

NEC's green purchasing/procurement program and expectations to the Asia-Pacific Region

November, 2006 Tsuyoshi Horinouchi CSR Promotion Unit NEC Corporation

Today's Agenda

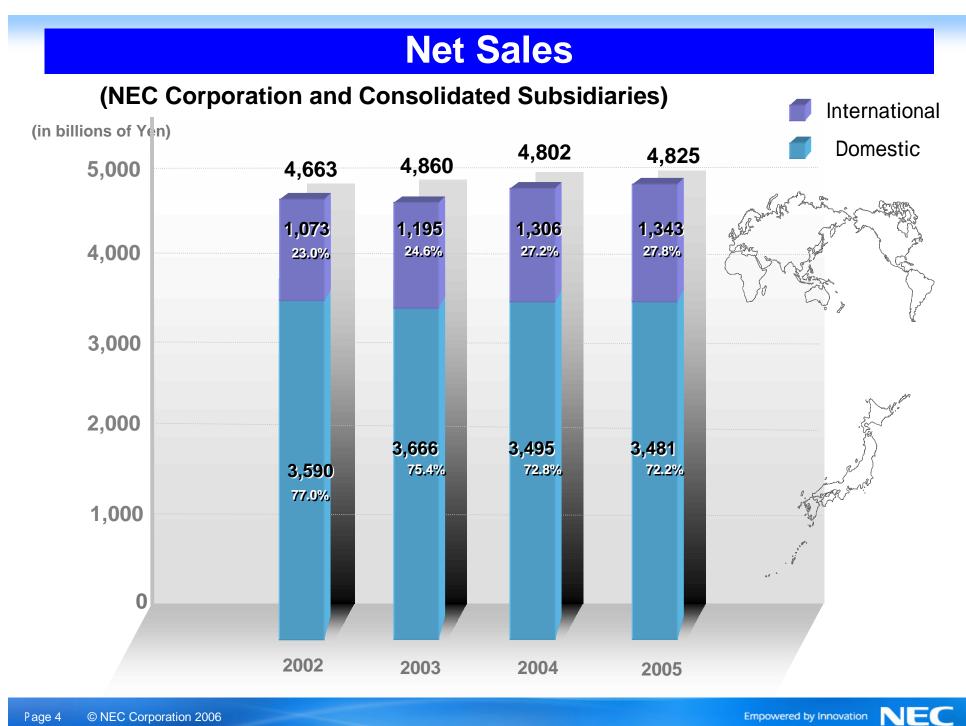
1. Company Profile

- 2. NEC's Environment Policy
- 3. Green Products
- 4. Green Purchasing and Green Procurement
- 5. Expectations to the Asia-Pacific Region

Company Profile

Company Name:	NEC Corporation	
Address:	7-1, Shiba 5-chome, Minato-ku, Tokyo, Japan	
Established:	July 17, 1899	
Chairman of the Board:	Hajime Sasaki	
President:	Kaoru Yano	
Capital:	¥ 337.8 billion - As of Mar. 31, 2006 -	Hajime Sasaki
Consolidated Net Sales:	¥4,824.9 billion - Fiscal year ended Mar. 31, 2006 -	
Operations of NEC Group:	IT Solutions Business Network Solutions Business Electron Devices Business	
Employees:	NEC Corporation 23,528 - As of Mar. 31, 2006 - NEC Corporation and Consolidated Subsidiari 154,180 - As of Mar. 31, 2006 -	Kaoru Yano es
Consolidated Subsidiaries:	356 (142 Domestic, 214 Overseas) - As of Mar. 31, 2006 -	





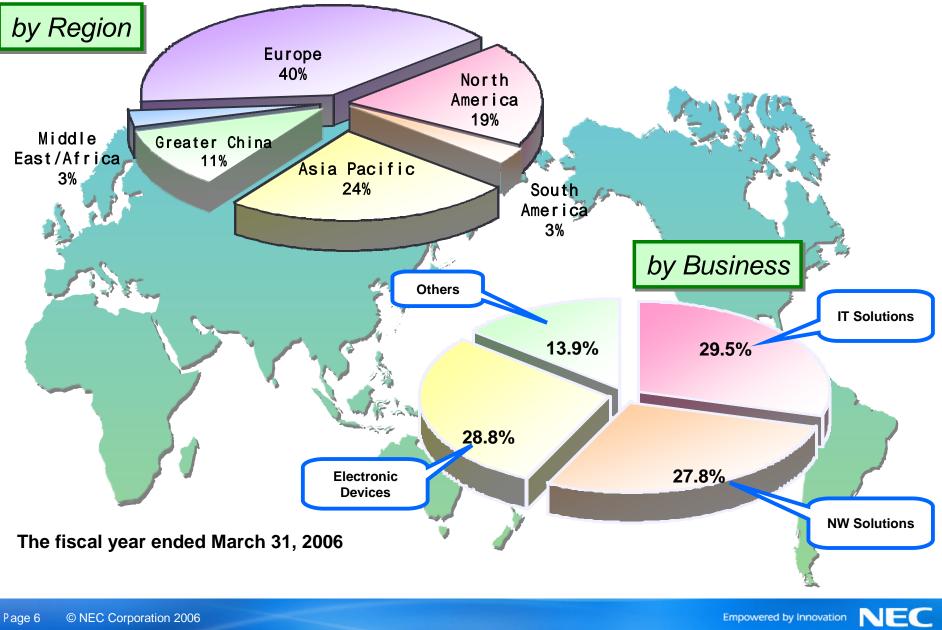
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Business Field and Main Products/Service



