

Tools Automate Spacecraft Testing, Operation



Goddard Space Flight Center

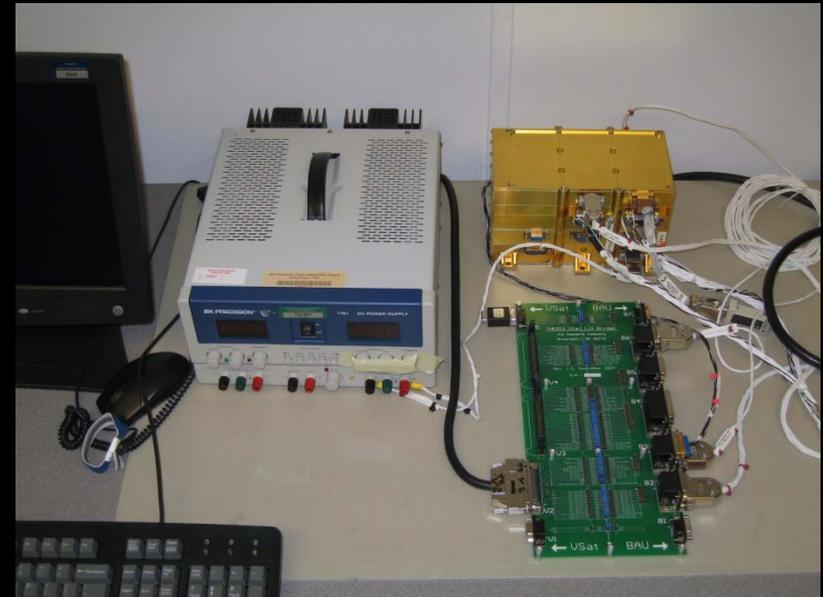
***The Hammers Company Inc. (tHC Inc.)
Greenbelt, Maryland***

Originating Technology/NASA Contribution

- ◆ NASA began the Small Explorer (SMEX) program to develop low-cost, high-performance spacecraft for science missions
- ◆ To support these science-seeking missions, NASA began work on a software system to assist in developing and testing spacecraft

Partnership

- ◆ Through SMEX, tHC Inc. created an all-in-one software for the development, testing, and on-mission operation of spacecraft
- ◆ The company also developed a satellite simulation tool through the Small Business Innovation Research (SBIR) program



Product Outcome

- ◆ Both software tools are in use by commercial entities in the aerospace industry
- ◆ The software is applied to support the development of science instruments, spacecraft computer systems, and navigation software
- ◆ The technology has created and saved more than a dozen jobs at the company