

17th January 2011

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- 2. Hitachi's new R&D structure
 - 2.1 Reinforce overseas research centers
 - 2.2 Consolidate and re-organize domestic research laboratories
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- 3. Summary



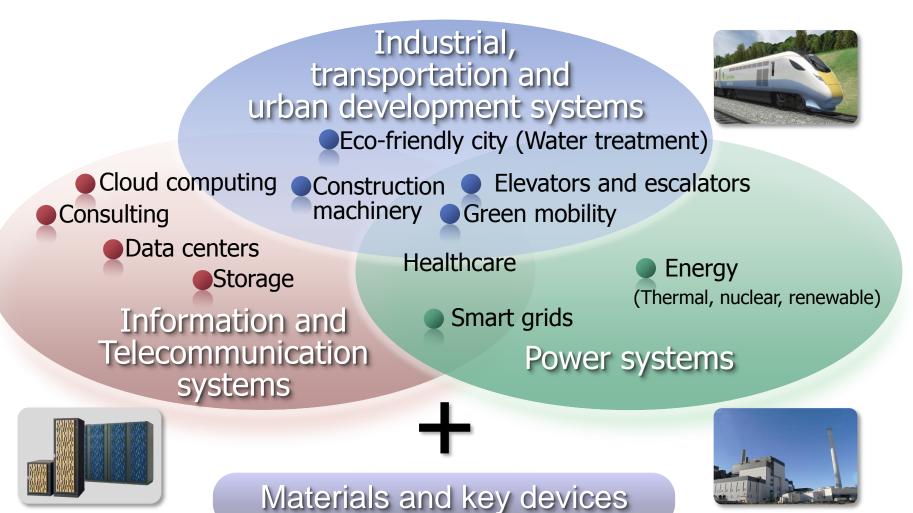
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Growth through Social Innovation Business





Develop globally by leveraging the information, experience and trust held by Hitachi & Group companies



Address social innovation needs by synergistic integration of social infrastructure and IT



Expand abilities to establish environmental systems by drawing on advanced environmental technologies and experience

Inspire the

New R&D structure to facilitate global growth in social innovation business

Basic strategy:

Reinforce domestic laboratories & expand locally led overseas research

Overseas research centers

• Reinforce locally-led global research

Double overseas research personnel

Domestic R&D organization

- Build-up the fundamental research organization to provide strong foundations for Hitachi one hundred years from now
- Consolidate and re-organize research into [Social infrastructure][IT• Monozukuri] to strengthen Honebuto and Fusion research



Reorganize the 6 corporate labs & 2 division labs into 3 corporate laboratories

Establish the Technology Strategy Office (tentative name)



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2.1-1 Reinforce overseas research centers



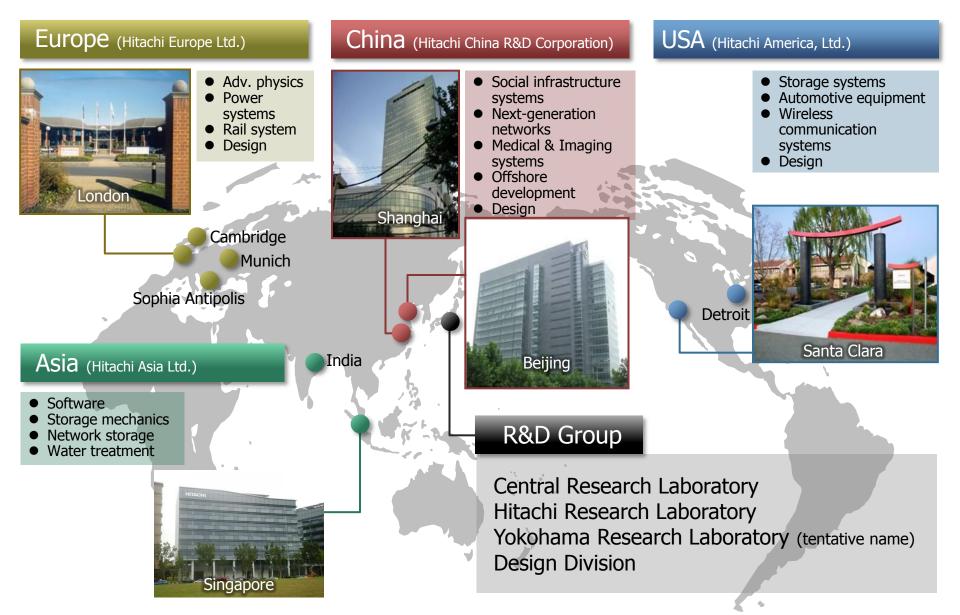
Strategy: Promote locally-led global research at the 4 worldwide research centers