NEC

International Sales

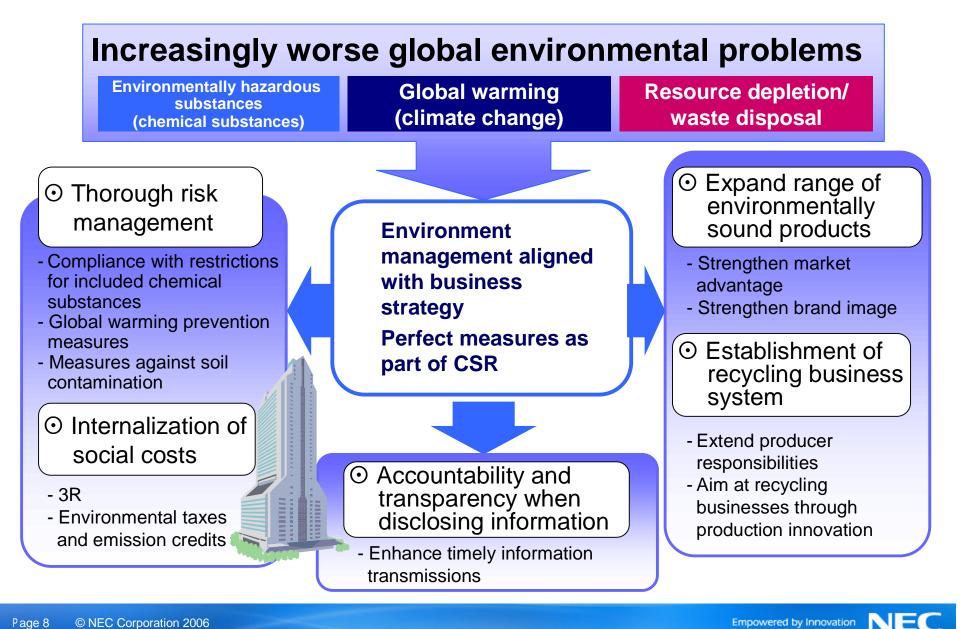


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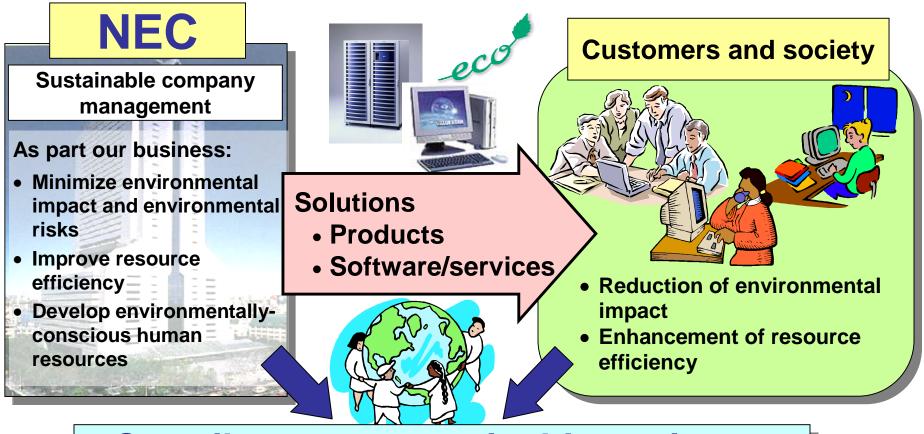
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Business Environmental Movement



