

가  
**Responsible Care<sup>®</sup>**

3

2005. 10. 21.

# CONTENTS

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1.

가

2.

**Responsible Care<sup>®</sup>**

# 1-1. 가 (1)

## ***Sustainable Development***

**“Development that meets the needs of the present without compromising the ability future generations to meet their own needs”**

***“Our Common Future (1987)”***

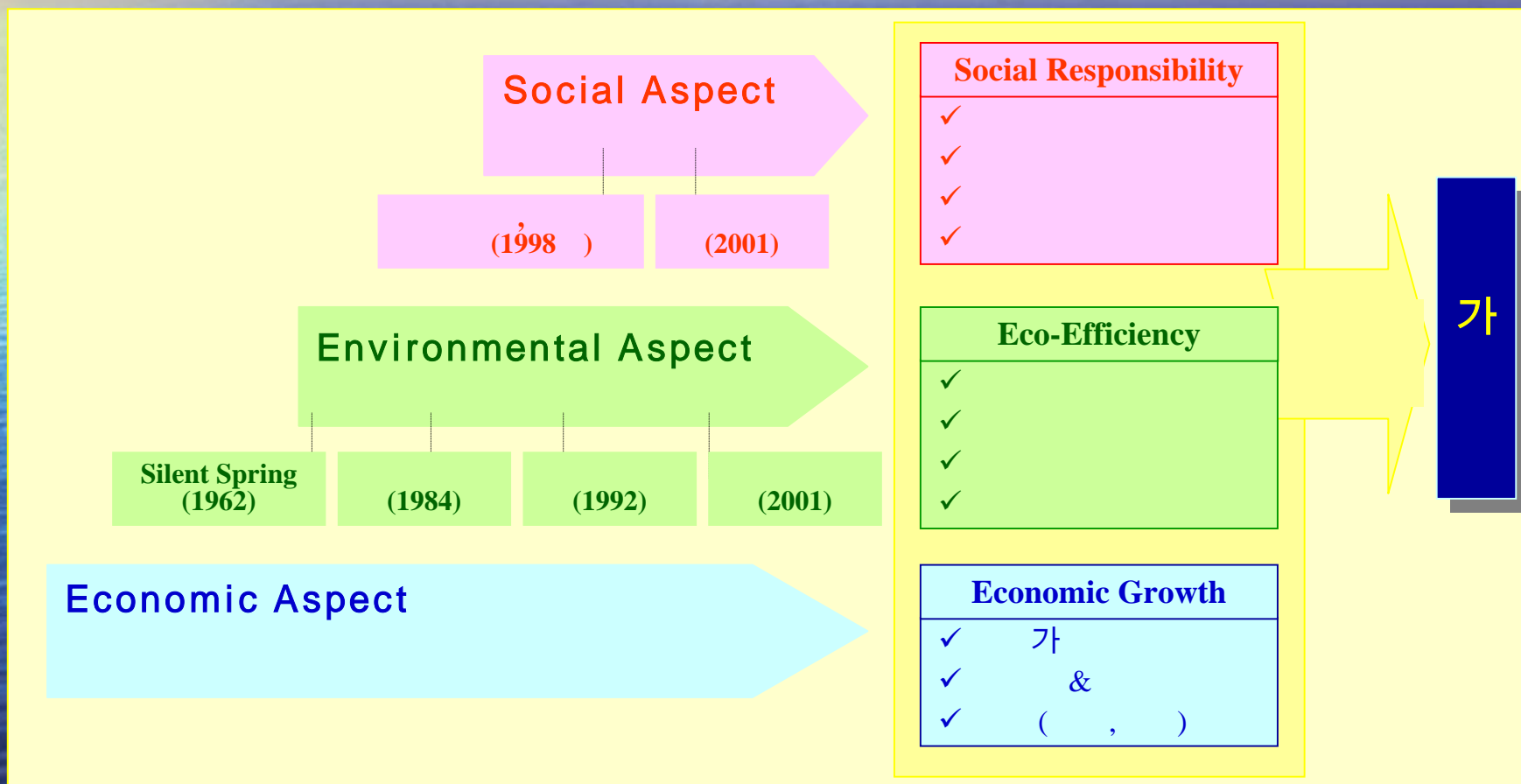
## ***Sustainable Development Milestones***

