

JAXA's Program/Project Management Organization and Activities

Presented to Project Management Challenge 2010 @Houston
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-Chief Engineer

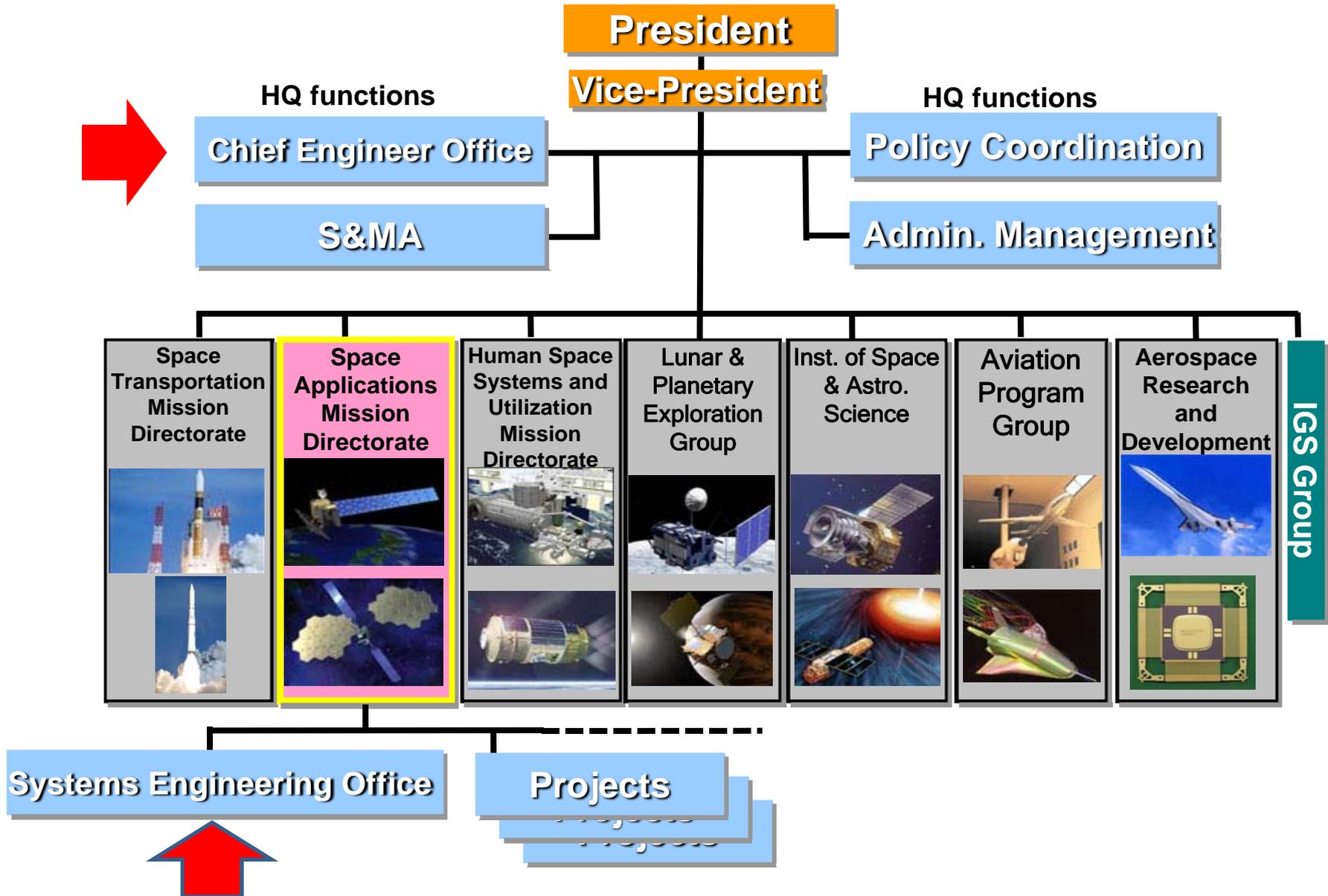
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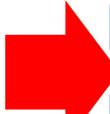


JAXA's Organization



Programs



 **Space Applications Program**
(Earth observation, Communication, Positioning etc.)

ISS Program
(ISS, Manned Space Activity & Utilization etc.)