Environment Management Envisioned by NEC

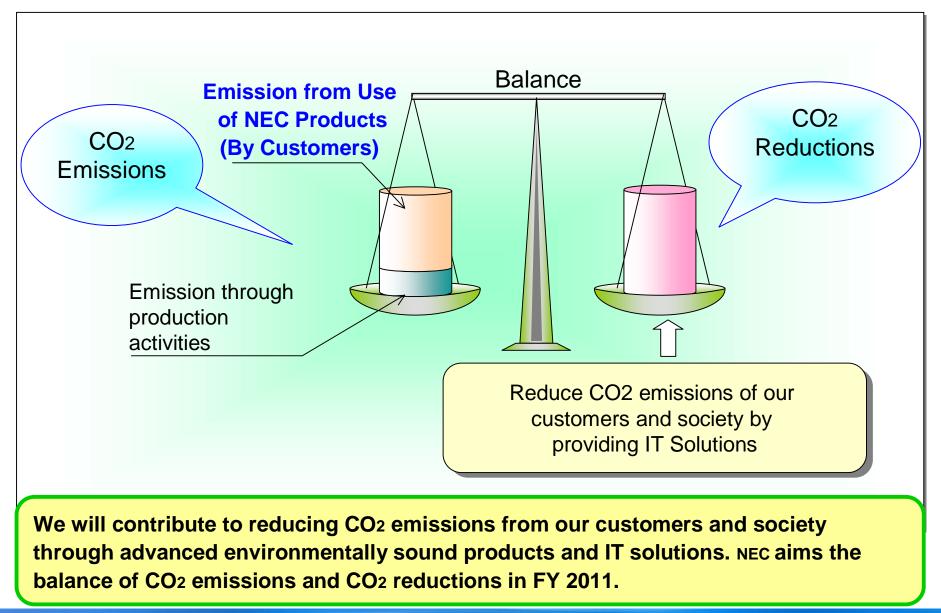
Concept of NEC's Environment Management



Contribute to a sustainable society
Increase of corporate value

NEO

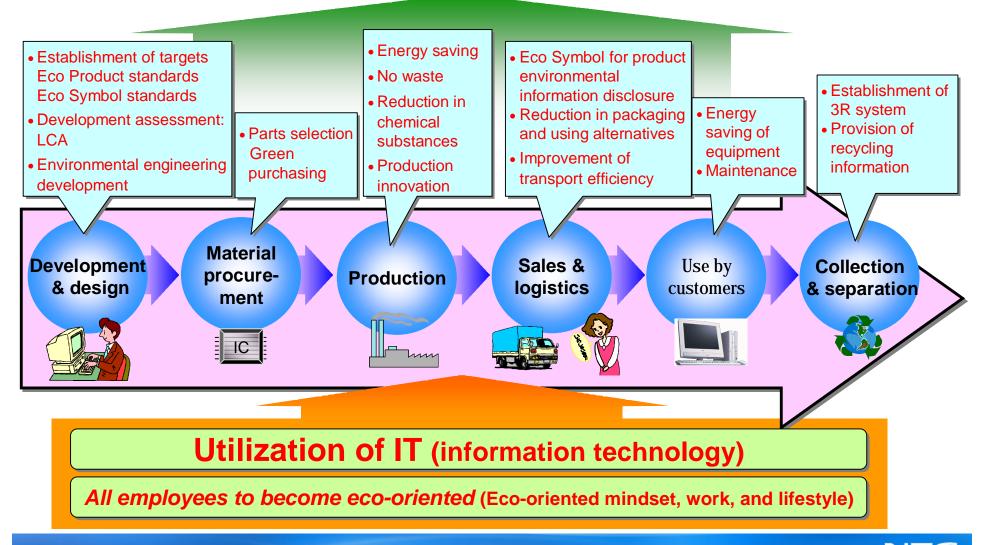
NEC Environmental Management Vision 2010





Environmental Awareness in All Business Processes

Waste reduction (reduction in costs and environmental impact)

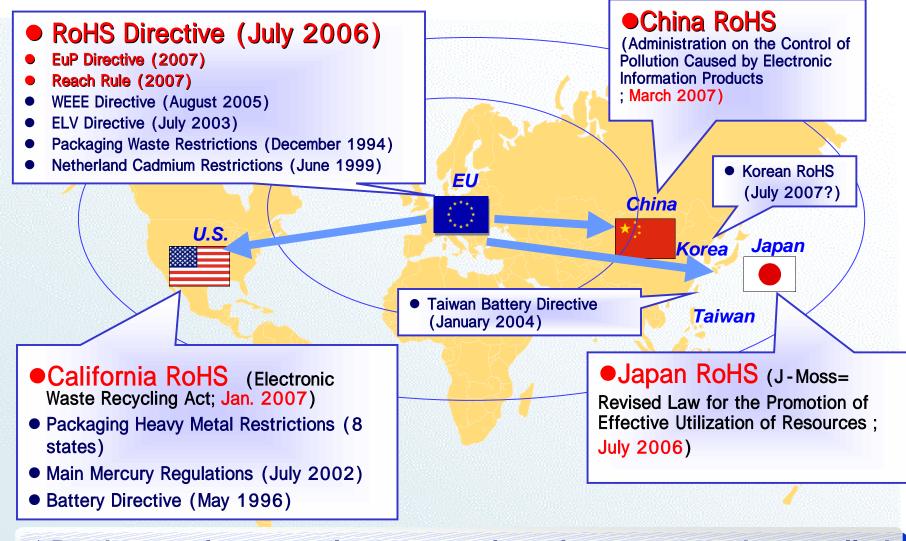


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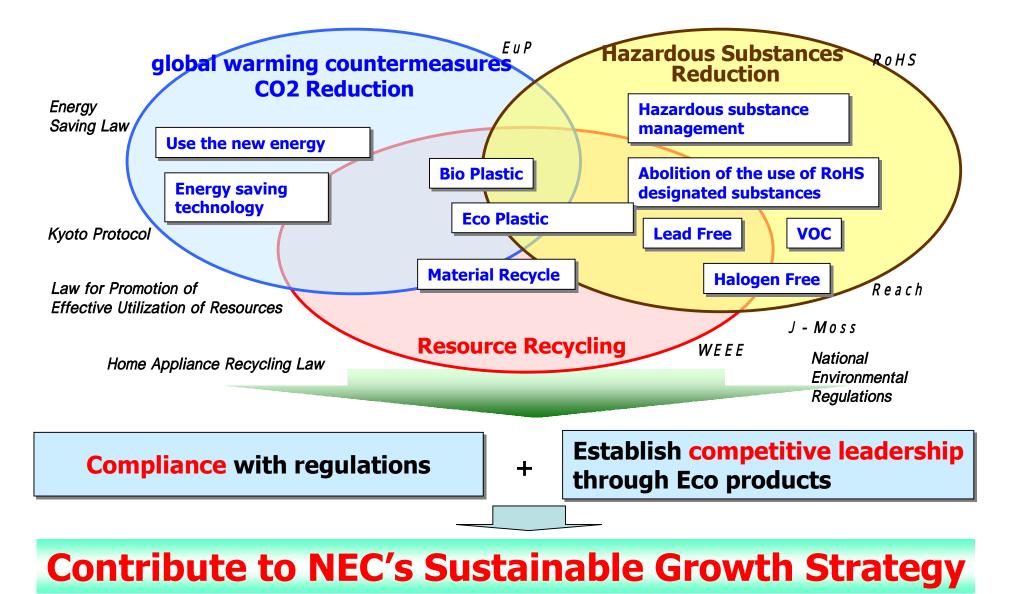
Environmental Restrictions on Products Spreading Globally from Europe

