

Empowered by Innovation

NEC

Research & Development at NEC

June 29, 2009

Takemitsu Kunio

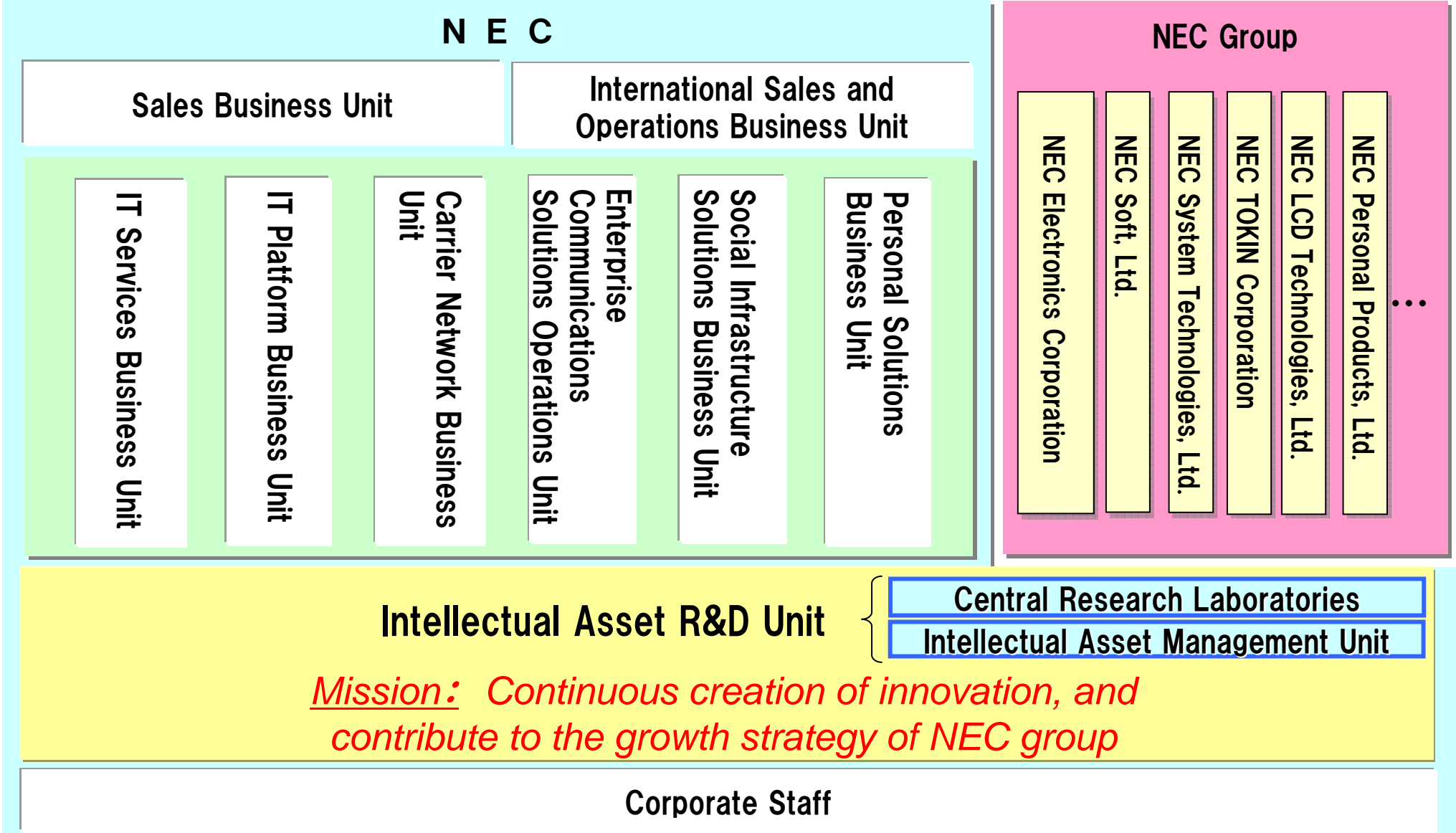
Associate Senior Vice President

NEC Corporation

To be a leading global company
leveraging the power of innovation
to realize an information society
friendly to humans and the earth

