David Brower - Bio

Founder & President of Astro Technology

David has built his expertise over a long career in the aerospace and energy industries. He worked in both the private sector as well as the NASA space program before becoming an entrepreneur. Constantly pursuing new ideas, he began developing Astro Technology's sensor system while working on rocket motors. He began his career after graduating in Material Science & Mechanical Engineering from the University of Utah. For the next 10 years, David worked for Hercules Aerospace Company, leading efforts in rocket motor design and fabrication. He oversaw development of rocket motors deployed in nuclear submarines for the US Navy Fleet Ballistic Missile Program.

At the end of the Cold War, he moved his family from Salt Lake City to Houston to work in the space program with NASA. He helped design a lunar-based rocket motor that used materials mined from moon rock. The rocket motor was designed to propel a lunar-based vehicle that could rendezvous with an orbiting space vessel and subsequently supply a manned colony on the moon.

Innovating to create subsea systems

After five years in the space program, David founded Astro Technology. Due to his expertise in rocket motors and through the US Department of Defense, he participated in the counter-proliferation of weapons of mass destruction that resulted from treaties between the United States and Republics of the former Soviet Union. His role was to demilitarize Russian Intercontinental Ballistic Missiles.

During his work with rocket motors, David designed a new sensor system that could be safely used in contact with propellants. The oil and gas industry began using this system to measure pressure, strain and vibration on subsea pipe lines. David later advanced the sensor system and has installed it in deepwater fields throughout the oil and gas industry. He has installed operational sensors on subsea equipment in water depths of 7,500 feet and on deepwater flowlines up to 60 miles in length.

He currently is leading a joint technology development project with NASA and subject matter experts in the oil and gas industry. This effort is designed to implement new technologies into subsea oil and gas projects that will greatly reduce the risk of oil spillage and environmental contamination such as the event in the Gulf of Mexico in the summer of 2010. This study is

unique in that it combines the technologies of two major industries, NASA and energy. The net result will be better systems and job creation that will benefit the local area and economy.

Mr. Brower has approximately 12 patents pending and several others in progress.

A commitment to new ideas, family and travel

David is deeply committed to his family – and to travel, sport and outdoor adventure. Having fished, camped and hunted in the Rocky Mountains during his youth, he became an avid high altitude mountain climber after trekking in the Himalayas. His climbs have included Kilimanjaro, Elbrus, Whitney, Rainier, and Aconcagua – the highest mountain in the Western Hemisphere, with an elevation exceeding 22,800 feet. He has researched and spent time exploring the jungles of Central America in search of pre-Columbian ruins and artifacts.

David's history with sport includes a stint playing football in a semi-professional league. As a biker, he completed the charity ride for the Multiple Sclerosis Society, traveling 150 miles from Houston to Austin. David seeks to share the values and experiences he has gained from sport and other activities – he is active in the Boy Scouts of America as well as his church, where he has held many voluntary roles designed to enhance the lives of others.

Bringing boundless curiosity to his work, David also collects rocks, fossils and petrified wood, and is an avid student of astrophysics and astronomy.

He considers his family his greatest accomplishment. He has been married to his wife, Robyn, for 34 years and has 4 children.