer
10114	Washer	10115	Washer	10116	Washer
10117	Washer	10118	Washer	10119	Washer
10120	Washer	10121	Washer	10122	Washer
10123	Washer	10124	Washer	10125	Washer
10126	Washer	10127	Washer	10128	Washer
10129	Washer	10130	Washer	10131	Washer
10132	Washer	10133	Washer	10134	Washer
10135	Washer	10136	Washer	10137	Washer
10138	Washer	10139	Washer	10140	Washer
10141	Washer	10142	Washer	10143	Washer
10144	Washer	10145	Washer	10146	Washer
10147	Washer	10148	Washer	10149	Washer
10150	Washer	10151	Washer	10152	Washer
10153	Washer	10154	Washer	10155	Washer
10156	Washer	10157	Washer	10158	Washer
10159	Washer	10160	Washer	10161	Washer
10162	Washer	10163	Washer	10164	Washer
10165	Washer	10166	Washer	10167	Washer
10168	Washer	10169	Washer	10170	Washer
10171	Washer	10172	Washer	10173	Washer
10174	Washer	10175	Washer	10176	Washer
10177	Washer	10178	Washer	10179	Washer
10180	Washer	10181	Washer	10182	Washer
10183	Washer	10184	Washer	10185	Washer
10186	Washer	10187	Washer	10188	Washer
10189	Washer	10190	Washer	10191	Washer
10192	Washer	10193	Washer	10194	Washer
10195	Washer	10196	Washer	10197	Washer
10198	Washer	10199	Washer	10200	Washer

Part Loading
To begin the estimation process, first a part must be created or loaded. Clicking on a part number opens the Preliminary Data Window.

STEP 2

Preliminary Data
This window is used to edit part names and numbers, defining material shape and composition and for loading and viewing CAD drawings and photographs of the part.

STEP 3

Materials
Edit material dimensions based on material shape and composition defined in the Preliminary Data window.

STEP 4

Procedure
For accurate estimations, each procedure in the manufacturing process must be detailed.

STEP 5

Cost/Lot Information
Optionally edit Machine Cost, Labor Cost Ratios and input Lot Information.

A-CS : Shaft B Flow Model

Unit Cost Estimate

Date: 1999/12/16 UNIT COST ESTIMATE
Prepared: [] Checked: [] Supervisor: []
(Part, Manufacturing, Machine)

Product Name	Sample	Part No.	Part Name	Part No.	Part Name
10000	10000	10000	10000	10000	10000
10001	10001	10001	10001	10001	10001
10002	10002	10002	10002	10002	10002
10003	10003	10003	10003	10003	10003
10004	10004	10004	10004	10004	10004
10005	10005	10005	10005	10005	10005
10006	10006	10006	10006	10006	10006
10007	10007	10007	10007	10007	10007
10008	10008	10008	10008	10008	10008
10009	10009	10009	10009	10009	10009
10010	10010	10010	10010	10010	10010
10011	10011	10011	10011	10011	10011
10012	10012	10012	10012	10012	10012
10013	10013	10013	10013	10013	10013
10014	10014	10014	10014	10014	10014
10015	10015	10015	10015	10015	10015
10016	10016	10016	10016	10016	10016
10017	10017	10017	10017	10017	10017
10018	10018	10018	10018	10018	10018
10019	10019	10019	10019	10019	10019
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10022	10022	10022	10022	10022	10022
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10024	10024	10024	10024	10024	10024
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10032	10032	10032	10032	10032	10032
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10034	10034	10034	10034	10034	10034
10035	10035	10035	10035	10035	10035
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10044	10044	10044	10044	10044	10044
10045	10045	10045	10045	10045	10045
10046	10046	10046	10046	10046	10046
10047	10047	10047	10047	10047	10047
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10070	10070	10070	10070	10070	10070
10071	10071	10071	10071	10071	10071
10072	10072	10072	10072	10072	10072
10073	10073	10073	10073	10073	10073
10074	10074	10074	10074	10074	10074
10075	10075	10075	10075	10075	10075
10076	10076	10076	10076	10076	10076
10077	10077	10077	10077	10077	10077
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10081	10081	10081	10081	10081	10081
10082	10082	10082	10082	10082	10082
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10090	10090	10090	10090	10090	10090
10091	10091	10091	10091	10091	10091
10092	10092	10092	10092	10092	10092
10093	10093	10093	10093	10093	10093
10094	10094	10094	10094	10094	10094
10095	10095	10095	10095	10095	10095
10096	10096	10096	10096	1	

Process Sheet for Quality Control

Reference no.:

Product name:

Parts name:

Parts no.:

Lot amount: 100

<<<<Process design 1: NC Lathe>>>>

Name of equipment used: 7 NC automatic lathe A (Control requirement modulus (1.1150) / Machine rigidity modulus (1.000) / Handling-by-hand modulus (1.000)

Processing cost rate: <Environment> For Processing time: 28.1453 (yen/min) For Set up time: 60.8762 (yen/min)

Processing lot: <Common> (100 pieces)

Routing 1: <Installation>

► Chuck installation

Attaching and detaching of materials

Material weight: 0.03496 kg

Method of attaching and detaching: "Installation"

Chuck to be used: Automatic supply of materials (used for NC automatic lathe)

Inspection tool: No inspection

Attaching and detaching time of materials (0.01 min) x times (1) = 0.010 min

Clamping time: (Rotation time (0.05 min) x point A (1.00) + time (0.05 min) x point B (1.00)) x times (1) = 0.100 min

Centering time (0.00 min) x times (1) = 0.000 min

Basic time: 0.110 min

Routing 2: <External diameter & end face>

► Cutting Cutting times: 1

Cutting length: (Diameter before cutting – diameter after cutting) / 2 (4.000 mm) + margin (1.000 mm) = 5.000 mm

Total cutting depth: 1.000 mm

Finishing

$V = 7.00 \text{ m/min}$ $f = 0.320 \text{ mm/rev}$ Cutting depth: 1.000 mm/rev Cutting: 250.0

Cutting diameter = 4.0000 mm Rotation speed $N = 4297.0 \text{ rpm}$ Time = 0.0036 min.