[Initiative 1]: Increase overseas personnel ... FY2012 approx. 300 (2x) [Initiative 2]: Foster global R&D human resources ... FY2012: 90%+ local staff, 30%+ doctorate holders [Initiative 3] Focus on local social innovation business themes

China	 Participate in national social innovation business programs R&D base for local Hitachi Group companies
Europe	 Promote open innovation in cutting-edge physics Accelerate developments in social innovation business such as Rail & Power systems
USA	 Reinforce next-generation storage systems R&D Development of environment-conscious vehicular technologies
Asia	 2011 establishment of R&D base in India Alliance with research organizations in India

2.1-2. Four global research centers

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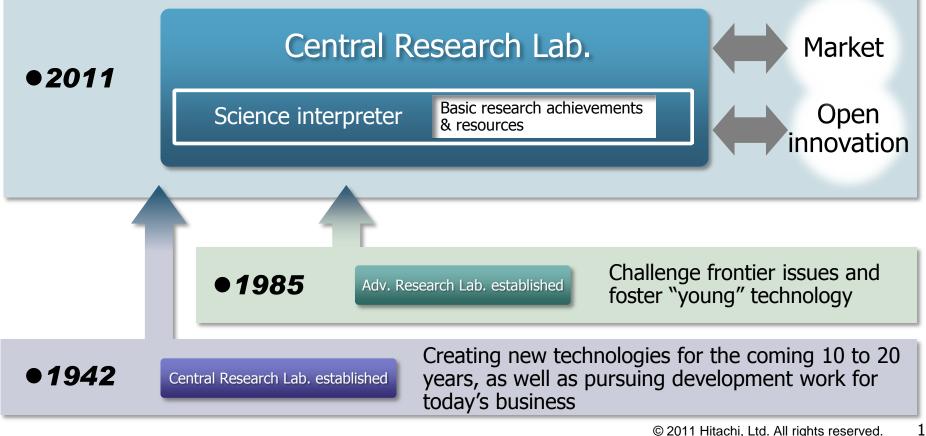
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2.2-1. Consolidate & re-organize domestic R&D (1) Inspire the Next

Initiative 1: Build-up the fundamental research organization to provide strong foundations for Hitachi one hundred years from now Consolidate Central Research Lab. & Advanced Research Lab.

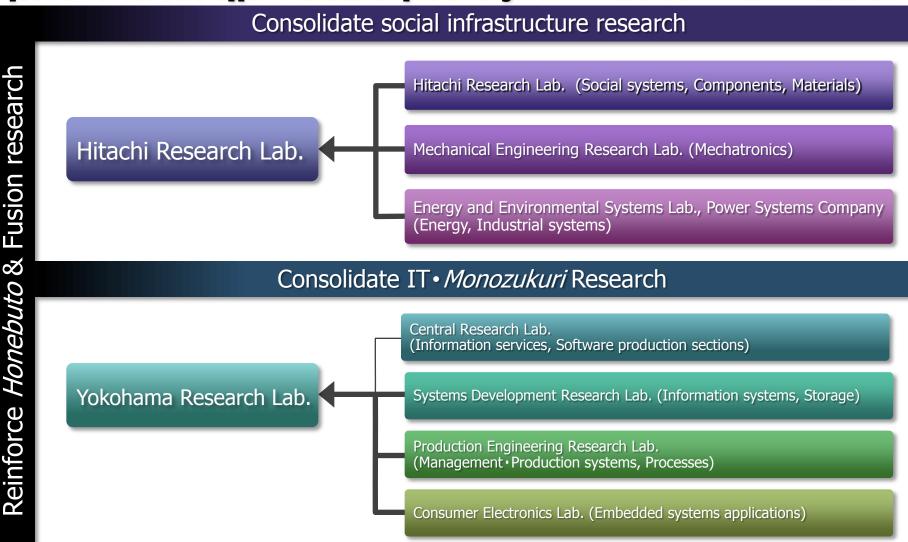
Strengthen basic research & reorganize to extend interface with the market



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2.2-2. Consolidate & re-organize domestic R&D (2) HITACHI

Initiative 2: Consolidate & re-organize research into [Social infrastructure][IT• *Monozukuri*] to strengthen *Honebuto* and Fusion research





Central Research Lab. Promote fur

Promote fundamental to applied seamless R&D

Hitachi Research Lab.

Enhance synergy through integration of social innovation

Yokohama Research Lab.

Achieve higher efficiency through convergence of IT research & fusion of *Monozukuri*

2.2-4. Central Research Laboratory



Promote fundamental to applied seamless R&D

Personnel: approx. 900





Kokubunji-shi, Tokyo



Hatoyama-machi, Saitama

2.2-5. Hitachi Research Laboratory



Enhance synergy through integration of social innovation

• Personnel: approx. 1,200

Mission

R&D to support social innovation business such as Social & Life infrastructures and underlying materials & key devices

Research area

Energy, Environment, Materials, Transport systems, Urban systems, Batteries, Motors, etc.