- ❖ 1987 (WCED)
  - “Sustainable Development”
- ❖ 1992 UN (UNCED)
  - Agenda 21,
  - UN 가 (UNCSD)
- ❖ 2002 가 (WSSD)
  -

# 1-1. 가 (2)

## ● WBCSD (World Business Council for Sustainable Development)

Contributing to sustainable development by working to improve quality of life with employees, their families, the local community and stakeholders up and down the supply chain.



# 1-1. 가 (3)

## ❖ 가

- DJSI (美)

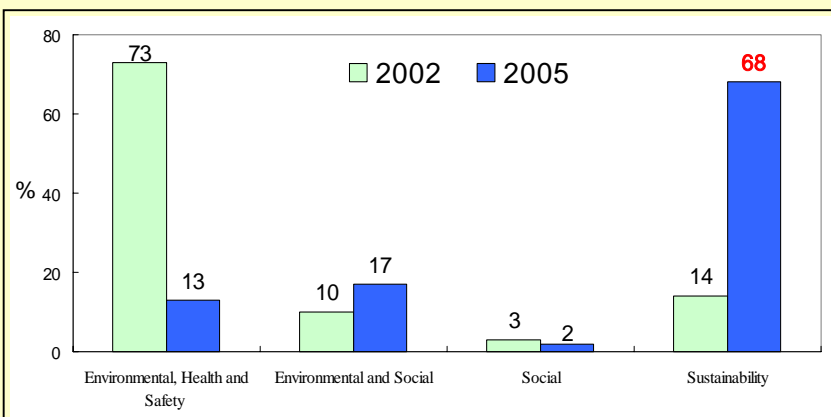
'00 9 14 52

- Innovest 社 (美)

50 , 2,000  
가 가

## ❖ 가

- < 誌 > 250 68%



[ ] KPMG International survey of Corporate Responsibility Reporting 2005 (2005. 6)

## ❖

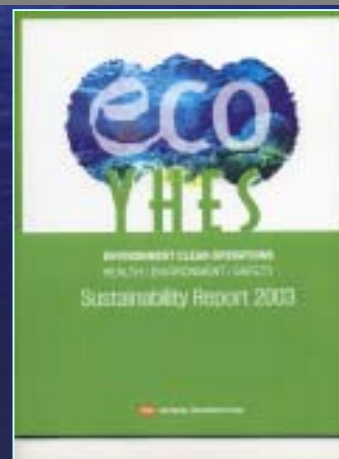
- 가 가 ('00. 9)  
- 가 ('02. 3)

## ❖ 가

- “ECO ”  
- “ 가 (SMI)”

## ❖

- 가  
- “Responsible Care ”



<

가

>

# 1-1. 가 (4) 가 가

## 환경연합, 지속가능경영지수 기업순위 발표

[연합뉴스 2005-07-15 19:02]

