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U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
National Institutes of Health



National Institutes of Health Commercialization Assistance Program (NIH-CAP)

Company Overview

Industry Sector:

Training Simulation, Diagnostic Imaging, Drug Discovery, Telepresence
Geo-spatial Intelligence, Oil & Gas Exploration, Computer Aided Design

Company Overview:

Third Dimension Technologies, LLC has developed a unique auto-stereoscopic 3D projection display technology. The patented Angular Slice 3D (AS3D) technology is capable of dynamically displaying three-dimensional data and imagery without the need for special glasses, head gear or eye-tracking. Commercialization of the AS3D display technology is now underway.

Target Market(s):

Hospitals, Diagnostic Centers, Research Institutions, Military and Intelligence Agencies, Defense Contractors, Engineering and Architectural Design Firms, Oil & Gas Producers

Key Value Drivers

Technology*: Angular Slice 3D (AS3D) Display

- US Patent# 7,513,623 granted April 7, 2009
- US Patent# 8,075,138 granted December 13, 2011
- Foreign patents filed, additional US patents to be filed

Competitive Advantage: TDT's Angular Slice 3D Display technology does not require the use of special glasses, headgear, or eye tracking to produce brilliant, high resolution, dynamic 3D images. The AS3D technology provides both stereopsis (each eye is presented with a slightly different image) and motion parallax (move head to view from a different perspective and to see around foreground objects) to produce true 3D imagery as it appears in the real world. There are no dead zones, pseudo-scopis zones, visible artifacts or resolution limitations that plague existing auto-stereoscopic technologies. AS3D is scalable from desktop to theater size for broad market application.

Plan & Strategy: Seeking Strategic Partners to develop commercial products.

*Technology funded by the NIBIB and being commercialized under the NIH-CAP

Management

C. E. (Tommy) Thomas, Ph.D., Founder, President & CTO

- Inventor of Angular Slice 3D display technology.
- Co-founder of semiconductor equipment company nLine Corporation
- MIT Ph.D. Plasma Physics (Holography)

David Page, Ph.D., Chief Software Architect

- Former University of Tennessee Research Assistant Professor
- UT Ph.D. Electrical Engineering (3D Computer Vision)

Steve Kelley, Director of Software Engineering

- Former Vice President at Scientific Endeavors
- 25 years in software engineering.

Paul Jones, Director of Marketing, Business Development

- Co-founder of several equipment and medical services companies

Product Pipeline