— Tighter regulations on use of chemical substances in particular—



*****Product environmental awareness is an important product quality!

Strategy on Eco Products Development



NEO

Eco Symbol; Self-declared environmental claims

The objectives: • to promote Eco Products development • to disclose the environmental information to the customers

[Basic Conditions for Use of the Eco Symbol]

- <u>Must meet all environmental standards established by NEC</u>
- <u>Must be environmentally superior to conventional or competitors' products</u>
- <u>
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 <u>
 Must assure transparency in product environmental</u>
 <u>
 information</u>
 </u></u>

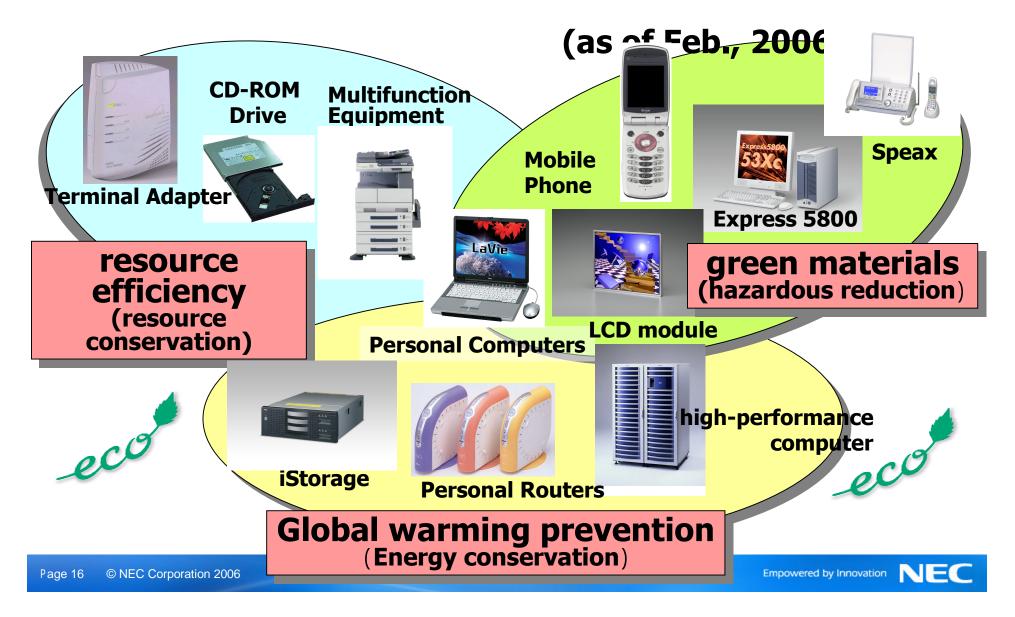


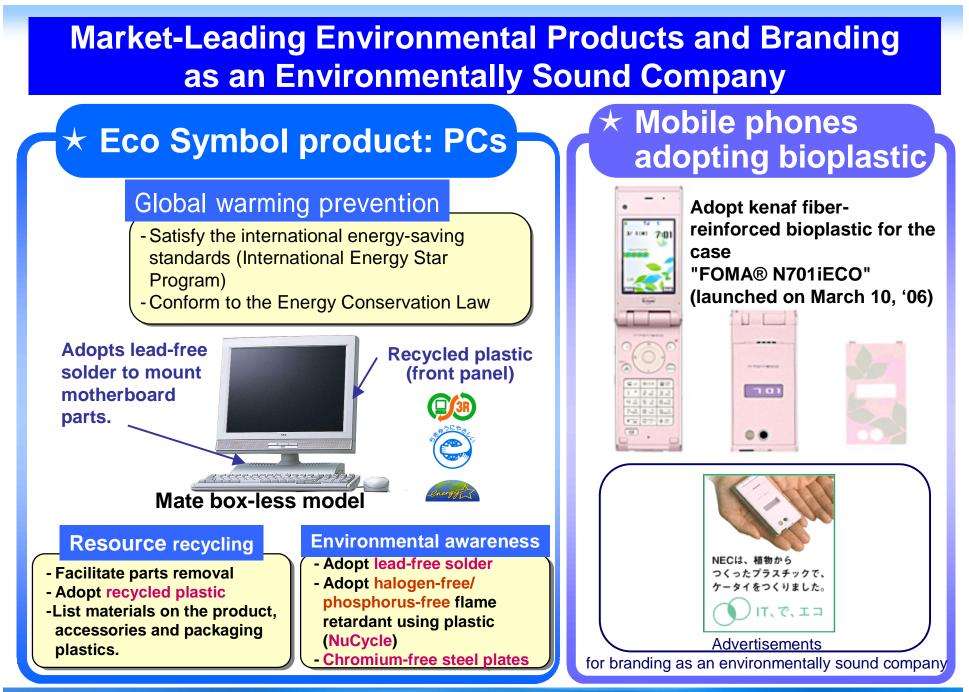
[Standards for Environmentally Sound Products]

