

Prosperity of the APEC Region Through Law and Technology

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Intellectual Asset Operations

About NEC



Profile

Corporate Name NEC Corporation

Established July 17,1899

President Akinobu Kanasugi

Capital ¥244.7 billion (\$2,074 million) - As of Mar. 31,'03 -

Net Sales ¥4,695.0 billion (\$39,788 million)

- For the fiscal year ended Mar. 31,'03 -

Employees NEC Corporation

24,301 - As of Mar. 31,'03 -

NEC Corporation and Consolidated Subsidiaries

145,807 - As of Mar. 31,'03 -

Consolidated Subsidiaries Domestic: 86 companies

Overseas: 97 companies - As of Mar. 31,'03 -

Internet solution business including the

manufacture and sales of computers,

communications equipment, electronic devices and

software

Notes:

1.US \$1=¥118

2.All data are based on a consolidated basis.

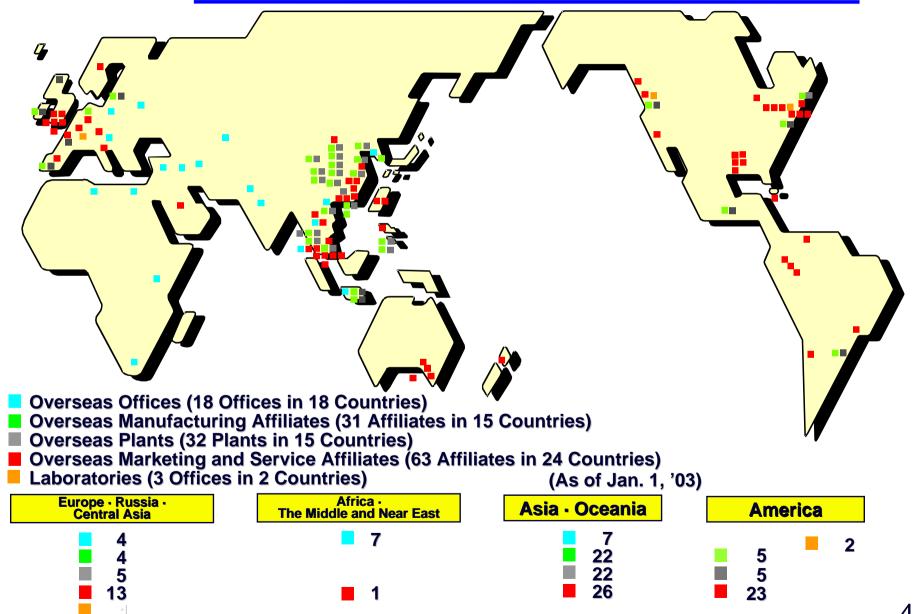
Major NEC Group

Operations



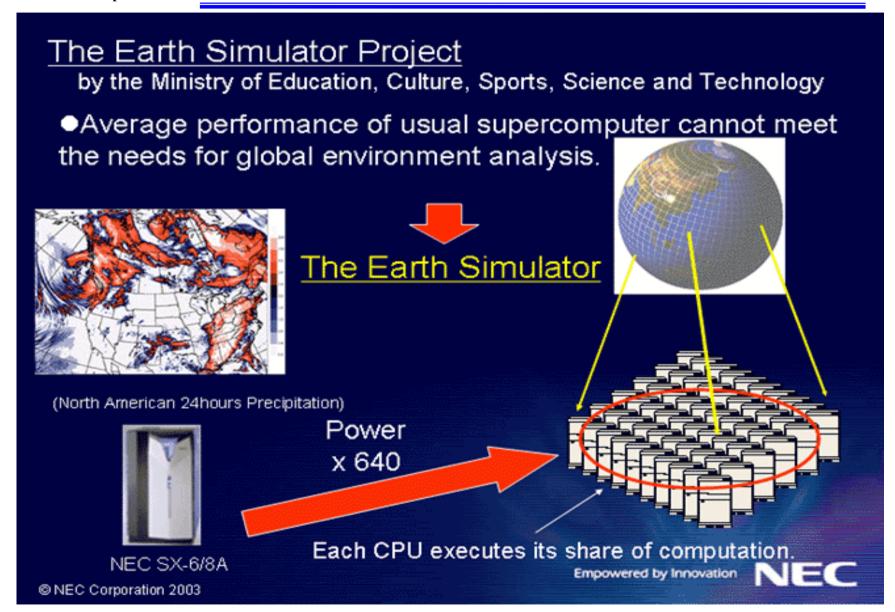
Overseas Offices and Plants

Intellectual Asset Operations



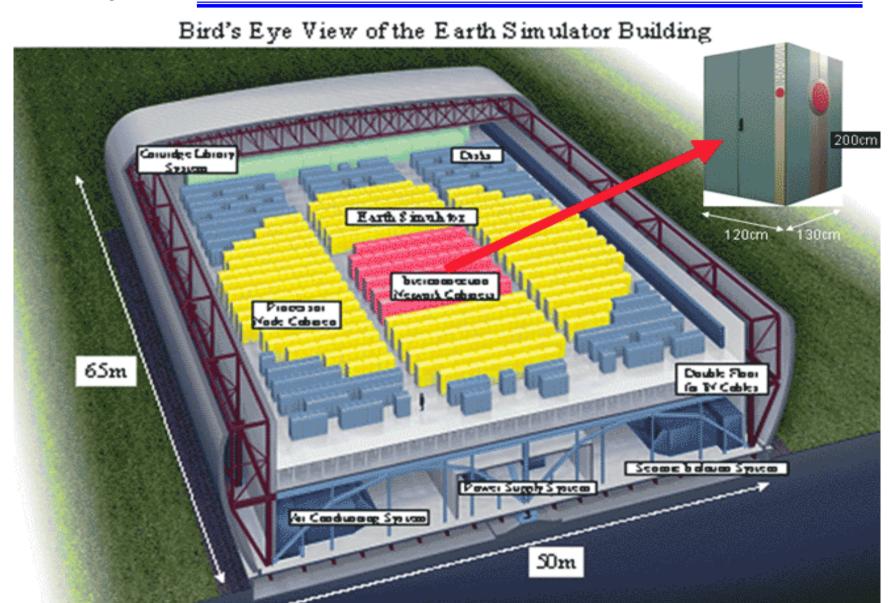


The Earth Simulator





Intellectual Asset Operations





U.S. Patent Registration Ranking