Cutting time (0.0036 min) / machine rigidity (100.0 / 100) x cutting point (1) = 0.0036 min

► Position alignment

- Alignment time (0.01 min) x alignment times (1) x cutting point (1) = 0.010 min

► Tool return

Return distance to zero point: Return to zero point (0.00 mm) x 2 + (cutting point (1) – 1) x 2 x distance between points (0.00 mm) = 0.000 mm

Total distance of tool return: Return distance (6.00 mm) x cutting point (1) + return distance to zero point = 6.000 mm

- Total distance of tool return (6.00 mm) / return speed (20000.0 mm / min) = 0.000 min

► Tool exchange

- Process change + tool exchange

Total exchange time: Tool exchange basic time (0.010 min) x exchange times (1) = 0.010 min

Process Sheet for Quality Control

Reference no.:

Product name:

Parts name:

Parts no.:

Lot amount: 100

Routing 3: <Center hole opening>

▶ Cutting

Cutting length: (Hole depth (2.000 mm) + hole cutting margin (1.000 mm) + margin (1.00 mm)) = 4.000 mm

V: 20.00 m/min f: 0.050 mm/rev Cutting: 100

Cutting diameter: 2.0000 mm Rotation speed N: 954.0 rpm Cutting time: net time (0.0839 min) x step modulus (1.000) x molding compound modulus (1.000) = 0.0839 min

Cutting time (0.0839 min) / machine rigidity (100.0/100) x cutting point (1) = 0.0839 min

▶ Position alignment

- Alignment time (0.01 min) x alignment times (1) x cutting point (1) = 0.010 min

▶ Tool return

Return distance to zero point: Return to zero point (0.00 mm) x 2 + (cutting point (1) - 1) x 2 x distance between points (0.00 mm) = 0.000 mm

Total distance of tool return: Return distance (4.00 mm) x cutting point (1) + return distance to zero point = 4.000 mm

- Total distance of tool return (4.00 mm) / return speed (20000.0 mm/min) = 0.000 min

▶ Tool exchange

- Process change + tool exchange

Total exchange time: Tool exchange basic time (0.010 min) x exchange times (1) = 0.010 min

Routing 4: <Drilling>

► Cutting

Cutting length: (Hole depth (10.000 mm) + hole cutting margin (1.500 mm) + margin (1.00 mm)) = 12.500 mm

V: 20.00 m/min f: 0.100 mm/rev Cutting: 100

Cutting diameter: 3.0000 mm Rotation speed N: 636.0 rpm Cutting time: net time (0.1965 min) x step modulus (1.133) x molding compound modulus (1.000) = 0.2227 min

Cutting time (0.2227 min) / machine rigidity (100.0/100) x cutting point (1) = 0.2227 min

► Position alignment

- Alignment time (0.01 min) x alignment times (1) x cutting point (1) = 0.010 min

► Tool return

Return distance to zero point: Return to zero point (0.00 mm) x 2 + (cutting point (1) - 1) x 2 x distance between points (0.00 mm) = 0.000 mm

Total distance of tool return: Return distance (12.50 mm) x cutting point (1) + return distance to zero point = 12.500 mm

- Total distance of tool return (12.50 mm) / return speed (20000.0 mm/min) = 0.001 min

► Tool exchange

- Process change + tool exchange

Total exchange time: Tool exchange basic time (0.010 min) x exchange times (1) = 0.010 min

Routing 5: <Tapping>

► Cutting

Cutting length: (Screw length (8.000 mm) + hole cutting margin (0.000 mm) + margin (1.00 mm)) x

Unit Price Comparison Chart

Company "A"

	Company Name	Material Name	Materials Unit Cost	Materials Cost(Tot.)	Setup Time (min.)	Processing Time (min.)	Setup Costs	Processing Exp.	Processing Exp. Tot.	Shipping Cost	Rule Tooling Cost	Surfacing	Other	Totals
Pedal	A-CS	SUS303		¥193	25	6	¥779	¥336	¥1,115					¥1,308
	Company A	SUS303		¥450	20	60	¥1,000	¥3,000	¥4,000	¥700			¥890	¥6,040
	Company B	SUS303		¥300	35	85	¥500	¥4,250	¥4,750				¥500	¥5,550
	Company C	SUS303		¥270	30	120	¥1,900	¥7,600	¥9,500					¥9,770
									¥0					¥0
Ashtray	A-CS	A5052P		¥2,924	20	6	¥1,428	¥4,527	¥5,953					¥8,877
	Company A	A5052P		¥2,775	120	120	¥10,500	¥12,000	¥22,500	¥700			¥5,055	¥31,030
	Company B	A5052P		¥1,360		300	¥3,000	¥12,640	¥15,640				¥3,000	¥20,000
	Company C	A5052P		¥3,040	20	84	¥1,400	¥5,628	¥7,028	¥1,200				¥11,268
	Company D	A5052P		¥2,800	60	120	¥2,000	¥2,800	¥7,700					¥10,500
Bookstand	A-CS	spcc		¥23	25	4	¥2,300	¥388	¥2,688					¥2,711
	Company A	spcc		¥30	42	24	¥2,100	¥1,200	¥3,300	¥700		¥3,000	¥666	¥7,696
	Company B	spcc		¥32	96	5	¥4,370	¥287	¥4,657					¥4,689
	Company C	spcc		¥61	43	3	¥2,995	¥302	¥3,297	¥1,400				¥4,758
	Company D	spcc		¥61	53	9	¥3,445	¥1,782	¥5,227	¥1,400				¥6,688

Precision Equipment/Machine Tools Manufacturer(Ex.)