Calculate the CO2 emission for all life cycle of the products
Must use a design promoting longer product life (LCA)
Eco Design (consideration of Re-use, Easiness of disassembly, Recycle material usage, etc)
Conduct Green Procurement in selecting the parts
Product development, design and production shall be done at ISO 14001 acquired site or plant.
RoHS compliant

Examples of Eco Symbol Products

3007 products of 55 products categories







Kenaf Fiber-Reinforced Bioplastic for Mobile Phones

FOMA N701iECO

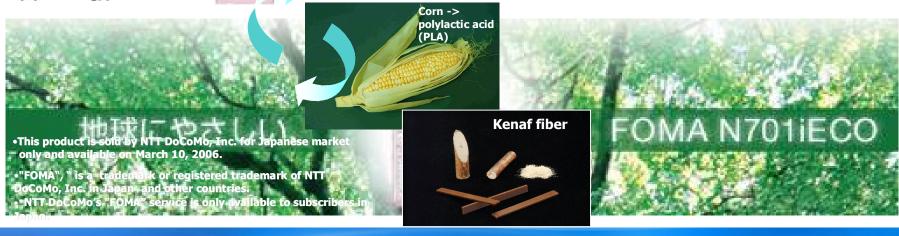
Mar.06 on sale

- The world's first Bioplastic strengthened Kenaf fiber is used
- A part of Earth-Conscious efforts



•High biomass constituent ratio

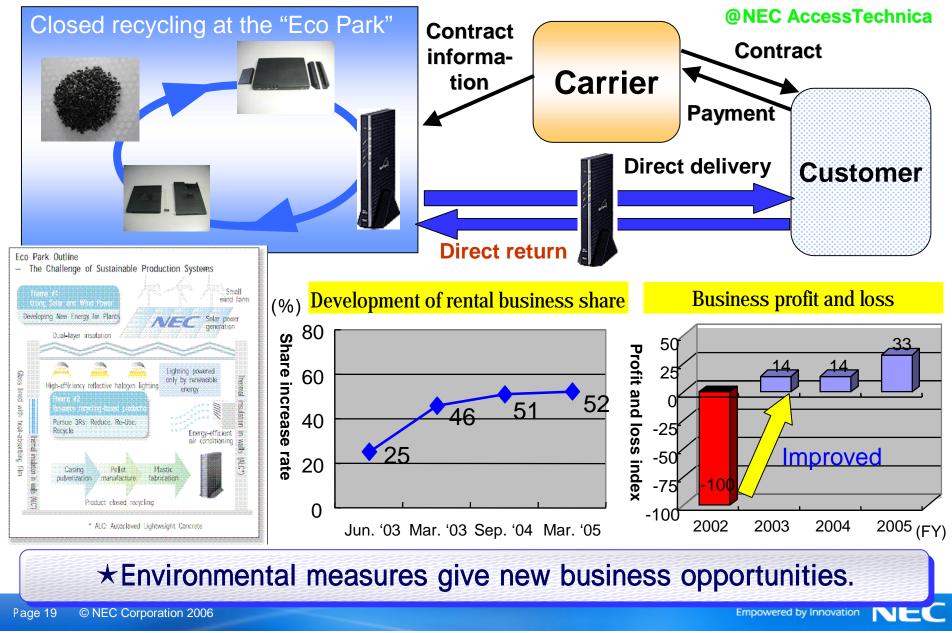
- approximately 90% in Plastics, the highest level in bioplastics used for electronic devices.
- •Plant derived plastic
 - consisting of poly lactic acid (PLA), the fiber of Kenaf and other biomass- based additives
- •Lower use of petroleum and amount of CO2 emissions
- Broken down by microorganisms in the soil
- Mechanical strength improved by adding kenaf fiber



NEO

Rental and Recycling Business Model

— NEC AccessTechnica: "ADSL Modem" Business Model —



Activities for used PC

NEC is promoting the reduce of Environmental Load by the combinations of "Reuse" and "Reduce".