국내 30대 주요기업의 지속가능경영지수(SMI) 현황

순위	기업명	기업문화의 지속가능성		사회적 지속가능성			환경적 지속가능성		경제적 지속가능성			총합	등급 (SMI)
		인권	정보	인권	노동	소비자	환경	에너지	재무	시장	혁신		
1	엘지필립스 LCD	7.0	4.4	6.5	6.5	6.5	5.5	5.7	7.0	7.0	6.6	62.7	B0
3	한화석유화학	7.0	5.5	6.5	6.5	6.5	6.4	7.2	4.0	6.0	6.8	62.4	B0
4	삼성SDI	7.3	6.8	5.0	5.0	6.5	6.6	6.8	6.0	6.0	5.9	61.9	B0
5	포스코 (POSCO)	5.8	5.7	6.5	5.5	6.5	3.6	5.1	7.0	7.5	8.2	61.4	B0
6	유한킴벌리	6.8	4.6	6.5	6.5	5.5	7.2	6.8	5.0	5.5	6.4	60.8	B0
7	삼성전자	7.3	5.1	5.5	5.0	5.5	7.6	7.8	4.5	5.0	7.2	60.5	B0
8	현대오일뱅크 (구:현대정유)	5.8	4.8	6.5	6.5	6.0	6.4	7.4	7.0	5.0	4.9	60.3	B0
9	LG전자	7.3	4.6	6.5	6.0	5.5	6.1	6.5	5.0	6.5	5.0	59.0	B-
10	현대자동차	7.5	6.4	5.5	5.5	5.5	5.6	7.9	5.0	4.5	5.2	58.6	B-
11	삼성전기	7.0	4.5	6.0	5.5	6.5	5.6	7.0	5.0	7.5	3.6	58.2	B-
12	대한항공	5.5	5.4	6.5	6.5	6.0	6.1	8.2	3.0	5.5	4.7	57.4	B-
13	하이닉스반도체	6.5	4.1	6.5	6.0	6.5	4.6	5.1	6.5	6.5	5.0	57.3	B-
14	아시아나항공	7.0	5.0	6.0	6.0	6.0	6.5	6.6	5.0	4.5	4.7	57.3	B-
15	삼성교닝	7.0	3.2	6.0	5.5	6.5	5.6	5.1	6.5	5.5	5.3	56.2	B-
16	기아자동차	5.5	6.1	5.0	6.0	5.0	6.4	6.6	5.0	5.5	4.9	56.0	B-
17	SK텔레콤	5.0	3.5	6.5	6.5	6.0	4.0	4.0	6.0	7.0	7.4	55.9	B-
18	SK	4.5	5.4	6.5	6.5	6.0	7.6	5.6	3.5	4.5	5.5	55.6	B-
19	인스틸 (구:인천제철)	6.0	2.5	6.5	5.5	6.5	4.0	4.0	7.0	7.0	6.6	55.6	B-
20	농부계강	6.0	3.5	6.5	6.5	6.5	4.0	4.0	6.5	6.0	5.4	54.9	C+

가  
(SMI : Sustainable Management Index)

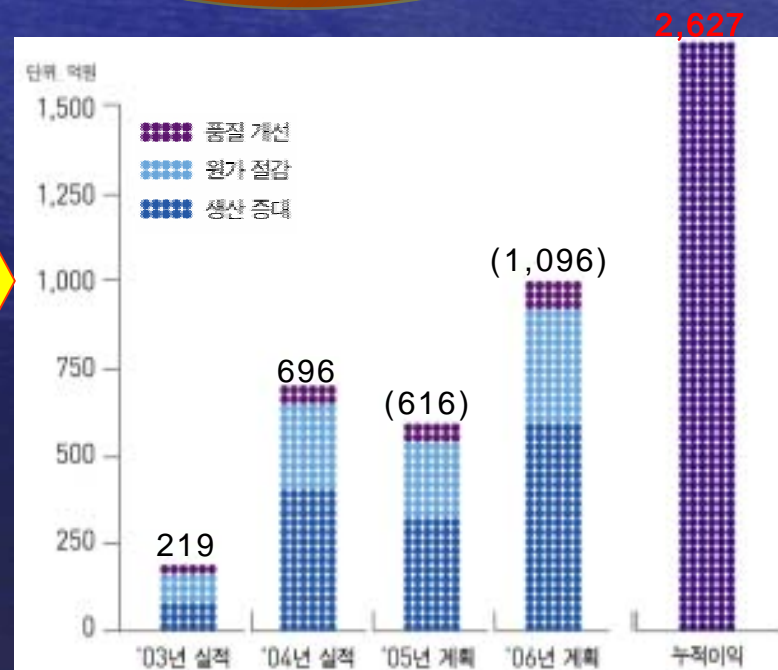
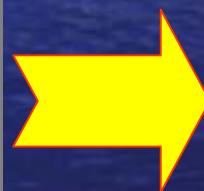
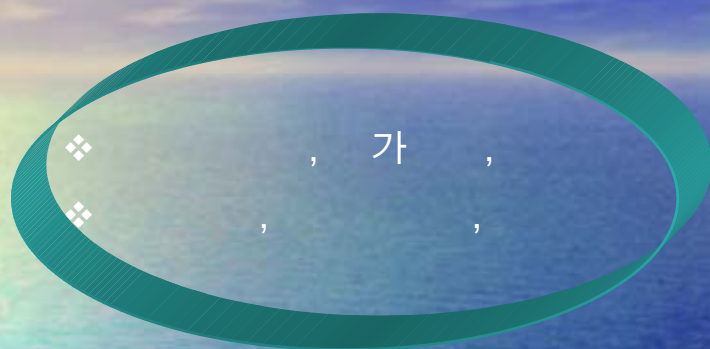
❖ : 32  
 ❖ 가  
 가 , 가 ,  
 가 , 가  
 4 10 가 (27 )  
 가

