



Technology Transfer and Innovative Partnerships at JSC

Adding Value to NASA and Benefits to the Nation

presented to

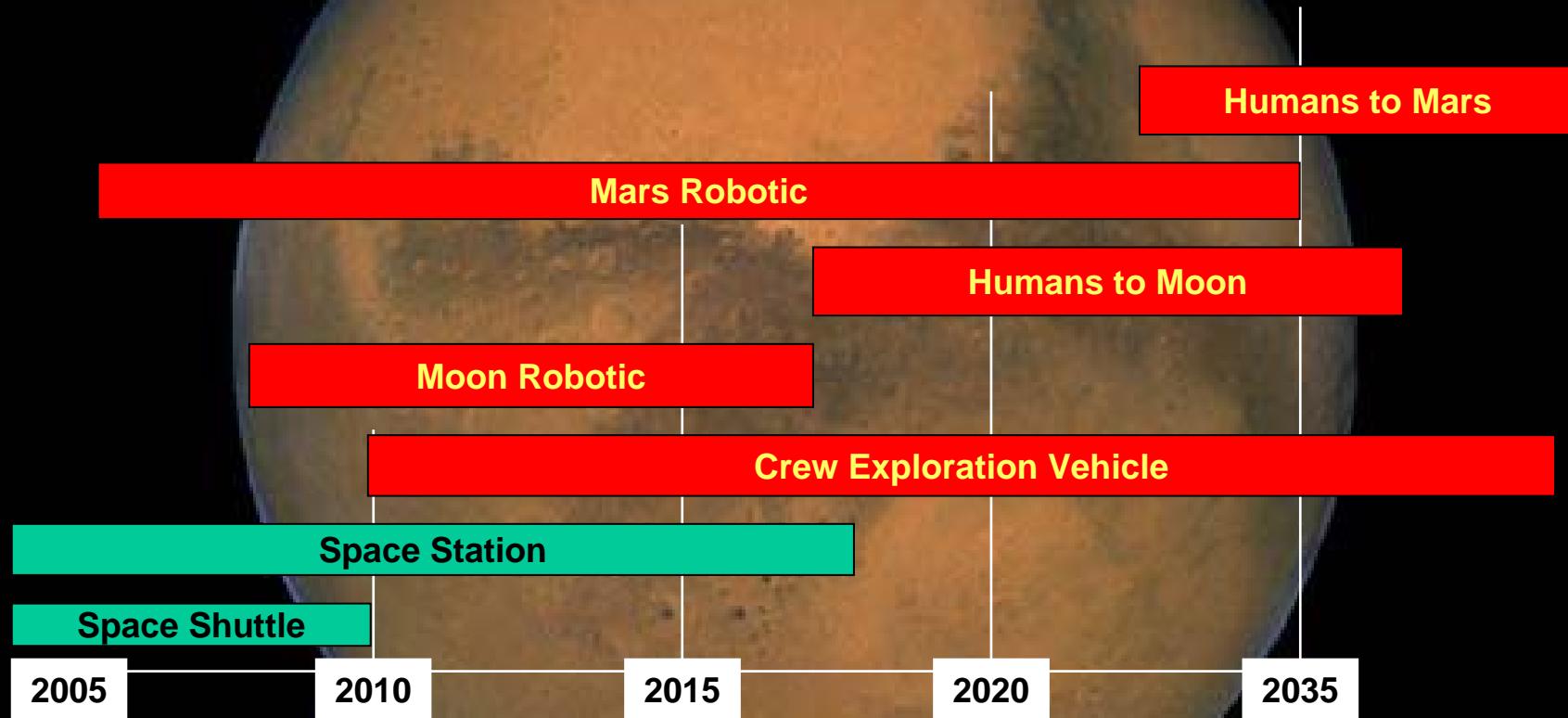
FLC-Making The Connection

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NASA's New Vision For Exploration