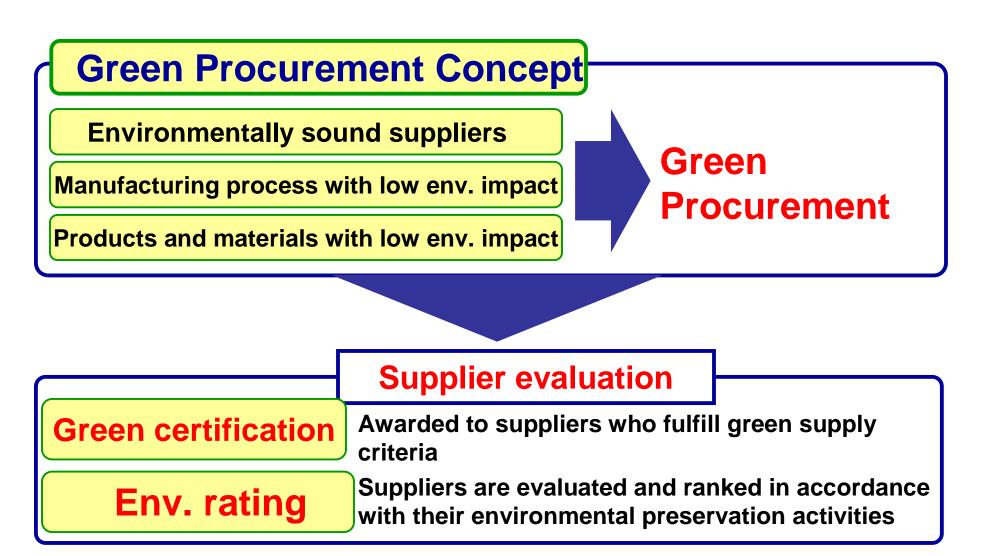


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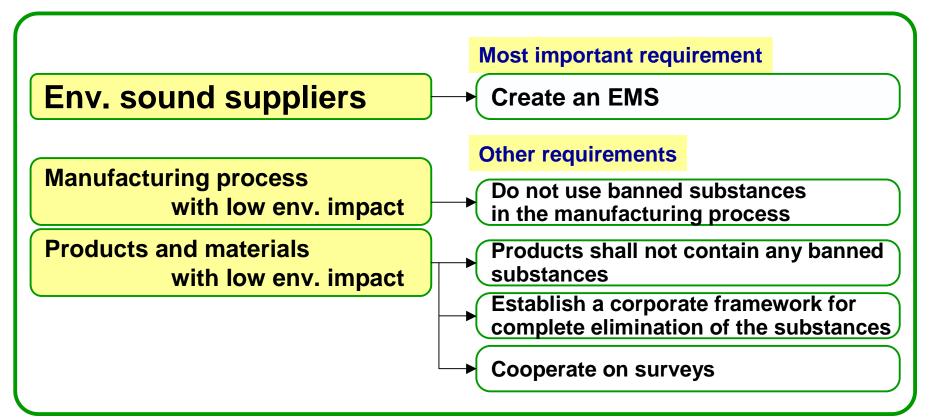


Green Procurement Policy



Identification of Green Suppliers

Identify with suppliers fulfill the requirements for green suppliers



NEC achieved 100% green procurement using green suppliers in the beginning of April 2006