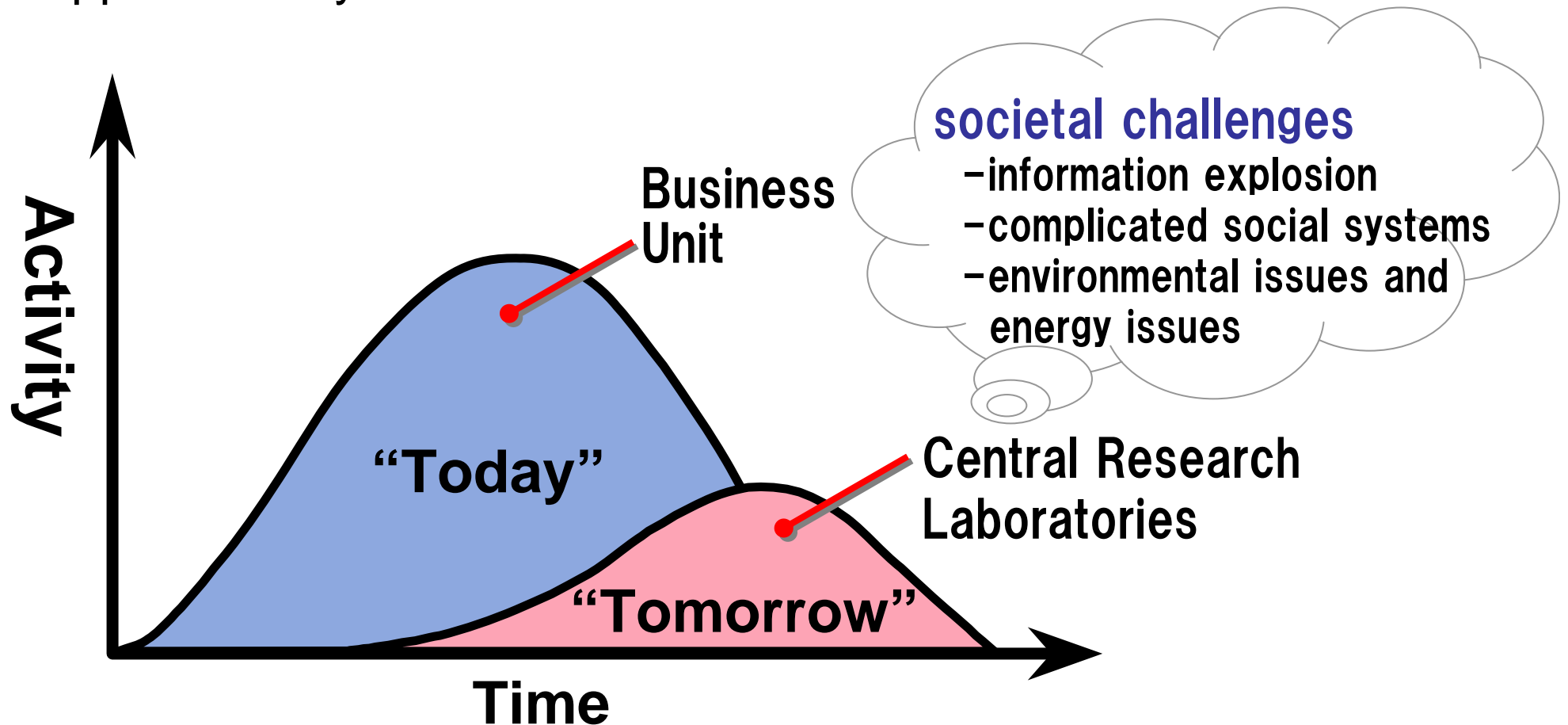
NEC Group Vision 2017

Organization Chart



Research & Development Areas

- Out of the corporate wide R&D expense, investment toward future technology, which is assigned to corporate R&D, is approximately 10%.



Organization

Central Research Laboratories

Number of Employees: Domestic 1000, Overseas 300

C&C Innovation Research Labs.

■ Research of new forms of information processing and communication with an outlook of 10 to 30 years into the future

Business Innovation Center

■ Promoting innovation in business using novel technologies developed at Central Research Laboratories

NEC Laboratories America, Inc
(Princeton, Silicon Valley, U.S.A.)

NEC Laboratories Europe
(Heidelberg, Bonn, Germany / Acton, U.K.)

NEC Laboratories China (Beijing, China)

Solution Platforms Research Group

Service Platforms Research Labs.

■ Research and development of service platforms and service applications as a basis for new solutions

Common Platform Software Research Labs.

■ Research and development of common technologies and information platform technologies for creating new solutions

IT/Network System Platforms Research Group

System Platforms Research Labs.

■ Research and development of platforms for telecommunications and IT systems

System Jisso Research Labs.

■ Research and development of equipment and module technology

System IP Core Research Labs.

■ Research and development of basic technologies that can be implemented in chips as NEC intellectual property (IP) cores thereby raising the competitiveness of NEC equipment and terminals

Materials and Process Research Group

Nano Electronics Research Labs.

■ Research and development of new functional electronic materials and devices for achieving advanced telecommunications, IT systems, and information devices

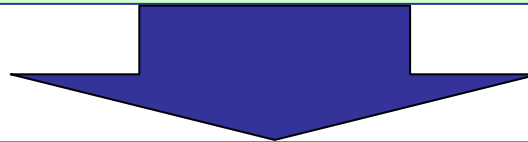
Device Platforms Research Labs.

■ Research and development of high-performance, high-function, and high-efficiency semiconductor devices for achieving advanced telecommunications, IT systems, and information devices

R&D Management that adapts to changing Environmental Trends

Transformation of R&D management is necessary in order to adapt to the changing business environment and eroding Added-Value.

➤ Maximize ROI of R&D



Execute the following initiatives as specific actions.

(1) Leverage Open Innovation

→ Speed up and improve efficient R&D by acquiring external technologies

(2) Challenge toward Concurrent R&D (R&D + Marketing)

→ Create values with leading markets/customers at early stages of R&D

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