

ZECOTEK

TSX VENTURE: ZMS
FRANKFURT: W11

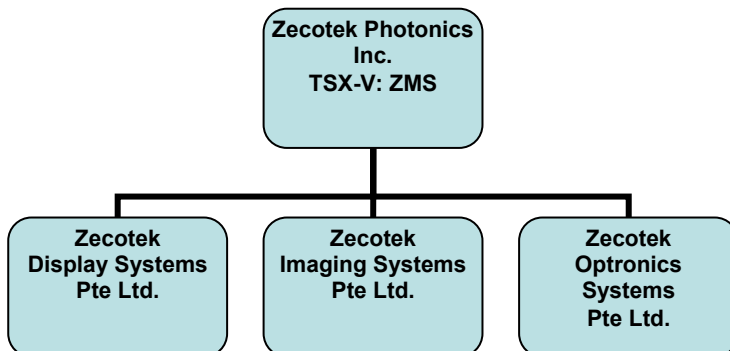
CORPORATE PROFILE
DECEMBER 2016

Zecotek Photonics Inc. (TSX-V: ZMS; Frankfurt: W11, OTCPK: ZMSPF) is a photonics technology company developing scintillation crystals, solid-state photo detectors, positron emission tomography scanning components, lasers, and 3D display and 3D printing technologies for applications in healthcare, scientific and industrial sectors. Founded in 2004, it has with three operating divisions: Imaging Systems, Optronics Systems and 3D Display Systems with labs located in Canada, Korea, Russia, Singapore and U.S.A. Management has focused on building a strong intellectual property portfolio by developing unique technologies for commercial applications in targeted markets and industries. With over 50 patented and patent pending novel photonic technologies, Zecotek commercializes technologies directly and through strategic alliances with leading industry partners including: Hamamatsu Photonics (Japan), the European Organization for Nuclear Research (Switzerland), Beijing Opto-Electronics Technology Co. Ltd. (China), NuCare Medical Systems (South Korea), University of Washington (United States), LT-Prykal (Armenia) and National NanoFab Center (South Korea).

INVESTMENT HIGHLIGHTS

- A portfolio of **patent-protected and proprietary photonics technologies** in technically challenging and high growth areas.
- Photonics technologies being **used by major institutions and corporations**, poised to disrupt existing technologies in multi-billion dollar markets.
- **World class strategic partnerships** with industry leaders including **Hamamatsu Photonics**, the European Organization for Nuclear Research (**CERN**) and **Intellectual Ventures**.
- A dedicated and highly **experienced management team** led by Company Founder, Dr. Faouzi Zerrouk.

CORPORATE STRUCTURE



ZECOTEK PHOTONICS INC.

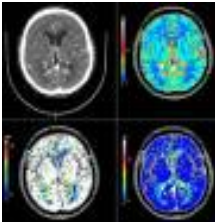
TSX Venture Exchange:	ZMS
Frankfurt	W11
OTCPK:	ZMSPF
Outstanding Shares:	127.1 million
Fully Diluted:	174.4 million
Corporate Headquarters:	Vancouver, BC
Operational Headquarters:	Singapore
52-Week High/Low:	\$0.39/\$0.23
Recent Share Price:	\$0.25
(as at 1-Dec-16)	

BUSINESS STRATEGY

- **Develop, acquire and license** key photonics technologies for the imaging, laser and 3D display markets.
- **Protect patents** and intellectual property and litigate where and when necessary.
- **Commercialize** crystals, photo detectors and other value-added components, systems and sub-systems directly or through licenses, joint ventures and strategic alliances.
- **Maximize shareholder value** through the sale of key technologies and/or operating divisions.

KEY PATENTS & TECHNOLOGIES

IMAGING SYSTEMS



Zecotek has three key patent protected and proprietary imaging technologies with the potential to revolutionize the US\$15 billion medical diagnostics industry:

1. **LFS scintillation crystals,**
2. **Solid-state MAPD photo detectors and transistors,**
3. **Integrated detector modules (IDM).**

Zecotek's LFS scintillation crystals and solid-state MAPD photo detectors offer significant cost and performance advantages over existing imaging technologies in the fields of high energy physics and medical diagnostics. The IDM is a patent pending layered structure made of three principle components: an array of LFS scintillation crystals, an array of MAPD solid-state photo detectors, and a readout system. It is a cost effective and scalable design, ideal for new positron emission tomography scanner configurations and various types of gamma cameras.

3D TECHNOLOGIES: 3D DISPLAY & 3D PRINTING



Zecotek's patented **3D Display technology** represents a new generation of glasses-free 3D displays. A patented data processing module provides for real time capability, with a system capable of transferring data for up to ninety views in full high definition. Eliminating the need for ALP (*accessory light modulator package*) boards, allows for significantly cheaper, more compact and commercially viable displays. The system also includes a 3D image compression for data interface, and a new application interface to allow direct transfer of data from existing programs such as AutoCAD, directly supporting Zecotek's new 3D printers and 3D printer interfaces.

Zecotek is developing a compact, **high-speed 3D printer** which will use high-performance metal alloys and offers technical and commercial advantages over competing technologies. The new 3D printer is targeted for prototyping and distributed manufacturing with specific applications in electronics, aerospace, automotive, mechanical and healthcare industries.

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WORLD CLASS STRATEGIC PARTNERS

- **Hamamatsu Photonics, Japan:** world-leading developer and manufacturer of opto-electronic components and systems.
- **CERN, Switzerland:** one of the world's most respected centres for scientific research; home to the Large Hadron Collider.
- **Beijing Opto-Electronics Technology Co., China:** contract manufacture of the LFS scintillation crystal.
- **LT-Pyrkal, Armenia:** long time contract partner for patented 3D display systems and 3D printing solutions.
- **Nucare Ltd., South Korea:** manufacture of DAQ boards and modular arrays based on MAPD + LFS + Read out Electronics.
- **University of Washington, USA:** PET and PET/MRI program owned and funded by Zecotek since 2003.
- **Intellectual Ventures, USA:** one of the largest owners of U.S. patents, who works closely with inventors to develop and protect intellectual properties.

RECENT NEWS

October 20, 2016

Shanghai Creation Investment Mgmt. Co. to raise US\$5million

October 13, 2016

Chinese OEM orders LFS crystals for third PET medical scanning unit

October 10, 2016

2016 sales orders = \$2.1 million

October 4, 2016

2016 preliminary revenue = \$1.5 million

September 20, 2016

Selling imaging products in Israel

August 15, 2016

LFS crystals to be used for silo and container measurement

July 28, 2016

Chinese OEM orders LFS crystals for second unit

July 12, 2016

UC Davis orders additional LFS crystals

June 30, 2016

Another order for radiation safety and homeland security

CORPORATE HEADQUARTERS

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