1-2.

가

(1)

- ACE [Absolute Competitive Edge]



1-2.

가

(2)

(CP ; Cleaner Production)

❖

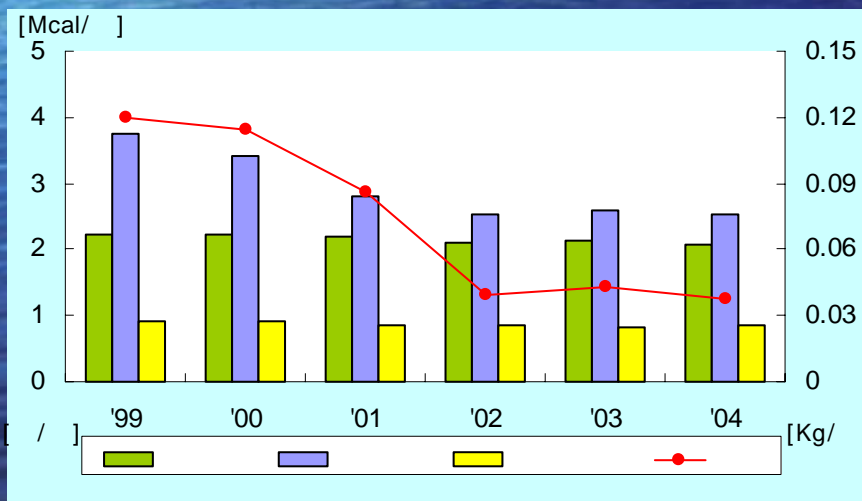
❖ (EOP)

( '01 ~ '04 )

❖ : 52

❖ : 21

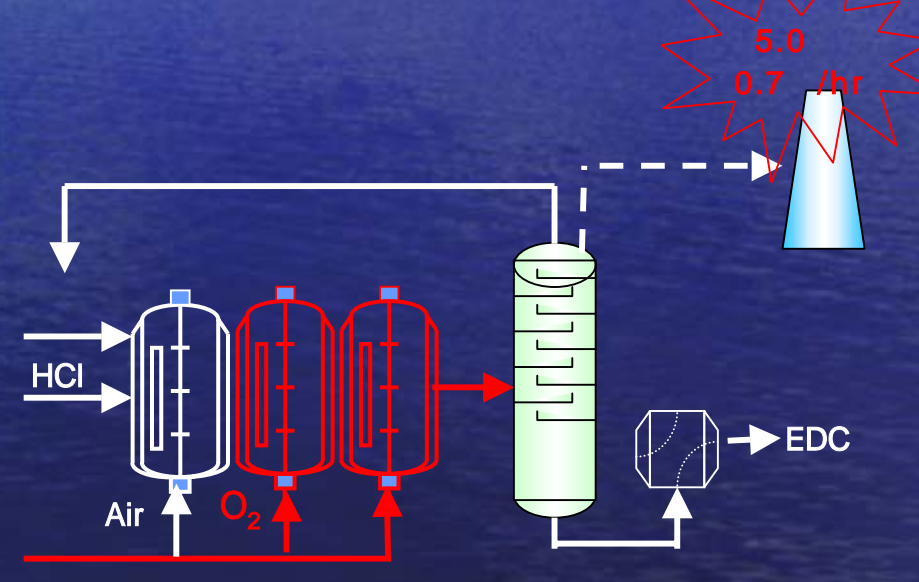
❖ : 67



OXY

EDC Air , 2 가 (VCM )