Cost Reduction : Actual Case

		No.of Parts	Present Unit Cost	Est. Costs	New Unit Cost	Diff.	C/D %	Achievement Ratio	Monthly C/D total	Annual C/D total
Man. Div	Press	303	785,749	320,782	621,220	164,529	20.9%	51.6%	2,060,208	24,722,496
	Cutter	123	247,907	105,003	142,906	105,001	42.4%	73.5%	131,438	477,256
	Totals	426	1,033,656	425,785	764,126	269,530	26.1%	55.7%	2,191,646	25,199,752
Man. Div	Press	204	527,251	437,462	453,938	73,313	13.9%	96.4%	808,981	9,707,772
	Cutter	45	4,644	910	908	3,736	80.4%	100.2%	179,328	2,151,936
	Totals	249	531,895	438,372	454,846	77,049	14.5%	96.4%	988,309	11,859,708
Grand Totals		675	1,565,551	864,157	1,218,972	346,579	22.1%	70.9%	3,179,955	37,059,460

Company "D"

↑
A-CS

★6 months later: 98% achievement rate

Cost Comparison Chart

Using a 20-year veteran as the targeted labor standard, 2 employees with only 4 months experience achieved significant cost reductions.

No.	品名	Part No.	Purchasing Cost	A-CS	%	No.	品名	Part No.	Purchasing Cost	A-CS	%
1	back panel L		¥42,000	¥25,287	166%	1	suppression board (C)		¥700	¥244	287%
2	back panel R		¥66,000	¥19,067	346%	2	suppression board (B)		¥1,300	¥584	223%
3	side panel L2		¥65,000	¥16,068	406%	3	suppression board (A)		¥1,500	¥640	234%
4	side panel R1		¥70,000	¥12,485	561%	4	side panel (B)		¥16,000	¥19,579	82%
5	side panel L1		¥65,000	¥9,134	712%	5	side panel (C)		¥13,600	¥14,119	96%
6	side panel R2		¥70,000	¥16,068	436%	6	adjuster (support)		¥2,900	¥788	368%
7	hinge base A		¥2,500	¥2,441	102%	7	vacuum sensor		¥700	¥1,030	68%
8	hinge base B		¥2,500	¥2,425	103%	8	rack bar		¥1,500	¥1,087	138%
9	back-side hinge base		¥4,800	¥2,668	180%	9	controller		¥2,200	¥781	282%
10	block cover		¥8,000	¥1,473	543%	10	magnetic key bar		¥800	¥352	227%
11	block panel clamp		¥7,500	¥3,582	209%	11	fixed angle cover(D)		¥450	¥636	71%
12	back panel L		¥42,000	¥25,089	167%	12	back panel block clamp		¥2,000	¥1,586	126%
13	fixed-cover angle (A)		¥450	¥111	405%	13	fixed cover angle(B)		¥400	¥408	98%
14	pin		¥350	¥1,016	34%	14	angle		¥400	¥359	111%
15	Pin installation board		¥1,900	¥1,169	163%	15	spacer		¥500	¥251	199%
16	front-bottom panel		¥9,800	¥4,230	232%	16	pin installation board		¥640	¥446	143%
17	key metal fittings(A)		¥980	¥1,044	94%	17	panel installation board		¥450	¥364	124%
18	key metal fittings (B)		¥980	¥1,044	94%	18	metal fittings (panel)		¥580	¥585	98%
19	fixed-angle cover (B)		¥450	¥373	121%	19	panel guide(A)		¥1,800	¥1,129	158%
20	magnetic spacer		¥150	¥775	19%	20	pin		¥640	¥787	81%
21	panel A(L)		¥14,520	¥6,578	221%	21					
22	fixed side door (R)		¥15,000	¥5,393	278%	22					
23	fixed side door (L)		¥15,000	¥5,439	276%	23					
24	roof panel		¥0	¥12,117	0%	24					

25	panel (D)		¥21,200	¥13,781	154%	25					
26	panel (E)		¥21,200	¥13,781	154%	26					
27	exhaust port		¥1,500	¥478	314%	27					
28	bar supporter (top)		¥5,900	¥11,849	50%	28					
29	waveguide cover		¥6,100	¥10,865	56%	29					
30	internal cover (L)		¥2,400	¥2,167	111%	30					
31	internal cover (R)		¥2,400	¥2,167	111%	31					
32	internal cover-C (L)		¥2,400	¥2,269	106%	32					
33	internal cover-C (R)		¥2,400	¥2,269	106%	33					
34	Hinge installation board (A)		¥700	¥479	146%	34					
35	Hinge installation board (B)		¥500	¥194	258%	35					
36	back panel block clasp		¥2,000	¥1,187	168%	36					
37	hinge installation board		¥900	¥664	136%	37					
38	screw		¥1,500	¥418	359%	38					
39	fixed-angle cover		¥450	¥272	165%	39					
40	magnetic catch		¥300	¥154	195%	40			¥625,770	¥283,825	220%

A-CS

(Heavy Equipment)

Purchasing Cost Reduction (Actual Case)

