Briefing for INDUSTRY
Business Opportunities with the Jet Propulsion Laboratory

Planetary Flight Projects Directorate

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Planetary Flight Projects

- Implements all of JPL's solar system missions/elements
  - Mars and non-Mars
  - Planets and small bodies
  - Missions and instruments
  - Development and operations
  - NASA, ESA, CNES, ISAS . . .
- Implements New Millennium missions/elements that have future planetary mission application

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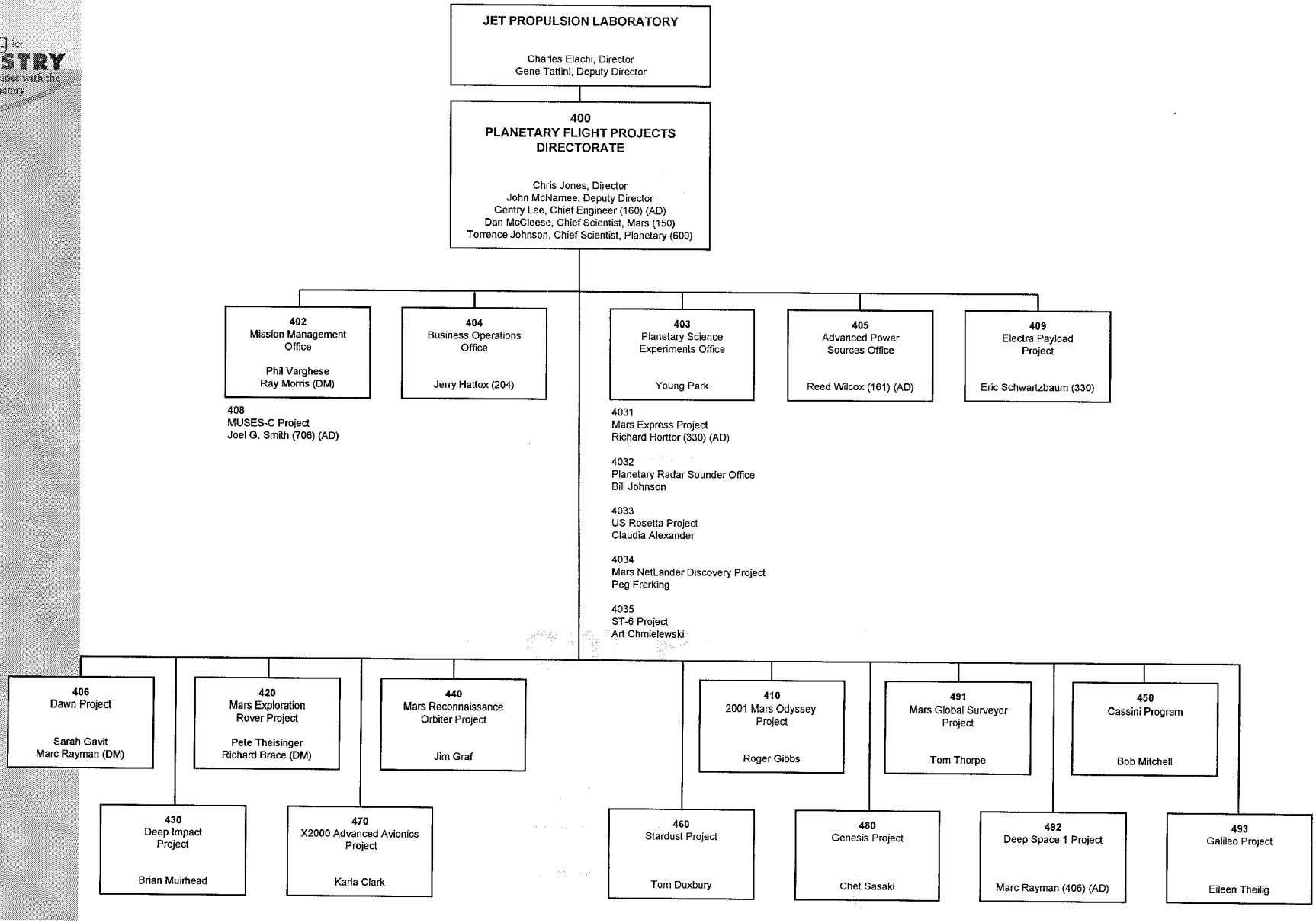