CO<sub>2</sub>



가	: 4.3 /hr (CO <sub>2</sub> , )
EDC	: 2,800 / (14 / )
	: 990 / (4 / )



1-2.

가

(3)

(SAVE)

❖ 1999

(日, JEMCO) & Consulting

❖ ('99 ~ )

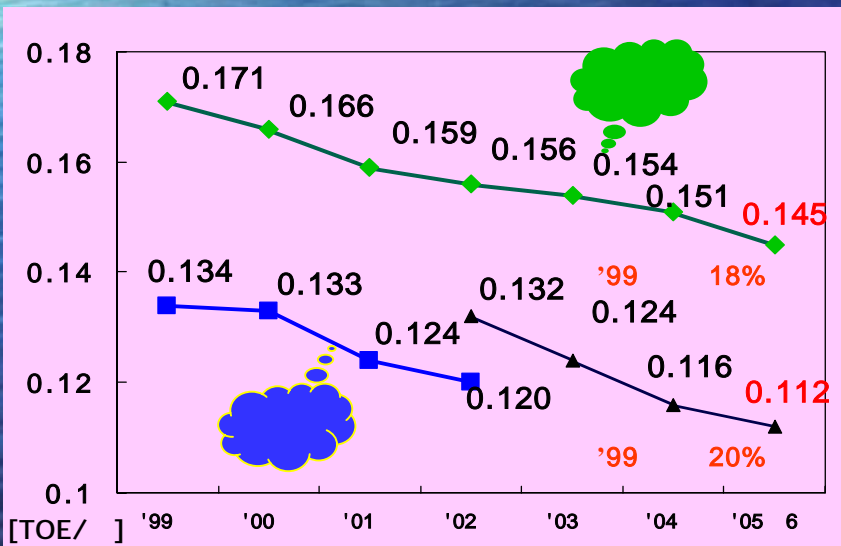
❖ ['00~'05] : 244

❖

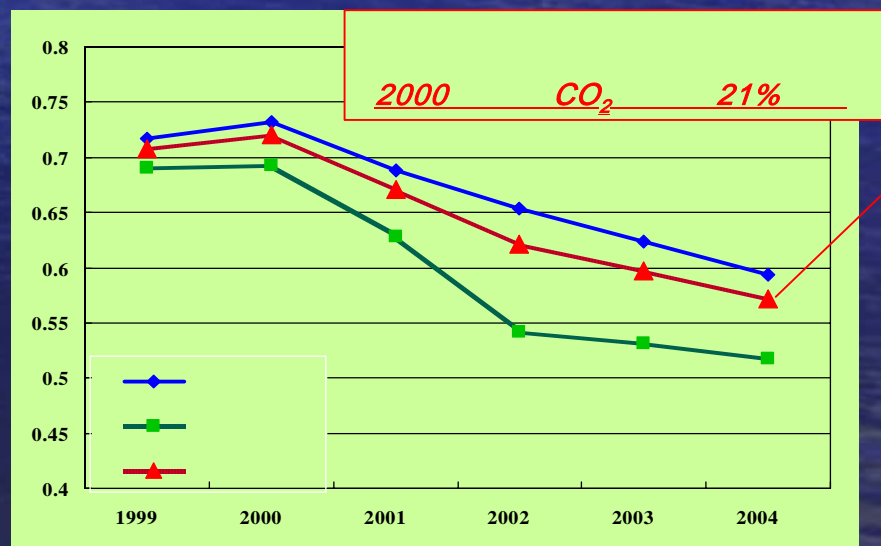
❖ Inventory

❖ 79,684 Ton-CO<sub>2</sub> ('00 5%)