<Verified Data Group A>

No.	Part No.	Part Name	Materials Cost	Process Exp.	Packing Costs	Shipping Costs	Other Costs	Totals	Unit #/mo
1	DT-128479		0	1659.1	0	0	0	1659.1	
2	DT-128479-1	Pipe	22.7	751.31	0	0	0	774.01	
3	DT-128479-2	Pipe	22.7	751.31	0	0	0	774.01	
4	DT-128479-3	Pipe	22.7	751.31	0	0	0	774.01	
5	E555094	Pin	158.81	139.34	0	0	0	337.15	
6	E590937	Nut	113.52	264.19	0	0	0	377.71	
7	E544090	Indicator	11.04	57.94	0	0	0	68.98	
8	ET-476192		0	312.96	0	0	0	312.96	
9	ET-476194		0	206.56	0	0	0	206.56	
10	ET-514020		1195.08	4032.36	0	0	0	5227.44	
11	ET-514021		205.78	5984.8	0	0	0	5902.35	
	Totals		1752.31	14992	0	0	0	16414.31	

Part No.	Pre-or Costs	A-CS	C/D %	Difference diff=(1)-(2)
DT-128479	905.0	4500.87	50.27%	4549.33
E555094	84.4	337.15	80.88%	526.85
E590937	35.5	377.71	-18.22%	-52.71
E544090	5.5	68.98	18.81%	18.02
ET-514020	157.6	5227.44	66.91%	10548.56
ET-514021	199.3	5902.35	-294.50%	-4237.35
Totals	2612.0	16414.3	43.52%	11370.7

<Verified Data Group B>

No.	Part No.	Part Name	Materials Cost	Process Exp.	Packing Costs	Shipping Costs	Other Costs	Totals
1	bb001		0	1705.82	0	0	0	1705.82
2	bb001-1	Base1	288.85	652.17	0	0	0	940.02
3	bb001-2	Base2	484.52	1180.19	0	0	0	1664.71
4	bb001-3	Base3	115.11	462.42	0	0	0	577.53
5	dy-42850	duct	0	14363.75	0	0	0	14363.75
6	dy-42850-1	pipe	26628.09	1392.85	0	0	0	27978.74
7	dy-42850-2	pipe	8525.35	1218.46	0	0	0	9741.81
8	dy-42850-3	flange	3420.55	2609.42	0	0	0	6029.97
9	dy-42850-4	stud	3420.55	2609.42	0	0	0	6029.97
10	dy-42850-5	nut	3420.55	2609.42	0	0	0	6029.97
11	dy-42850-6	flange	3420.55	2609.42	0	0	0	6029.97
12	nia55508	panel	208.56	1038.91	0	0	0	1298.87
13	nia25177	base rotating	16.47	3627.89	0	0	0	3644.36
14	nia78381		0	2424	0	0	0	2424
15	nia78381-1	purst	3108.81	4289.61	0	0	0	7394.42
16	nia78381-2	purst	52.39	0	0	0	0	52.39
17	nia78381-3	nate	0	2.57	0	0	0	2.57
18	dy-1845	hel l	814.82	3307.37	0	0	0	3921.99
	Totals		53732.37	48307.6	0	0	0	100039.97

Part No.	Pre-or Costs	A-CS	C/D %	Difference diff=(1)-(2)
bb001	1754.4	8195	53.40%	6389
dy-42850	20000.0	76240.18	81.88%	123759.82
nia55508	11.6	1298.87	-15.30%	-172.87
nia25177	129.4	3644.36	-202.19%	-2680.36
nia78381	126.1	6673.38	21.77%	2747.82
Totals	23226.5	99551.79	57.26%	132063.21

Chart: Verified Data Group A

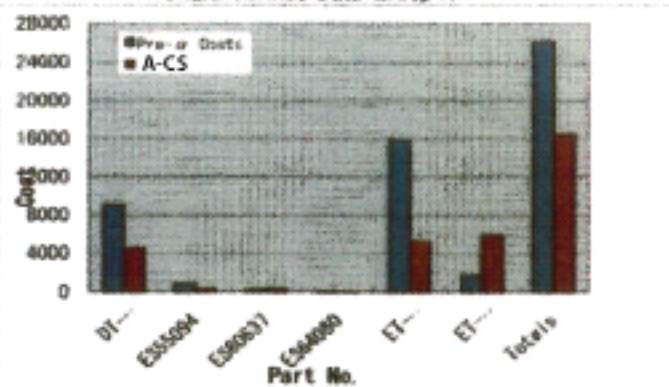
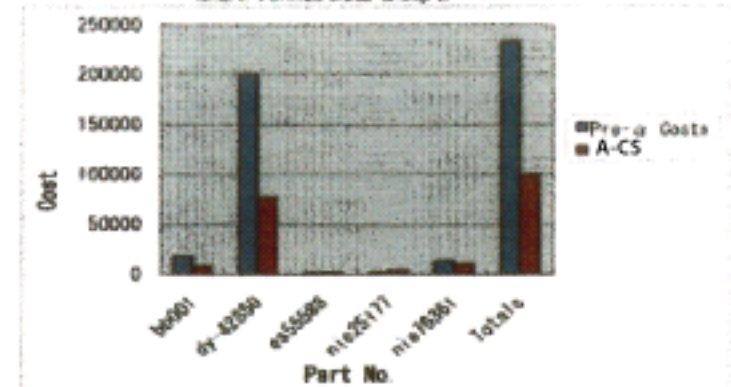


Chart: Verified Data Group B



4. Technology and cost information centralization ! (Example)

The only nations in the world with a full-scale production technology sector are Japan and Germany. With the A-CS technology cost simulation system's introduction, the "competitive strengthening benchmarking" and "management accounting system which governs the whole company's target costing profit initiatives, via centralization of technology and cost information", which have been evaluated by Germany and the Target Costing International research organization CAM-I as being a "world target costing initiative" and a "target costing best practice", has achieved top-of-the-world profitability.