= Constellation Systems

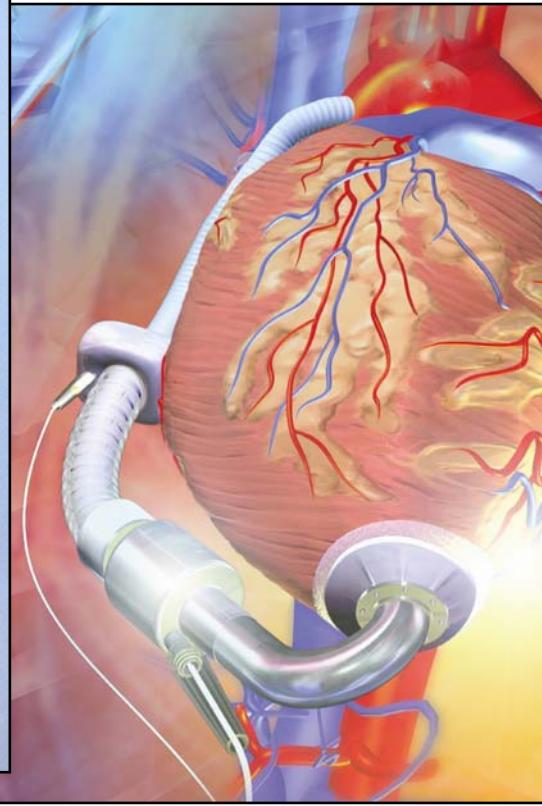


JSC Technology Transfer and Innovative Partnerships Functions

- ***Make space technologies available for commercialization (spin-offs)***
 - Protect NASA intellectual property (IP)
 - Negotiate licenses
- ***Facilitate collaborative partnerships by leveraging external resources and strengths (spin-in, infusion)***
 - Strategic alliances
- ***Encourage and enable the emergence of the U.S. commercial space sector***
- ***Widely communicate benefits of space technologies***



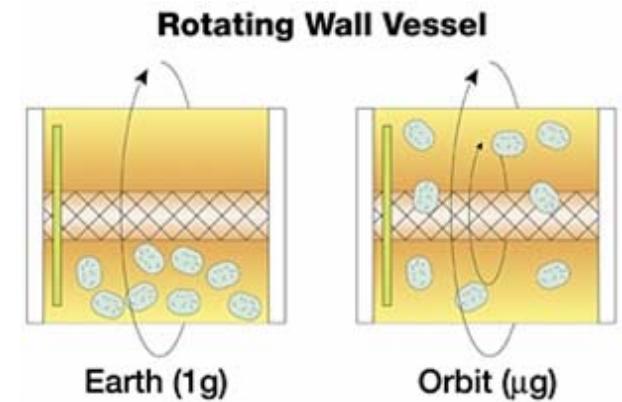
Space Shuttle Spinoff



Necessity is the Mother of Invention



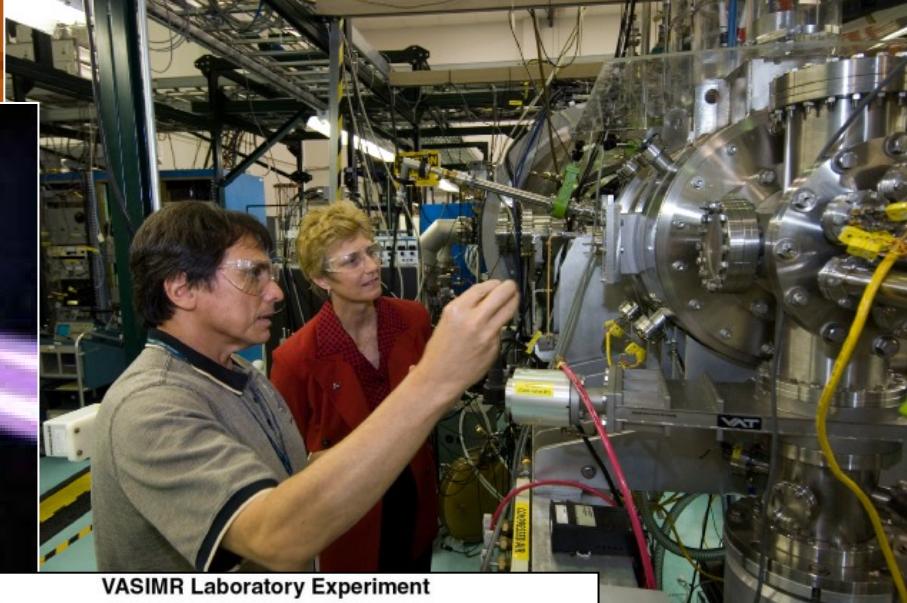
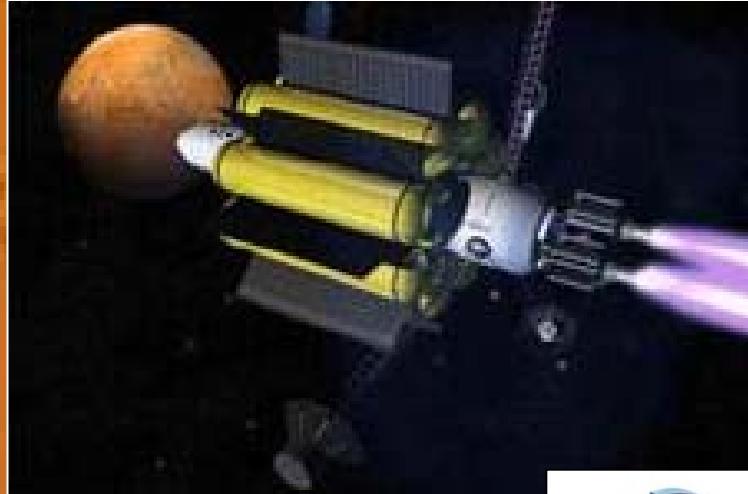
From 2D petri dish to 3D Bioreactor