Hitachi-shi, Ibaraki



Hitachinaka-shi, Ibaraki

2.2-6. Yokohama Research Laboratory



Achieve high efficiency through convergence of IT research & fusion of *Monozukuri*

Personnel: approx. 1,100

Mission

R&D for information platforms supporting IT & Infrastructure Fusion business & *Monozukuri* technology

Research area Next generation IT platforms, *Monozukuri* technology

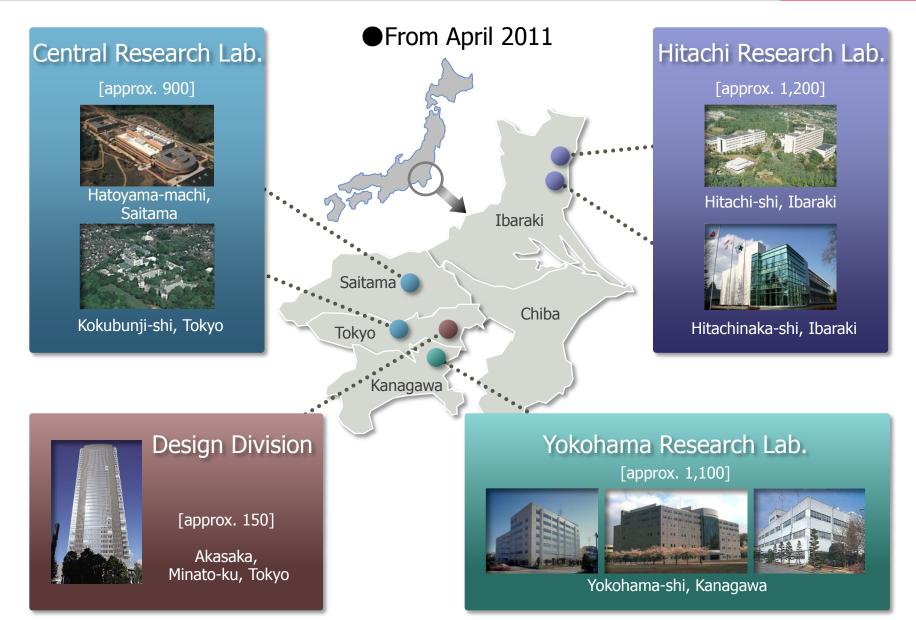




Yokohama-shi, Kanagawa

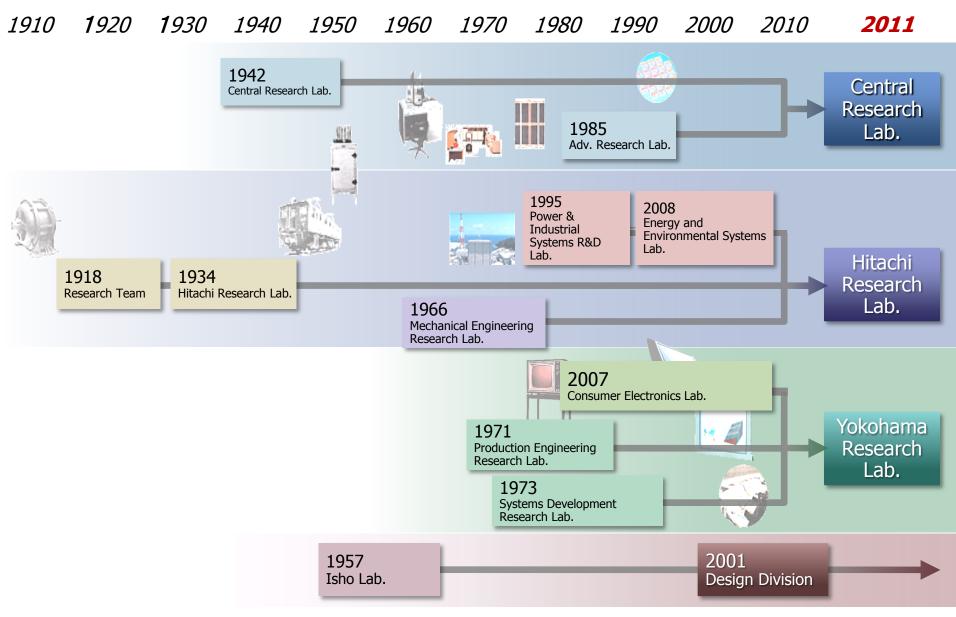
2.2-7. Location of new corporate laboratories

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2.2-8. Transition of laboratories