Space Science
(Astronomy, Solar/Planetary Research etc.)

Space Flight & Operations
(Transportation, Launch Facility, Tracking etc.)

Aerospace Technology

Aviation Program

Lunar & Planetary Exploration Program

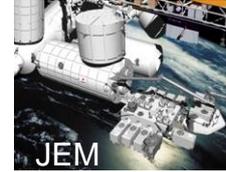
Reliability Improvement Program

International Cooperation (stress on Cooperation with Asian countries)

Collaboration with Private and Academic Sectors

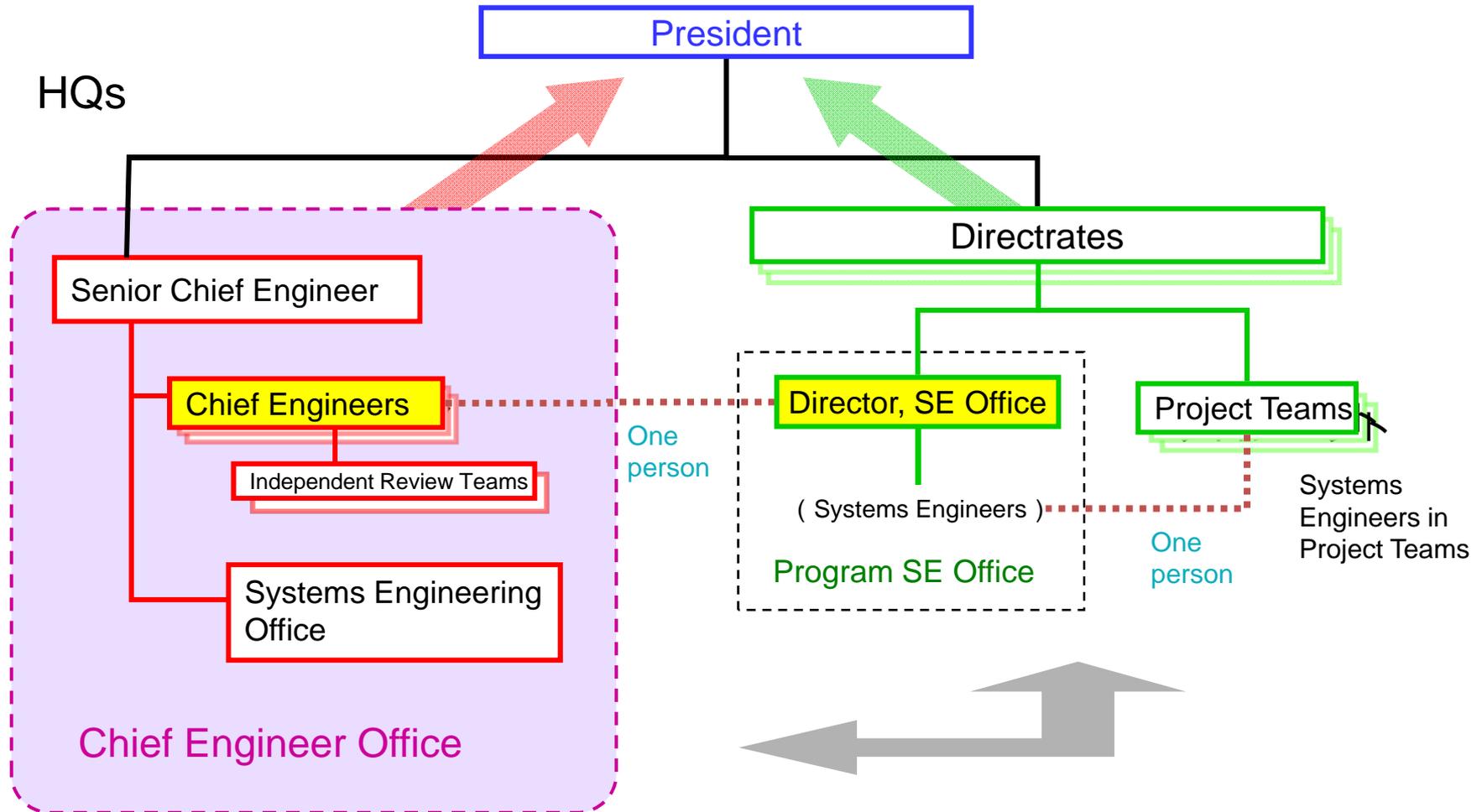
Graduate Students Education / Training

Spin-off



The Chief Engineer Office

- established in October 2005 -



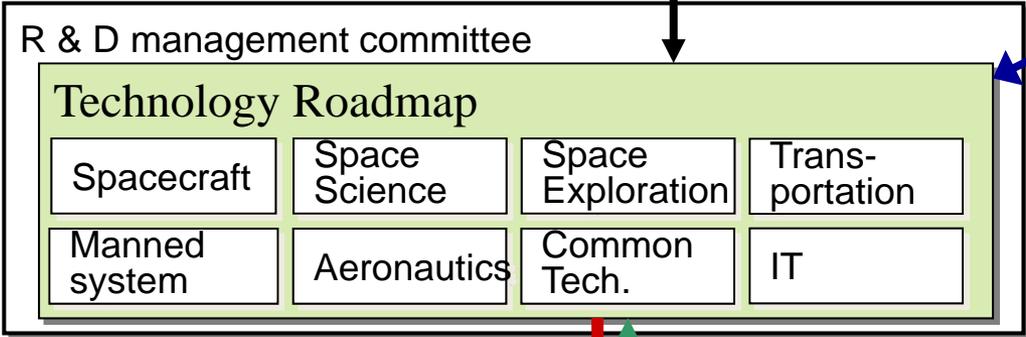
Ongoing Activities in the Chief Engineer Office

- I. Research & Development Strategy
 - 1. Technology Roadmap
 - 2. Effective Resource Investment to R&D
- II. SE/PM Process
 - 1. SE process guidelines
 - 2. PM process regulations
- III. Check & Balance for Projects
 - 1. Project Oversight Council
 - 2. Independent Review Teams
 - 3. Risk & Cost Review by the Chief Engineer Office
- IV. Knowledge Accumulation and Effective Use
 - 1. TRL
 - 2. Know-Who Database
 - 3. Process to Accumulate and Use the Knowledge
- V. Front Loading
 - 1. Next Generation MDC (Mission Design Center)
 - 2. Early Study
- VI. Engineer Training
 - 1. Human Resource Development
 - 2. SE/PM Training

Technology Research & Development Strategy

Long Term Vision

Mission Roadmap



Program

Investment Of funds ↓ Mission implementation ↑

Project

Participation in Development

SE

- Organizational Cooperation
- Staff exchange

@laboratory

Discipline Engineering (DE)