(SAVE)



가



# 1-2.

# 가

(4)

- ❖ - 536 / 3,879 (2004 )
- , ,
- “ ”
- 2003 & 2004

2003	1,700	190	52,348	163,425,998
2004	3,879	536	63,859	271,077,748

- ❖ - 64 / 1,372 가 (2004 )
- , 1 1

- ❖ - ,
- “ ! ”

/

(2003. 4)

Cyber

PL

- ,

- 가

PL (1 / )

가 (2003 & 2005)

# 2-1. Responsible Care<sup>®</sup> (1)



# 2-1. Responsible Care<sup>®</sup> (2)

(1984 ) (CCPA)  
“ = & ”

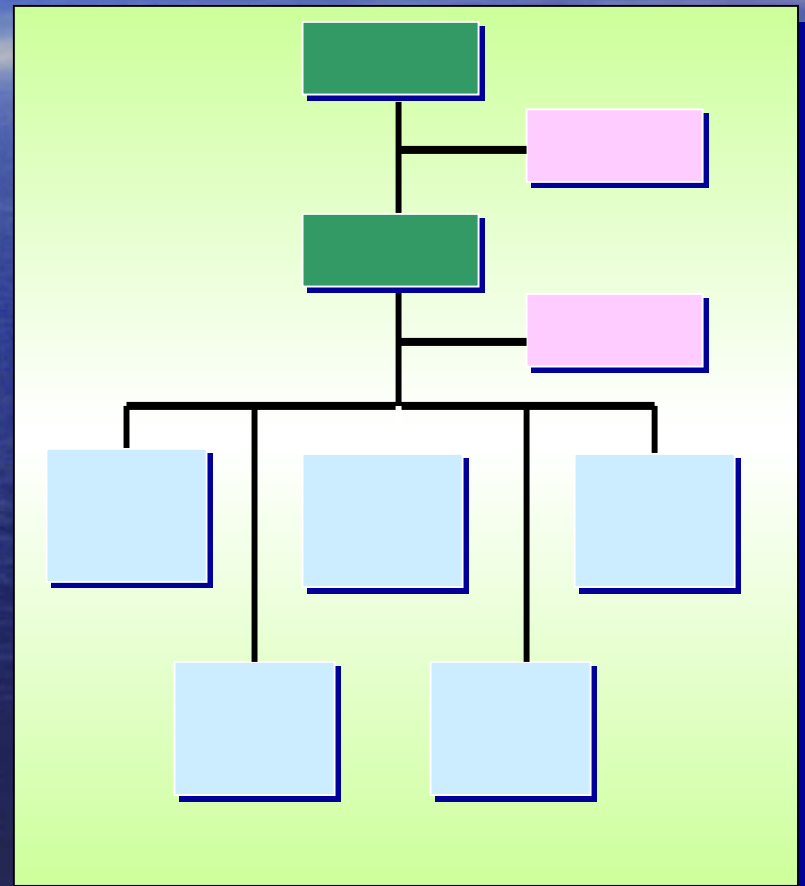
1985 RC ( , CCPA)  
1988 RC ( , ACC)  
1990 (ICCA), RC Leadership Group(RCLG) → RC  
1991 RC Fundamental Features  
1999 RC Peer Review  
2002 The Third-party Audit  
2005 52 ICCA/RCLG 가 ( 85%)

(Rio ) Agenda 21 Action plan  
UNEP 가  
/

## 2-2. Responsible Care<sup>®</sup> (1)

### KRCC

- 1998.12 RC &  
Working Group
- 1999.12 RC (KRCC)
- 2000.09 ICCA/RCLG 가 (46 )
- 2001.08 Four Codes of Management  
Practices
2003. 11 8 APRCC
- 2004.02 The 1<sup>st</sup> Self-assessment
- 2004.11



## 2-2. Responsible Care<sup>®</sup> (2)

- , , , 70

- (8 )