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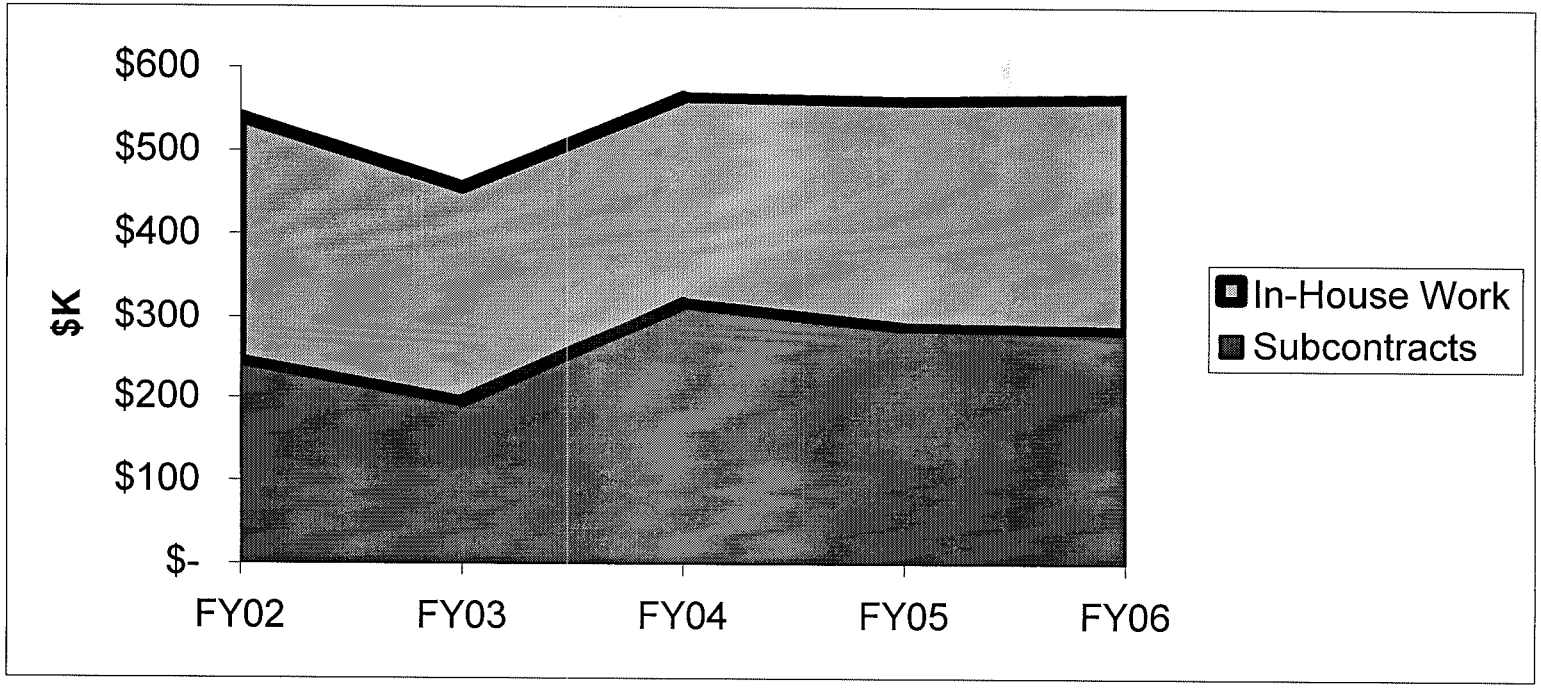
Examples of Mission Implementation

	System Contract	S/C Bus Procurement	Integrated Team Approach	In-House Development	JPL Minimum Participation
	e.g. Stardust	e.g. CloudSat	e.g. StarLight, DI	e.g. MER	
Science	PI or Co-I/Project Scientist	PI or Co-I/Project Scientist	PI or Co-I/Project Scientist	PI or Co-I/Project Scientist	PI or Co-I/Project Scientist
Project Management	JPL	JPL	JPL	JPL	JPL
Project/Mission Engineering	JPL Leads	JPL	JPL Leads	JPL	JPL Leads
Mission Assurance	JPL Leads	JPL Leads	JPL Leads	JPL	
Mission Design/Navigation	JPL Leads	JPL	JPL Leads	JPL	
Mission Operations	JPL Leads	JPL	JPL Leads	JPL	
Flight System Management	JPL or Contractor (Typically contractor)	JPL	JPL or Contractor	JPL	
Payload Management	JPL or Contractor (Typically Contractor)	JPL	JPL or Contractor	JPL	
Spacecraft Bus Management	Contractor	Contractor	JPL or Contractor	JPL	
Spacecraft Bus	Contractor	Contractor	JPL, Contractor or Both	JPL	Significant contribution by JPL, an instrument, lander, probe, carrier s/c
Spacecraft Subsystems	Contractor	Contractor	Contractor or Both	JPL Cog E (Procured assemblies and /or subsytems)	
Flight Software	Contractor	JPL, Contractor or Both	JPL and Contractor	JPL	
Technology Development	JPL Leads/Contractor Develops	JPL	JPL Leads	JPL	
Payload/ Instruments	JPL, Contractor, Other	JPL, Other	JPL, Contractor, Other	JPL, Other	
Flight System I&T	Contractor	JPL	JPL or Contractor	JPL	
Ground System	JPL or Contractor	JPL	JPL or Contractor	JPL	

Planetary Flight Projects Work to Industry



	FY02	FY03	FY04	FY05	FY06
Subcontracts	$ 245	$ 196	$ 317	$ 288	$ 284
In-House Work	$ 295	$ 259	$ 249	$ 273	$ 280
Total	$ 540	$ 455	$ 566	$ 561	$ 564