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IGI Technologies

Contact:
William Plishker

Location:
College Park, MD

Email:
will@igitechnologies.com

Tel:
202.713.9571

Website:
http://www.igitechnologies.com

Company Profile

Industry Sector: Medical Device/Software

Company Overview: IGI Technologies is a University of Maryland-based startup developing high-speed image registration solutions to clinicians. Medical images taken of the same patient but on different equipment (MR, US, CT, etc.) or at different times are difficult to overlay due to changes in the body from breathing, position, or morphology. We correct these misalignments automatically and live.

Target Market(s): Interventional Radiologists

Key Value Drivers

Technology*: We will offer a product (the IGT Station), which provides real-time overlay of preprocedural images with intraprocedural navigational images. The primary value proposition to interventional radiologists is the overlay of targets not visible on navigational images, reducing time of estimating their location.

Competitive Advantage: Our solution is fully automated, does not require contrast or drug administration, and does not require any new equipment to an already crowded procedure room.

Plan & Strategy: Direct sales, but we plan on partnering with an ablation company (e.g. Medtronic) or a maker of scanners (e.g. Philips).

Management

Leadership: Raj Shekhar, PhD, brings 20+ years of academic and commercial experience from Cleveland Clinical, Picar, & Ohio State. Two prior inventions led to commercial products at Philips and Volcano.
William Plishker, PhD, brings startup experience and application acceleration expertise from Hewlett Packard, Stretch, & Catalytic.

Scientific Advisory Board: Scott Peairs is a senior level sales and marketing experienced in the medical device and imaging diagnostic markets with startup and large company experience. Previously with of INTIO, Faxitron, & Covidien.

Product Pipeline

1. IGT Station for Biopsy: Biopsy needle visualization - multimodal fusion with no change to interventional workflow. Needle can be visualized with any preprocedural images.

2. IGIT Station for Ablation: Ablation visualization - same as for biopsy but with ablation envelop tracking for real-time treatment tracking on pre-procedure images.