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	02	01	00	99	98	97	96	95	Rank
3,333	IBM	IBM	IBM	IBM	IBM	IBM	IBM	IBM	1
1,895	CANON	N E C	N E C	N E C	CANON	CANON	CANON	CANON	2
1,833	N E C	CANON	CANON	CANON	N E C	N E C	MOTOROLA	MOTOROLA	3
1,833	MICRON	MICRON	SAMSUNG	SAMSUNG	MOTOROLA	MOTOROLA	N E C	N E C	4
1,616	HITACHI	SAMSUNG	LUCENT	SONY	SONY	HITACHI	HITACHI	TOSHIBA	5
1,566	MATSUSHITA	MATSUSHITA	SONY	TOSHIBA	FUJITSU	MITSUBISHI	MITSUBISHI	MITSUBISHI	6
1,456	SONY	SONY	MICRON	FUJITSU	TOSHIBA	FUJITSU	TOSHIBA	HITACHI	7
1,417	GE	HITACHI	TOSHIBA	MOTOROLA	KODAK	TOSHIBA	FUJITSU	MATSUSHITA	8
1,408	MITSUBISHI	MITSUBISHI	MOTOROLA	LUCENT	MITSUBISHI	SONY	SONY	KODAK	9
1,329	SAMSUNG	FUJITSU	FUJITSU	MITSUBISHI	HITACHI	KODAK	MATSUSHITA	SONY	10



I.P. Strategy of NEC



Present Situation in Japan

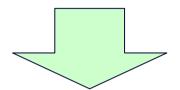
1. Enlargement of Overseas Manufacturing

- 2. Globalization of R&D is Unavoidable
- 3. Unintended Technology Outflow is Growing



Providing High Value Added Products / Services Protected by IP is the Best Solution for Japanese Companies





Planning and Enforcement of IP Strategy will Strengthen Sustainable Competitiveness of Companies