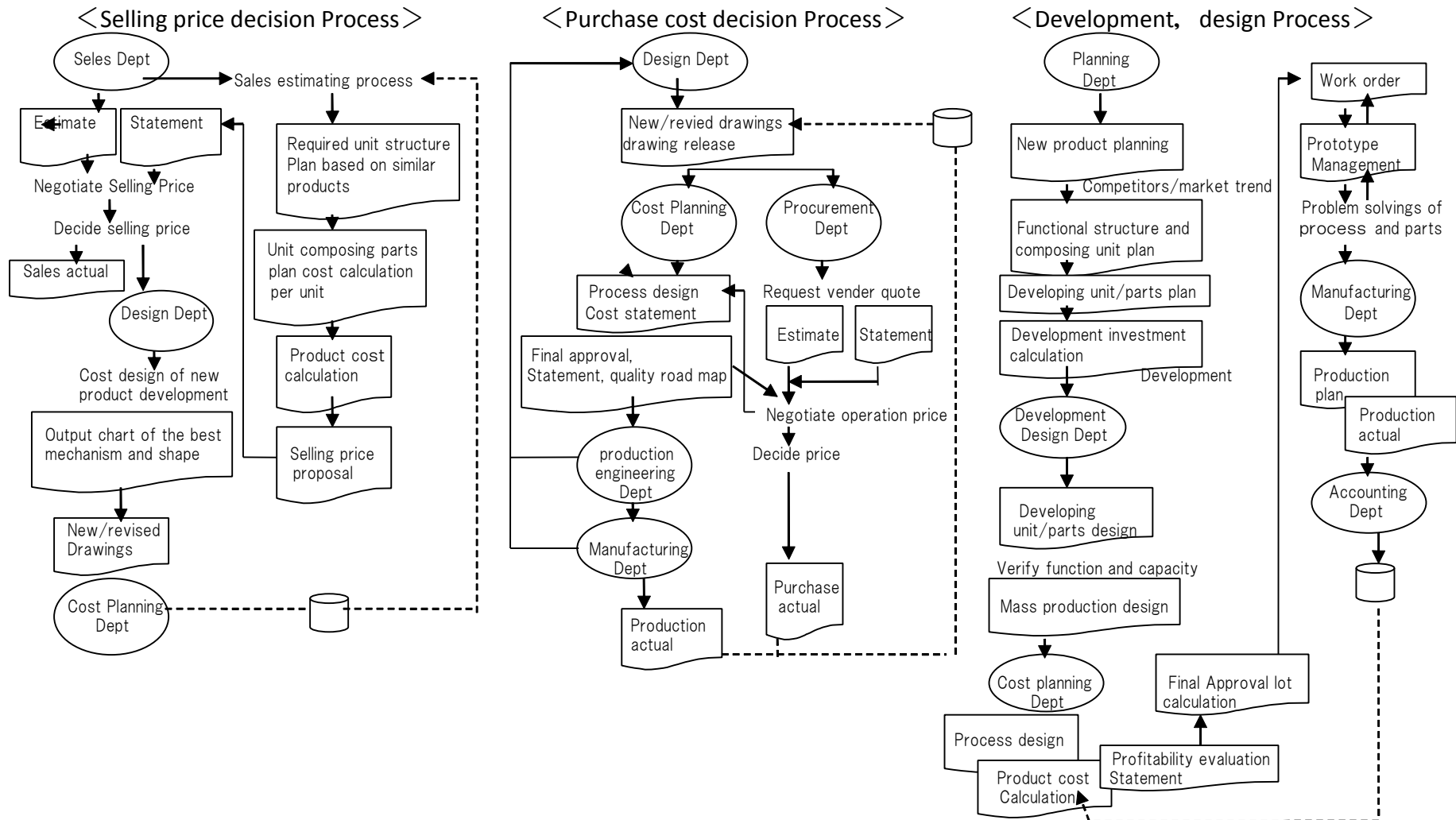
The birth of high profitability!



5. Business Revolution via Management Accounting(Example)

ORGANIZATION STRUCTURE

Company F had a typical standard organization process with many redundancies which caused unnecessary labor, time and cost.