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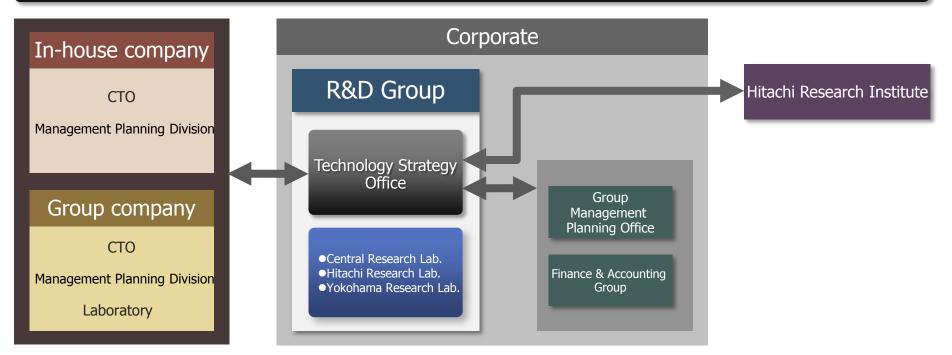
2.3-1. Establish Technology Strategy Office



Connect Group corporate labs with business divisions Accelerate expansion of priority businesses

Main role: Draw-up technology strategies to achieve Hitachi Group key management strategies

- Propose Technology Roadmap for the Hitachi Group
- Propose trans-Group strategic projects



2.3-2. R&D schemes

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Business target	2010	2015	2025
Management strategy	Growth through social innovation business Business strategy roadmap		
Hitachi Group			
Research & Development	Technolo	ogy roadmap	
	Sponsored research Adv. sponsored research (Company funds) Current business / next- generation business expansion <generate 1="" business="" no.=""></generate>	Frontier & Platform resea (Corporate fund Generate innovat & disruptive technol <shifts in="" paradign<="" td=""><td>ls) ive ogies</td></shifts>	ls) ive ogies



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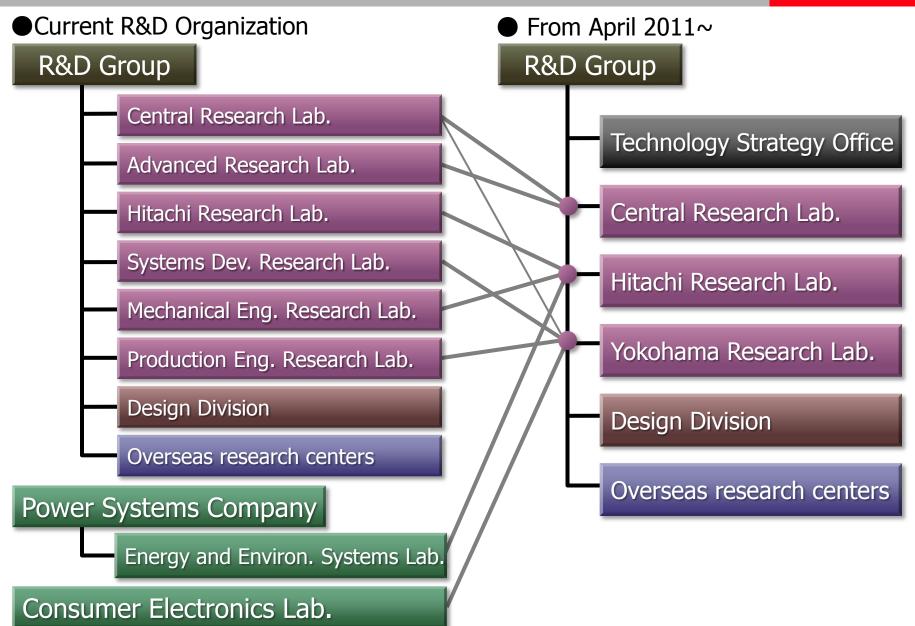
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3-1. New R&D Organization



3.2 Summary



New R&D structure to facilitate global growth in social innovation business

- 1. Reinforce overseas research centers
 - Double overseas staff (FY 2012)
 Establish a new R&D base in India (2011)
 Focus on local social innovation business themes

2. Consolidate & re-organize domestic laboratories (April 2011)

- Build-up the fundamental research organization to provide strong foundations for Hitachi one hundred years from now
- Consolidate and re-organize research into [Social infrastructure][IT• *Monozukuri*] to strengthen *Honebuto* and Fusion research

Consolidate & re-organize the 6 corporate labs & 2 division labs into 3 corporate laboratories

3. Newly establish the Technology Strategy Office

Draw-up technology strategy to achieve Hitachi Group management strategies



END

Hitachi Establishes New R&D Framework to Spur Global Growth of the Social Innovation Business

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