LG

- (15 )

가

# 2-3. Responsible Care<sup>®</sup> (1)

## RC Codes

**Community Awareness** and Emergency Response

Process Safety

Employee Health & Safety

Pollution Prevention

**Distribution**

**Product Stewardship**

Management Practices & 가

RC (2002)

The 1<sup>st</sup> self-assessment (2004)

The 2<sup>nd</sup> self-assessment (2005)

· / ,

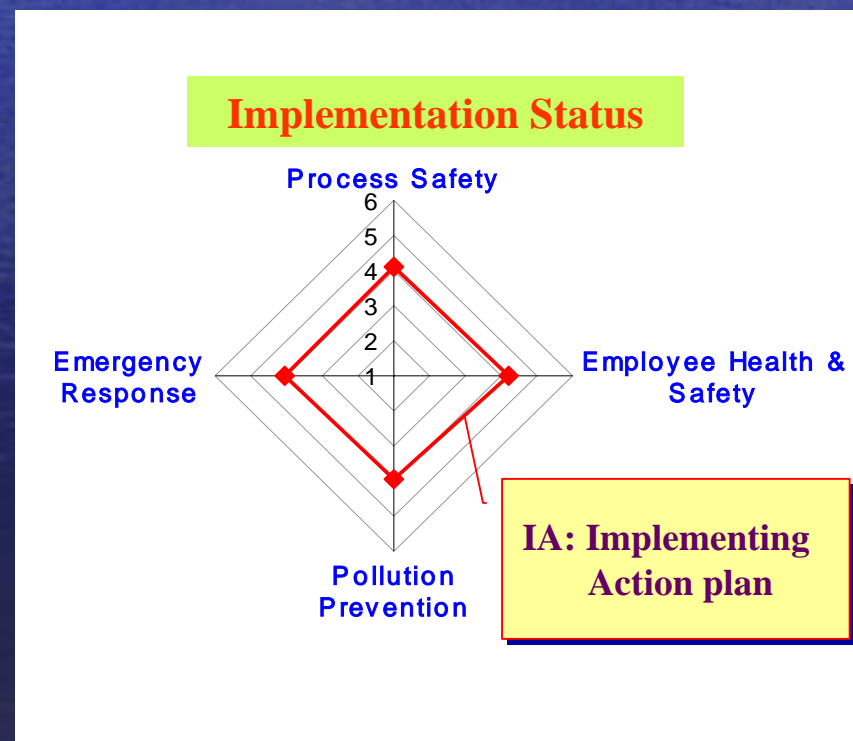
· Self-assessment

**Management Practices**

**Responsible Care codes** · (2005 )

**The Third-party Audit** /

· 2006 /



# 2-3. Responsible Care<sup>®</sup> (2)

“ 2005”  
 (2005. 7)  
 (2005.9)  
 . RC 가 (2005.11)  
 KRCC (2 / )  
 (2005. 6)  
 (2004. 11, )



<KRCC >

## 8 Responsible Care (APRCC , 2003. 11. 4 ~ 7.)

: Responsible Care ;  
 20 , 130 , 536 가  
 Responsible Care (APRO)

. APRCC  
 APRO , /



<APRCC>



# 2-3. Responsible Care<sup>®</sup> (3)

## Educational Outreach

: “ ! ”

- 
- 
- 

- 250 가 (2003. 7. 14.)
- 10 600 가 (2004. 10. 16.)
- 2005 Outreach
- (2005. 9. 24, )
- (2005. 10. 15, )
- (2005. 10. 22, )

(2001 ~ )