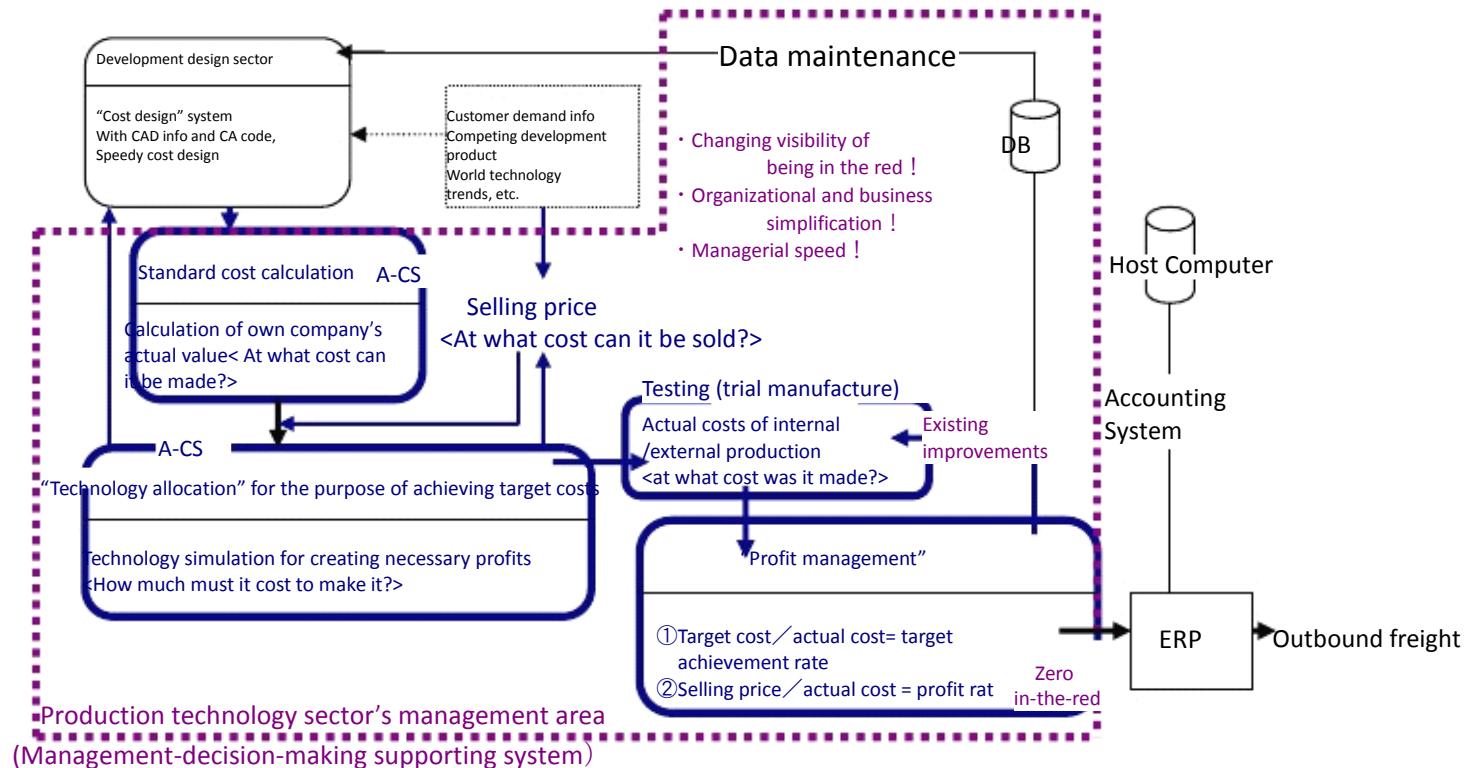
6. Reforming for high profitability ! (Example)

~ Paradigm Shift ~

Compared to the easy-to-copy “product design”, the difficult-to-transfer “production technology” is classified as the business’ operating knowhow, and accelerates differentiation on a worldwide scale. That production technology sector that is the “centre of strategy” is a “sector with responsibility in terms of quality, reliability and cost”, and in order to directly connect the results of those activities to enterprise performance results, the range of statements of the production technology sector ranges “from the production site to the enterprise planning division”, and it is the most important strategic sector in terms of holding core functions for enterprise operations. The “strategic management accounting system” for the production technology sector which centralizes/governs company-wide target costing has, since 1993, boasted the worldwide top-of-the-industry “operational simplification, speed and enterprise profitability”.

That strategic management accounting is:

- ① A mechanism (system and structure) of thorough “technology and cost information centralization”.
- ② Able to create cost plans which are well-timed, at the same time, level and extent of precision.
- ③ Able to quickly handle repeated design changes and process improvements, and able to thoroughly remove losses of opportunity.
- ④ Having cost information that is visible to anyone, and being able to contribute to cost reduction activities. etc.

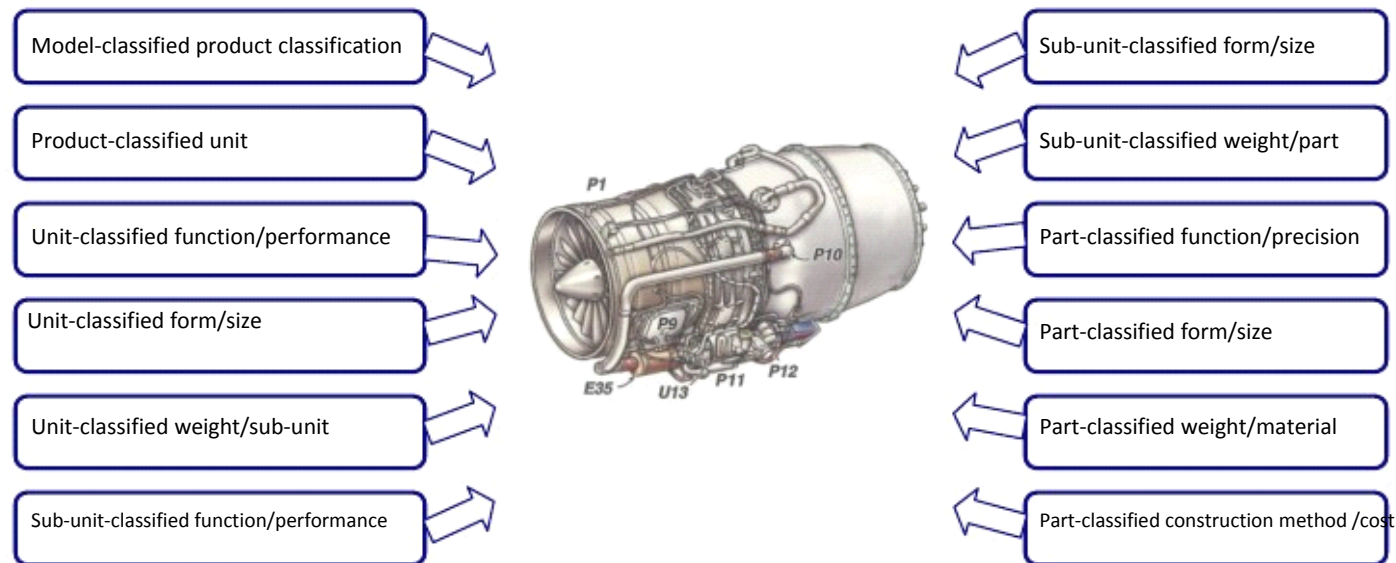


7. Improving sharing, standardization and development speed! (Example)

In the midst of constantly-repeated daily activities, CA code compilation design involves:

