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BUSINESS SUMMARY

KA Imaging has designed and developed a portable, large area, multi-spectral X-ray detector that enables bone and tissue differentiation, a key advantage over current solutions. Our detectors are retrofittable for easy installs and upgrades. Fundamentally, our technology has changed X-ray imaging, which allows for unprecedented soft tissue contrast at the low dose and price point of conventional digital X-ray.

PROBLEM

Research has shown that over 2 billion X-ray procedures are carried out annually making X-ray a gold standard for common medical diagnostics. The key challenge with X-ray is limited tissue differentiation. This makes soft tissue visualization challenging due to the overlying bone e.g. for lung cancers, tuberculosis, and pneumothorax where X-ray often requires a follow-up CAT scan. The problem is CAT scans are not ideal because of significantly larger radiation to the patient, slower workflows and much higher lifetime ownership cost.

SOLUTION

Just like your eye sees 3 colors and creates a world of amazing color, KA Imaging's detector can "see" different X-ray energy levels, which enables better soft tissue visualization by enabling the subtraction of bone and other unwanted materials. The KA Imaging detector is a direct replacement for conventional X-ray detectors and offers a powerful retrofit upgrade for fixed and mobile X-ray systems.

MARKET OPPORTUNITY

We have identified multiple markets exceeding \$2B USD, including healthcare, security, industrial imaging, and veterinary imaging that will use our standard x-ray product.

COMPETITIVE ADVANTAGE

- ✓ Enables material differentiation (e.g. soft tissue/bone, explosive/metal, corrosion/metal)
- ✓ Images acquired in a single exposure with zero motion artifact
- ✓ Portable & retrofittable
- ✓ High resolution, low dose
- ✓ Protected by a portfolio with 22 unique patents, 17 of which have issued in the USA.
- ✓ Base technology licensed from the University of Waterloo with over \$5M in government R&D funding over the past 10 years

COMPANY OVERVIEW

CONTACT

Amol Karnick, President & CEO
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YEAR ESTABLISHED

2015

NO. OF EMPLOYEES

30

MANAGEMENT TEAM

Amol Karnick, CEO
Dr. Karim S. Karim, CTO

CURRENT INVESTORS

Strategic Investors, Grants and Angel Investors

MILESTONES

Milestones already accomplished:

- Q2-2016: First 2in Prototype of new Light sensor technology
- Q4-2016: First 12in Prototype of new light sensor
- Q4-2017: First Multi-energy/Color images
- Q4-2018: Started 30 Patient Trial for Lung Cancer
- Q2-2020: FDA Submission
- Q2-2020: Commercial launch in Vet and NDT
- Q3-2020: FDA Clearance
- Q3-2020: Started 600 Patient Trial for Covid-19 Pneumonia
- Q3-2020: Health Canada Medical Device Licence