Basic & Advanced Research
Germinal Research

Front loading for Development

Participation in Development

Basic & Germinal Research Funds outside Program

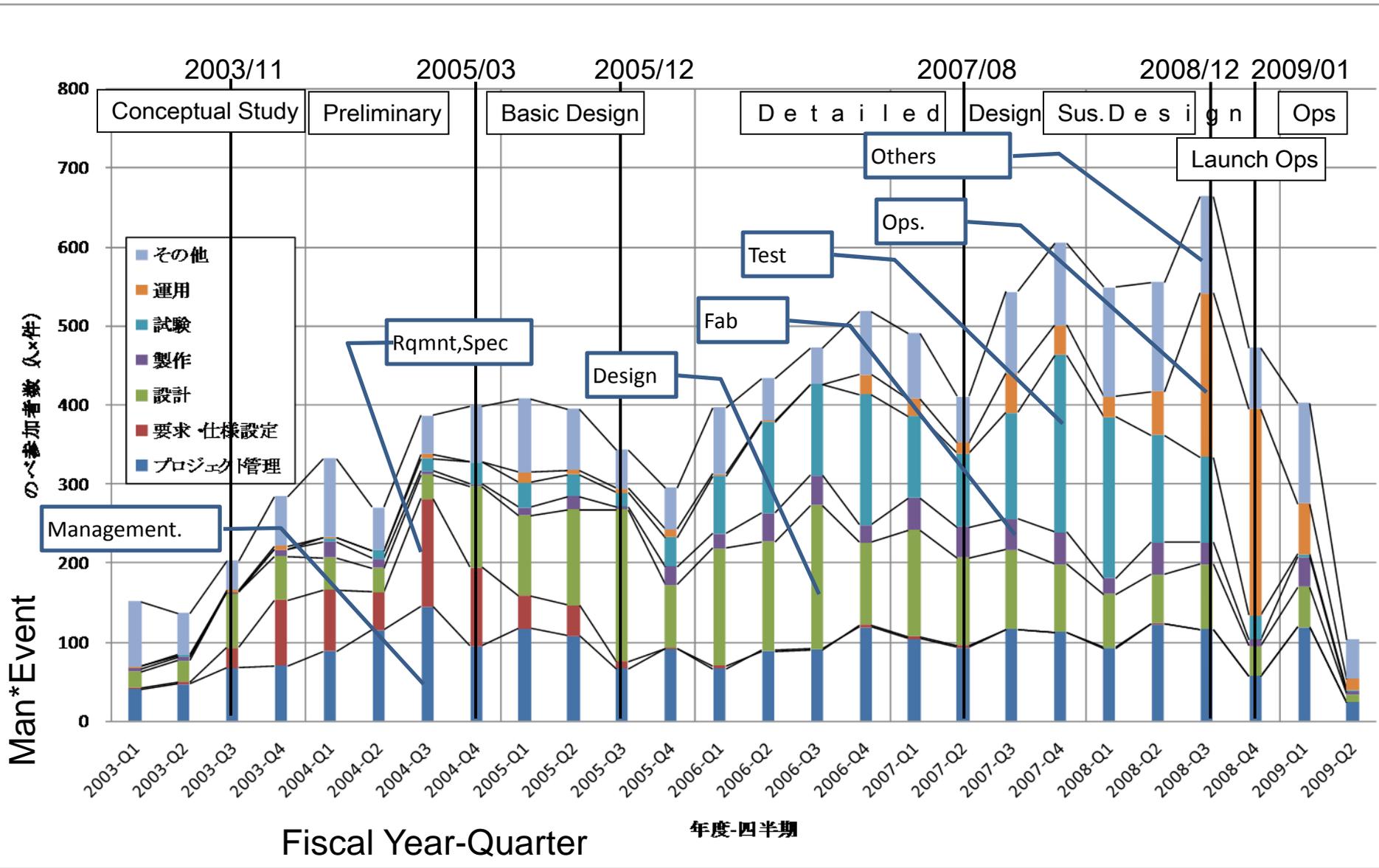
• SE skill is necessary in DE

Discipline oriented

System oriented



GOSAT Project Man-Power Analysis



St. Valentine's Day Mail Delivery from Space Using KIZUNA (WINDS) With Cutting-edge Technology "Cloud Computing"

- 1) Register mail address(es) of your loved one to whom you would like to send a love message by 9:00 am Feb. 12, 2010 (Japan Standard Time).
- 2) The content of the message is fixed in order to prevent spam. You can select your illustration card from the choices on the website.

http://www.satnavi.jaxa.jp/mail_event/index_en.html

Wideband InterNetworking engineering test and Demonstration Satellite "KIZUNA" (WINDS)