- ① With the compilation design of similar info, development hints come to the surface.
- ② With the compilation design of similar info, development image can be shared.
- ③ With the compilation design of similar info, highly reliable planning developments are possible
- ④ With the compilation design of similar info, the most economically viable new products can be developed quickly.
- ⑤ With the compilation design of similar info, excesses, wastes, leakages, losses, malfunctions and recalls can be removed.
- ⑥ With the compilation design of similar info, development effectiveness, simplification and improved speed can be obtained.
- ⑦ With the compilation design of similar info, sharing, standardization and medullisation are quickly possible.
- ⑧ With the compilation design of similar info, anyone can make an optimum process design, and quickly calculate costs.
- ⑨ With the compilation design of similar info, VE, QC, IE improvements and suchlike can be done quickly.
- ⑩ For product numbers that are relatively uncommon, “cost planning and management” is possible. etc.

This maximises cost reduction from a variety of standpoints which would not have been possible with conventional improvement methods and techniques.

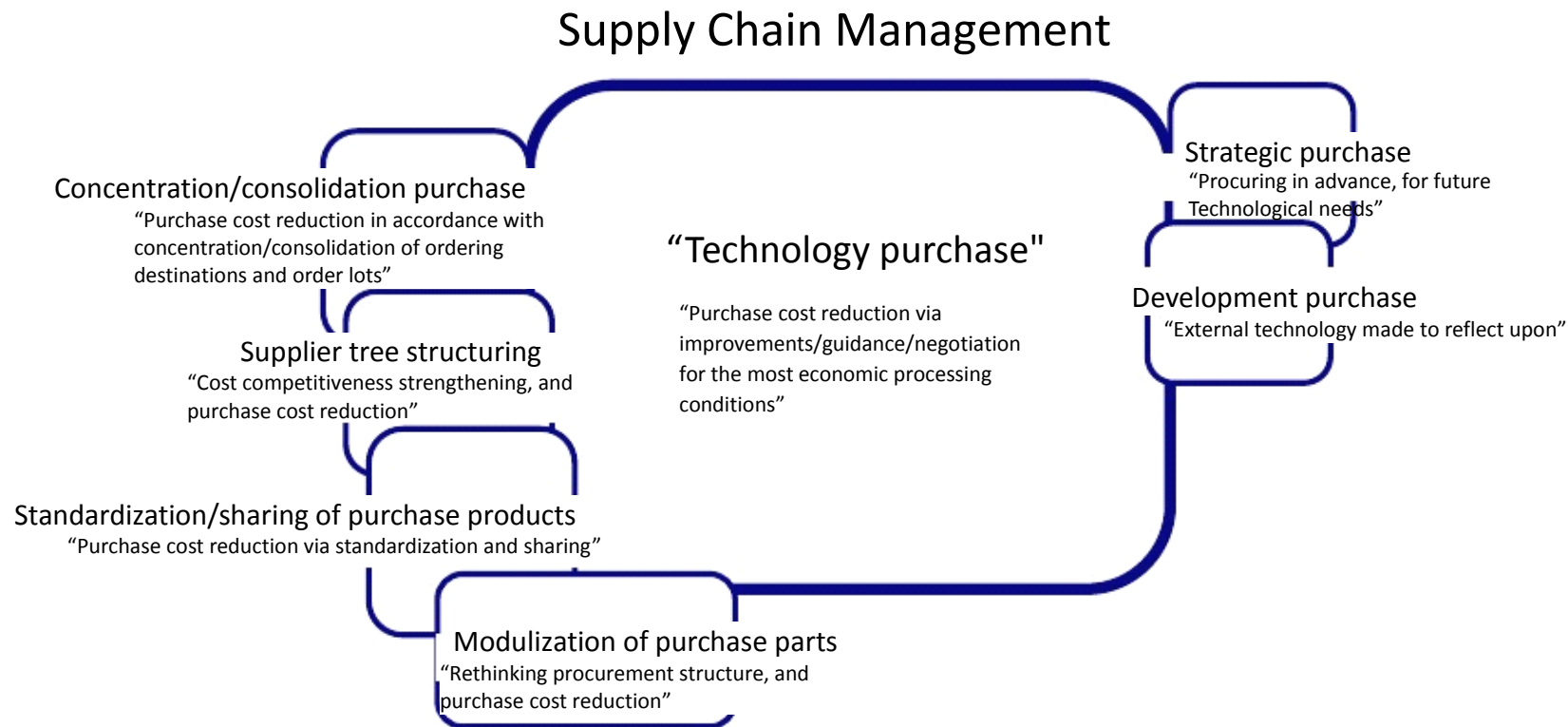


☆ CA is the auxiliary product number code for the management accounting system.

8. Technology purchases for the purpose of global strategy (Example)

The conventional cost table is fundamentally a “statistical value estimated from costs”, and the “cost calculated from ideal equipment processing conditions” is a different “value”. As such, in the production environment – where quality and cost is required – high cost products are created because “the required cost for the process does not meet the blueprint quality”, “the basis of the cost is ambiguous and cannot be agreed to”, “we cannot agree with providing the technology to an outsourcer”, etc. For the purchasing sector, which procures between 60 to 80 percent of product cost, and “strong technology guidance and negotiation power in accordance with technology purchases” is “the most operational problem in terms of conducting global strategy”.

(Example : Ordering overall diagram for approximately 280 companies, 60~80% involved purchases at high costs.)