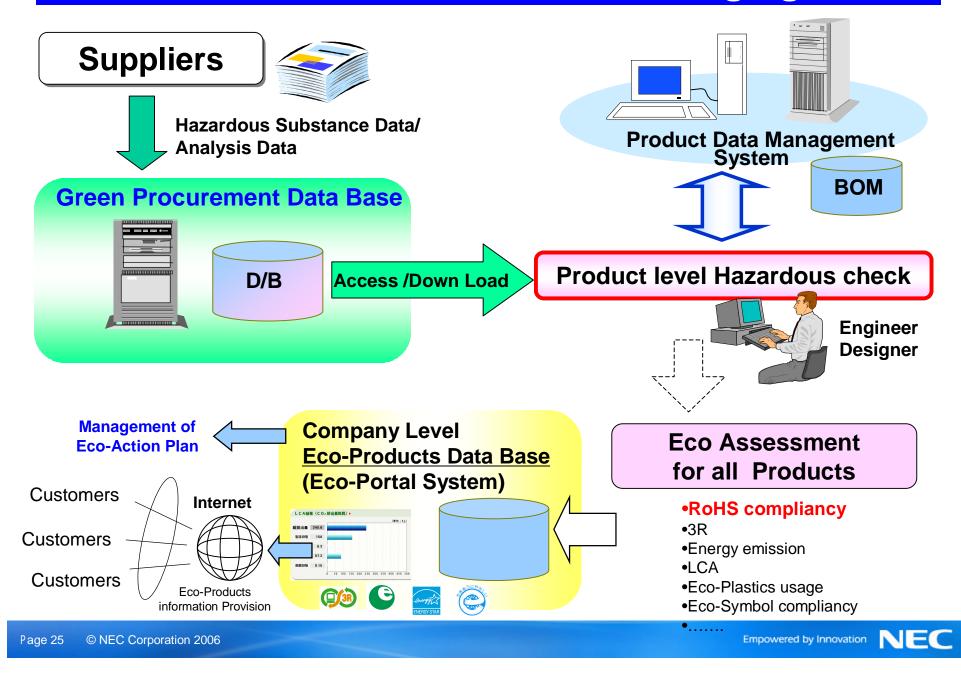


Investigation for Chemical Substances in Products

Classification	No.	Name of substance group	Target date of complete abolition	NEC is adopting the	
Banned substances	1	PCB (Polychlorinated byphenyl)	Immediately	"JGPSSI format" as	
	2	Polychlorinated naphthalenes (with more than 3 chlorine atoms)	Immediately	one of the	
	3	Bis (tributyltin) oxide	Immediately	investigation sheet	
	4	Tributyltin compounds and triphenyltin compounds	Immediately	investigation sheet	
	5	Asbestos	Immediately		
	6	Short-chained chlorinated paraffin (carbon number: 10-13, chlorine content: 50 wt%)	Immediately		
	7	Ozone depleting substances (Montreal Protocol on Substances: Class I)	Immediately	GPSSI	
Substances banned with conditions	8	Cadmium and its compounds	March 2005		
	9	Lead and its compounds	March 2005	Japan Green Procurement Survey Standardization Initiative	
	10	Mercury and its compounds	March 2005		
	11	Chromium VI compounds	March 2005		
	12	PBB (Polybrominated biphenyl)	Immediately		
	13	PBDE (Polybrominated diphenyl ether)	Immediately	KANKANTU 02-014	
	14	Nickel and its compounds (Scope: components that come into contact with human body.)	Immediately		
	15	Azo dye (Scope: components that come into contact with human body.)	Immediately	GREEN PROCUREMENT	
Controlled substances	16	Antimony and its compounds		GUIDELINES	
	17	Arsenic and its compounds			
	18	Beryllium and its compounds Same substances wi	th NEC'	s guide	
	19	Bismuth and its compounds			
	20	Selenium and its compounds			
	21	Bromine flame retardant (Except for PBB and PBDE)			
	22	Phthalate ester			
	23	Ozone depleting substances (Montreal Protocol on Substances: Class II)			
	24	Poly (vinyl chloride)		Ver. 3 December 2004	
	25	Radioactive substances		NEC Corporation	



Green Procurement Data Managing



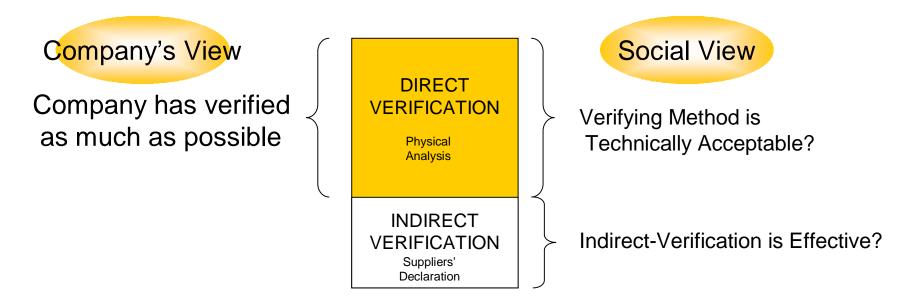
Risk in RoHS Directive

RoHS Directive

The fact that you have contravened the law is sufficient to allow a Court to convict, even you didn't intend to do wrong or unaware of requirements

Rationale by Due Diligence

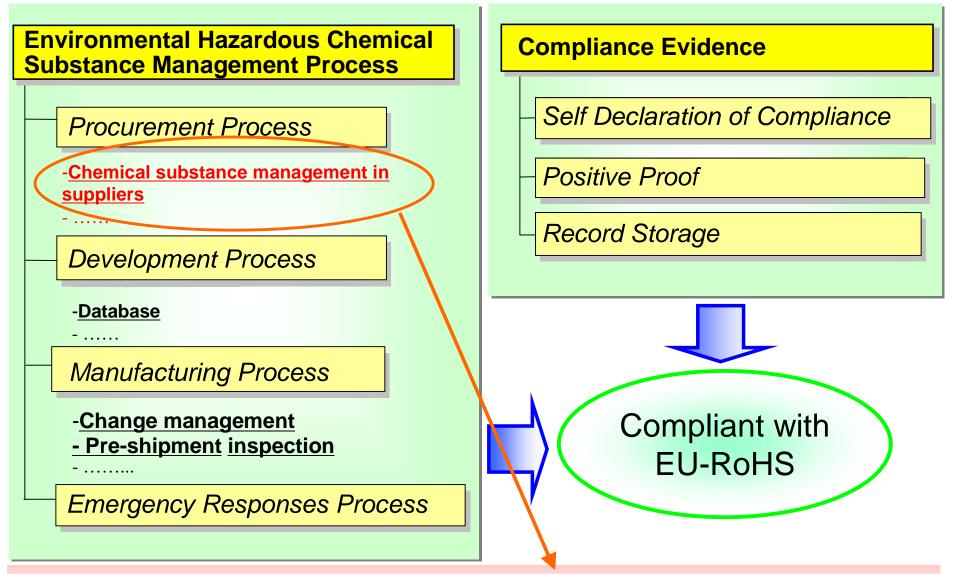
If one can prove that he took <u>all reasonable steps and exercised all due diligence</u> to avoid committing the offence, he might be entitled to be acquitted.



- We must show the rationale of direct-verification methods.
- We must show the rationale of indirect-verification procedure.



