

Ansible Technologies Ltd.

"If We Don't Know It We Know Someone Who Does"



Aram Friedman, President of Ansible Technology, is known for his expertise as both a systems engineer of advanced display technology and as innovator of original tools and techniques used throughout the production process

As Director of Engineering of the Hayden Planetarium (1998-2002), Mr. Friedman was responsible for design and project management of the \$17 million Digital Dome under the auspices of Dr. James Sweitzer, radio astronomer and former Director of the Adler Planetarium in Chicago. This project set the standard for modern Planetariums worldwide. In addition to hardware and integration of the Hayden, Mr. Friedman played a key role in the development of original software unique to the dome environment, including real-time star rendering and graphics, flight path and show editing, theater automation and sound.

During his 25 years as part of the New York City engineering community, Mr. Friedman designed, built, and maintained many cutting edge facilities for the broadcast, film, video, computer graphics, and special effects industries. Of note are MSNBC, MTV Digital TV Lab, CBS News & Sports, Refinery, Manhattan Transfer, Editel, and Charlex. As Director of Engineering of R. Greenberg Associates, Mr. Friedman designed the first fully, digital effects facility in NYC - combining film, video, and computer graphics into a single domain.

Working with Academy Award winning effects directors Joel Hynek (*What Dreams May Come*), Douglas Trumbull (*Blade Runner*) and the team from Kleiser-Walczak, Mr. Friedman facilitated the transition from traditional opto-mechanical effects production to fully digital compositing, modeling, animation, motion capture, and pre-visualization. These innovations, developed originally for an attraction at the Luxor Hotel in Las Vegas, helped create and refine techniques used throughout the motion picture industry today.

In collaboration with documentary producer Smokey Forester, Mr. Friedman designed and built a high definition production facility and distribution network for the American Museum of Natural History; this eventually evolved into the Science Bulletins network.

As the Business Development Manager for Evans & Sutherland, Mr. Friedman traveled throughout the US, Mexico, and Europe demonstrating the concepts of real-time, 3D astronomy education. He has recently returned to private consulting (and his family) to pursue development of a low-cost micro dome designed to address the needs of K-12 education, university research, and real-time museum exhibition.