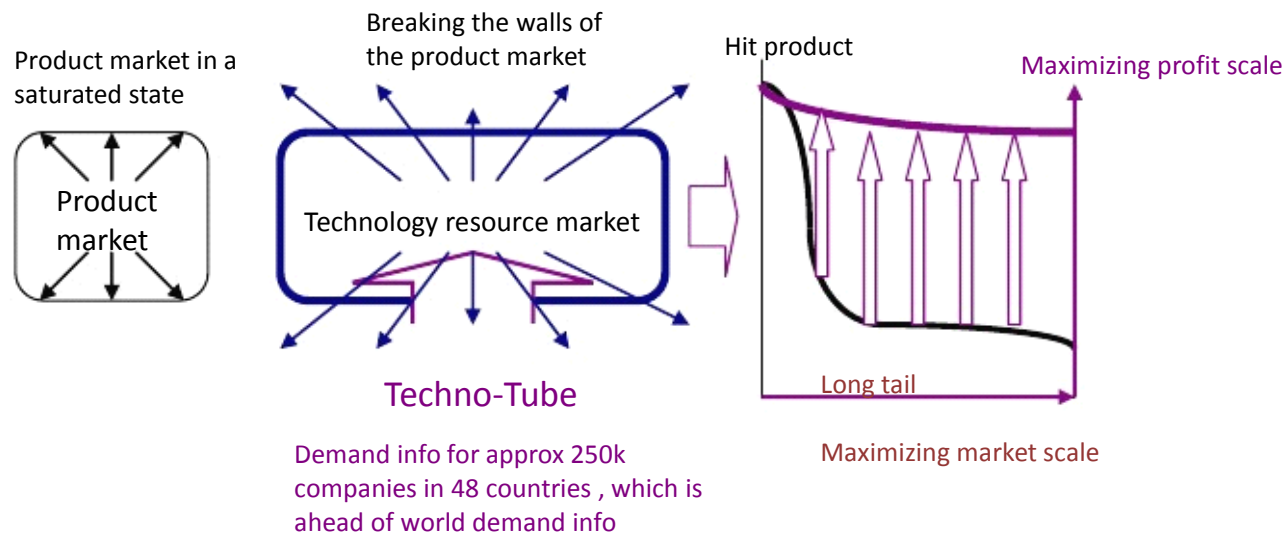


9. Maximizing corporate value ! (Example)

In research development, manufacturing and marketing from the perspective of the existing “product market”, as many businesses worldwide are involved in the same initiatives, the priority is not building up, but rather being involved in destructive cost competition which can shorten product lifespans, and while handling model changes in a durable fashion and meeting high-functionality requirements, competitive opportunities on the world market are missed, and business power is exhausted. In comparison, the “dormant technology and buried technology” which natural accumulates over the years as “inconsequential technology” is not displayed on financial statements or charts of accounts, so their value is not recognized by companies.

That sort of “dormant technology and buried technology” that is not evaluated or recognized involves “demand that already exists in the world”, and “being able to meet new demand”.

The “technology website Techno-Tube”, which connects purchase manager markets for approximately 250k companies, 51 purchase groups and 48 countries, actualizes new customers, new markets, new products, new technology and new enterprise creation’s “market scale and profit scale maximization”.



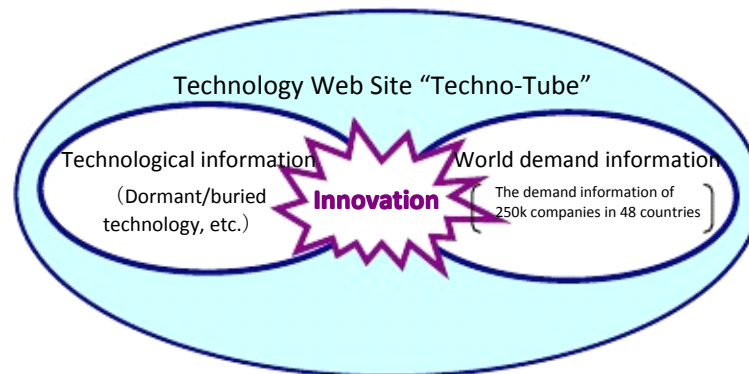
1 O. Innovation Ecosystem !

For both products and technology, the way they end up is not decided by not performance, but rather the way it will be used. Even if the values differ, the lifestyles differ, the culture differs, the climate differs or the sense of colour, feel or taste differs, there will be hit products which will match those various differences.

Furthermore, even if the type of industry is different (such as agriculture, forestries, fisheries, medicine, food products, industrial, mining, services, etc.), hit products will arise appropriately.

Even from a combination of these, it can be said that “hit products have no limits”. Accordingly, the world is prudently creating hit products even in “technology which are one or two steps behind”. (Techno-Tube examples)

Being ahead of global demand !



Regards

2012/5/17

Alta Management, K.K
CEO: Hirokatsu Hibino

"Management Accounting" Conclusion

1. "Management accounting is an enterprise profit structure" for "financial accounting".
2. Management accounting is "a business revolution towards high profitability, which provides corporate governance throughout a company, in terms of target costing profitability improvements".
3. Management accounting is a "management decision-making support system, with the objective of handling business activities as they occur", for "financial accounting for external reports/presentations", with the objective of forming a period-by-period comparison.
4. Management accounting is an enterprise strategy system, for "ensuring in-the-red visibility", "simplifying organizations and business", and "improving managerial speed", via "technology and cost information centralization".
5. In the context of management accounting, technology purchases actualize "supply chain management that is strong from the perspective of technological guidance and technological negotiation", for the purposes of global strategy.
6. The CA code of management accounting comprehensively involves "cost reduction from a wide-ranging viewpoint", which could not have been obtained via methods and techniques for improvement.
7. Use of Techno-Tube in management accounting leads to strong global strategies, via "being ahead of global demands information".
8. Management accounting involves "value-added-ness of dormant/buried technologies" and "organization/product/enterprise reforms towards high quality", which does not appear in financial statements or charts of accounts.

Regards