RoHS compliant procedure

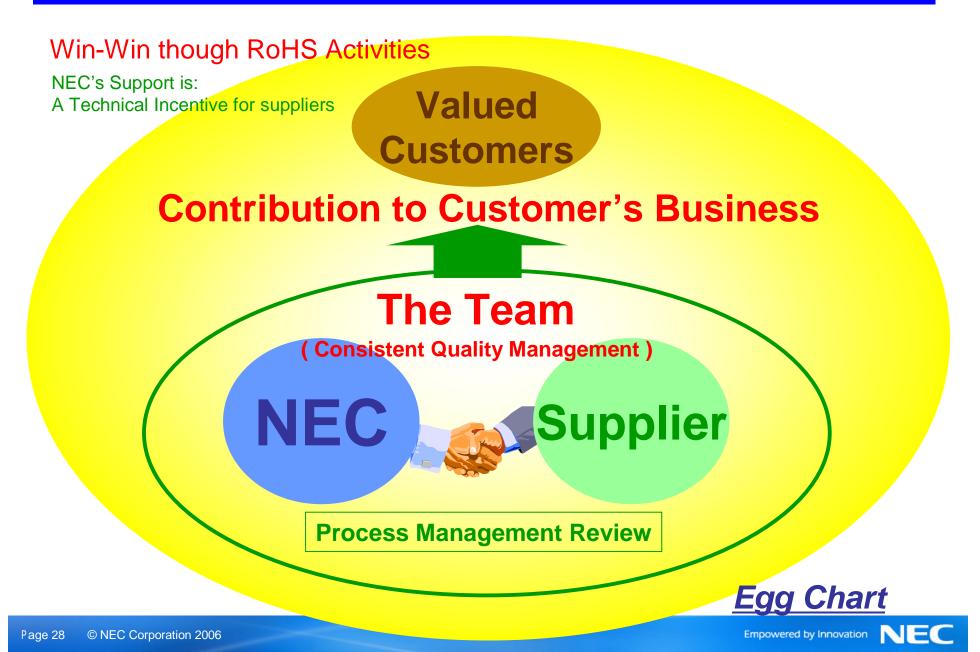


NEC built the "Supplier Management Program" for chemical substances

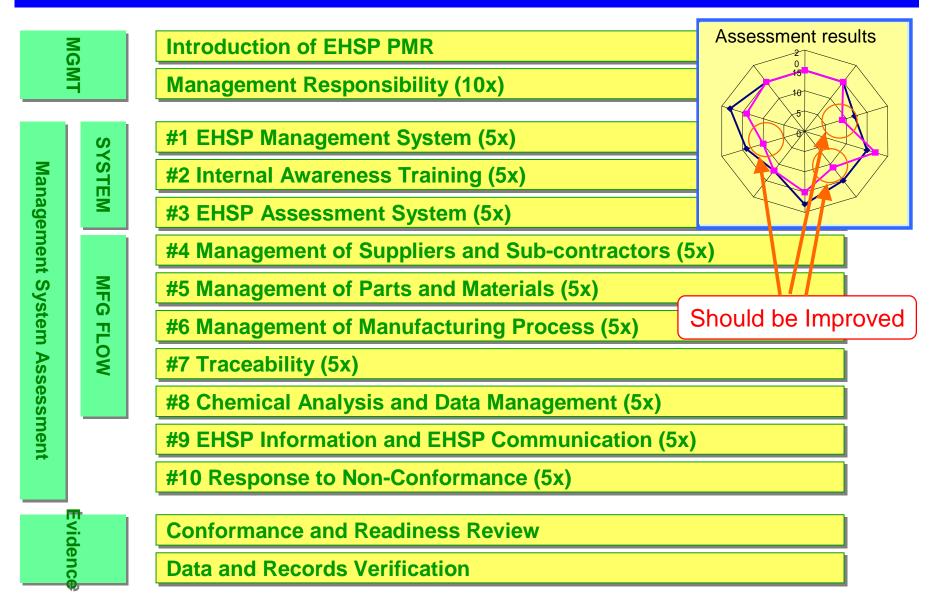
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Supplier Management Program



Assessment Sheet



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Expectations to Asia-Pacific Region

Build the smooth flow of the containing chemical substance information, in the mutual country which composes a supply chain.
 Reliability securing of the data

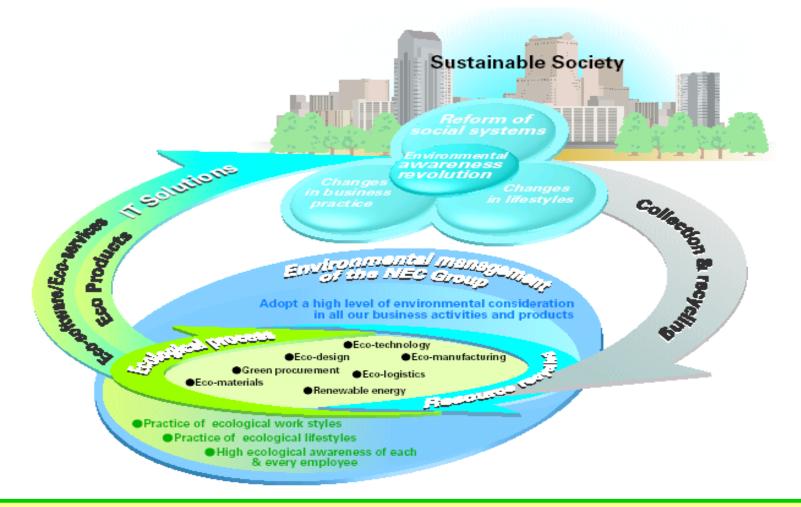
NEO

NEC's Corporate Social Responsibility

Promote CSR communications including the disclosure and accountability with multi-stakeholders

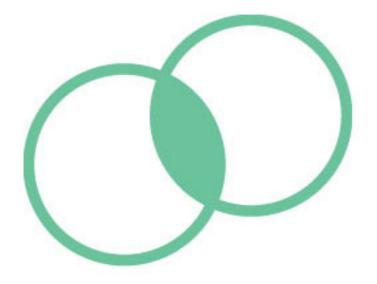


NEC Environmental Management Vision 2010



The NEC Group aims to be a truly excellent organization, one that promotes the development of social systems, business practices and lifestyles and that contributes to achieving a sustainable society through providing IT solutions





Ecology through IT www.it-eco.net

★ We are helping customers and society as a whole contribute to environmental conservation through our IT businesses.

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