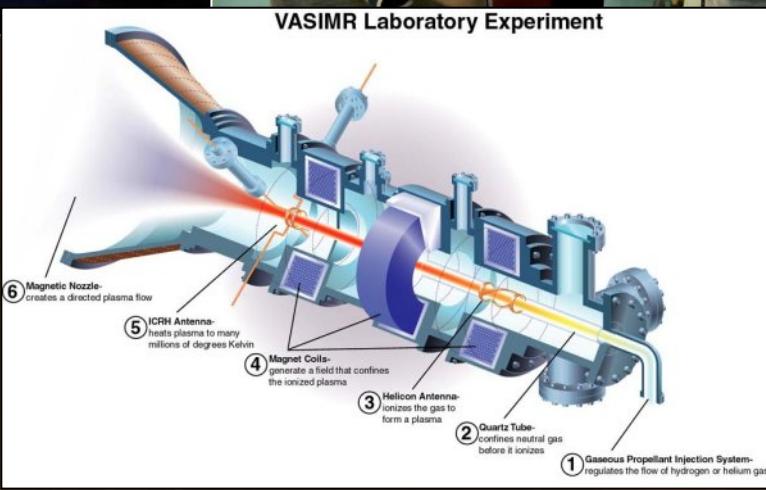
Synthecon Inc.
www.synthecon.com



Ad Astra Rocket Company



VASIMR Laboratory Experiment





Bigelow Aerospace



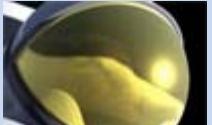


Infusion Topics of Interest

- *Integrated Vehicle Health Management*
- *Structures, Materials, and Mechanisms*
- *Thermal Protection*
- *Propulsion and Cryogenics*
- *Thermal Control*
- *Lithium-ion and lithium-sulfur batteries, regenerative fuel cells, and technologies for solar and nuclear surface power systems*
- *Avionics & Software Communications*
- *Environmental Control & Life Support Crew Support & Accommodations*
- *In-Situ Resource Utilization*
- *Robotics and Operations*

Find out more at

<http://technology.jsc.nasa.gov>



Our Communications Tools *(continued)*



The screenshot shows the NASA Technology Transfer website. At the top left is the NASA logo. The page title is "Technology Transfer" with the tagline "Make Space for Business". A sidebar on the left lists links such as JSC Home, NASA Home, Tech Transfer Home, NASA IPP Sites, About Us, Success Stories, Licensing Opportunities, Partnering Opportunities, Small Business Programs, New Technology Reporting, Technology Resources, Profiles, Partner Organizations, News, and Video Gallery. The main content area features a large image of a satellite in space with the text "Office Of Technology Transfer" overlaid. Below this are two smaller images: one showing a microscopic view of a cell and another showing a spectrogram or heatmap.

A collage of images related to space technology and business, including a man in a suit, a hand holding a pen, a satellite in space, a rocket launching, and a close-up of a pen.

| You Are On: + Technology Home > Partners Organizations | |
|---|--|
| PARTNER ORGANIZATIONS | |
|  | Space Alliance Technology Outreach Program + http://www.spacetechsolutions.com |
|  | Houston Technology Center + http://www.houstontech.org |
|  | National Space Biomedical Research Institute + http://www.nsbri.org |
|  | Bay Area Houston Economic Partnership link + http://www.bayahouston.com |
|  | Space Technology Hall of Fame + http://www.spacetechhalloffame.org |

The image consists of two panels. The left panel is a promotional graphic for the MicroMed DeBakey VAD, featuring a man with a mechanical heart pump in his chest, set against a background of a heart and blood vessels. The text reads "The MicroMed DeBakey VAD® Innovation in Cardiovascular Surgery". The right panel is a screenshot of a software application titled "Orbital Insertion Model". It shows a flowchart with nodes like "Proposed", "Chemical_Propulsion_Systems", "Im_Engine_Required", "Deposition_CPS", "Mems_CPS", "Momentum_Change", "Velocity_Change_Required", and "Mass_Obster_Lander". Arrows indicate the flow of data between these nodes, and there are also some mathematical symbols and a small graph.



HOW NASA IMPROVES OUR QUALITY OF LIFE





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