Aggressively Seek IP Registration

Focus on Core Technologies

License Non-core Technologies

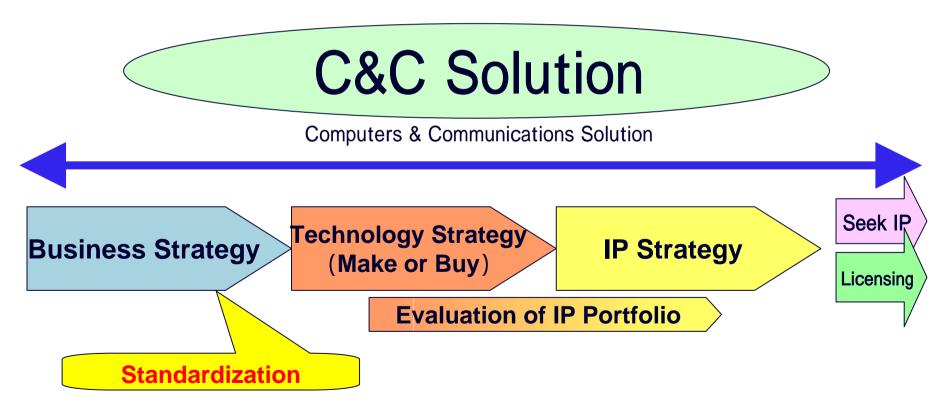
Manage Patent Portfolios

Analyze Patent Strategy of Competitors



NEC's IP Strategy

- Seek IP Registration Focusing on Core Technologies
- Strategically Manage IP Portfolios
- Combine R&D Strategy with Standardization Strategy





IP Licensing

Promotion of IP Licensing to enhance collaboration

- Patent Licensing
- Know-how Licensing

Problem

Weak IP Protection in Licensees' Countries May Cause Unintended Know-how and Technology leaks.



Establishment of Protection Infrastructure for Intellectual Assets (IA) in APEC



- To promote technology transfers in APEC, it is necessary to establish IA protection infrastructure. (not only IPR but also know-how).
- Each government in APEC should educate its people to respect the other parties' IA and obey the law.
- These will help to establish international Industrial collaboration.

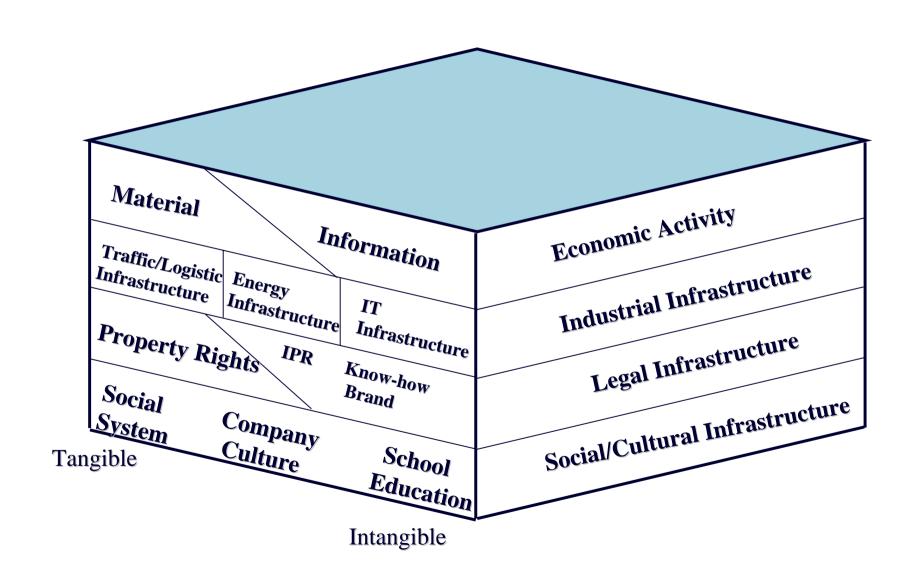


Remarks

For Prosperity of the APEC Region



Infrastructure for Law, Technology, etc.





- •Technological infrastructure and legal infrastructure should support each other to simultaneously progress.
- At present, only the technological infrastructure is making major progress, and the legal infrastructure cannot catch up with it. This causes worldwide economic disorder.
- Balanced development of legal infrastructure and technological infrastructure will bring prosperity to the APEC region.



Establishment of IA Protection Infrastructure

Fair and Disciplined International Manufacturing System

Prosperity of APEC Region

Worldwide Prosperity