- RC Weekly
- EU REACH
- RC 가

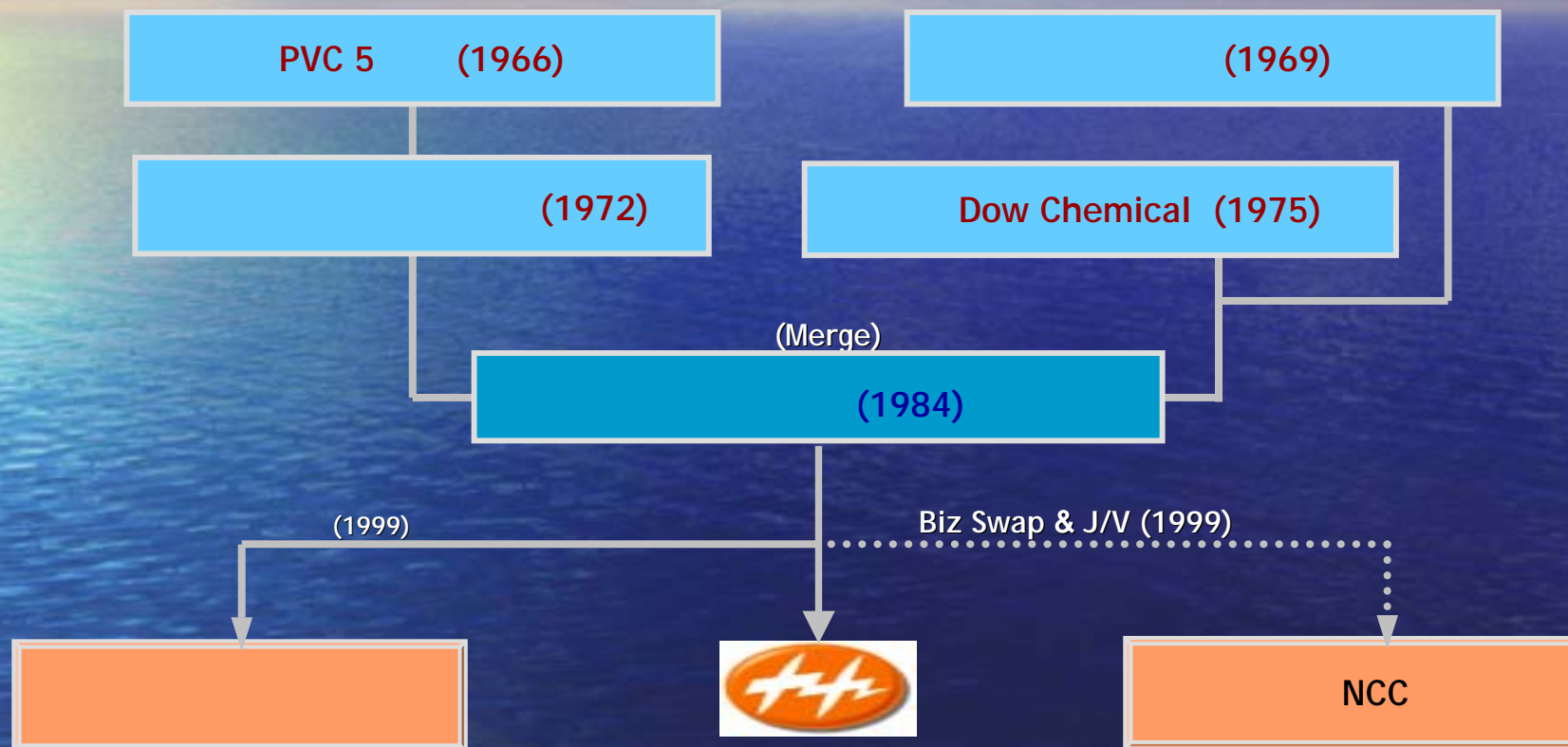
RC Award (2006)



< ! >



<Web page: www.krcc.or.kr>



(Kilo ton/year)

Naphtha Cracker	
Ethylene	1,400
Propylene	705
BTX	550
SM	140

Polyethylene	
LDPE	370
(including EVA)	60
LLDPE	350
Wire & Cable	52

PVC	
EDC(DC)	590
VCM	600
PVC/ PSR	550
PLZ	80
2-EH	100

Chlor-Alkali	
Chlorine	645
NaOH	690
HCL	40
ECH	23

가
PVC

NCC

