

OSi Corporate Summary – 2007

For nearly twenty-five years, Optical Scientific Inc. (**OSi**) has been a leader in demonstrating the many benefits of automated environmental sensors. In fact, **OSi's** name has become synonymous with advanced environmental instruments that open a new avenue to twenty-first century technologies.

OSi's instruments and systems work reliably for unattended field operations - 24 hours a day, 7 days a week - and often in critical areas such as in airports, along highways and railroads, on top of the stacks, on data buoys in the middle of oceans, and even in the Antarctic. To support the manufacturing of advanced products, **OSi** is aggressively marketing to the world. **OSi** has customers from US, Europe, Asia, Africa, South America, to Australia. **OSi** is continually on the alert and ready to respond to requirements and changes - carefully developing and nurturing relationship that will carry the business into the new millennium.

Through the capabilities of our technical staff, **OSi** has demonstrated expertise in product development and manufacture. **OSi** developed optical scintillation technology for the automatic identification of different type of weather and the measurement of atmospheric turbulence intensity and crosswind. This development has established **OSi** as a leader in developing and manufacturing advanced sensors for automated environment, transportation, and industrial systems.

OSi's staff members work closely with customers to meet customers' special needs. The keys to customer satisfaction are reliability, high performance, reasonable price, on schedule delivery, and rapid responsiveness. **OSi** maintains an after sale marketing and engineering group to follow up and monitor the performance and application of its products. Based on the feedback from the customers, **OSi** continues to improve product performances and customer satisfaction. A gratifying record of repeat business provides the best evidence that **OSi** customers also recognize our outstanding efforts.

OSi advertises in selected trade journals in order to make the potential users aware of **OSi's** presence. In addition, attendance at domestic and international trade shows enables **OSi** marketing personnel to keep **OSi** in touch with potential customers to improve user awareness of **OSi** and to help **OSi** in touch with the market's needs. **OSi** also maintains an internet presence with web sites (www.opticalscientific.com) for easy access to our company and product information.

Products

OSi is currently manufacturing and marketing the following products.

Weather Sensors

- Light Emitting Diode Weather Identifier (LEDWI)
- Weather Identifier and Visibility Sensor (WIVIS)
- Optical Weather Identifier (OWI)
- Digital Signal Processor-based WIVIS (DSP-WIVIS)
- Visibility Sensor (VIS)
- Optical Rain Gauge (ORG)
- Hail and Ice Pellet Sensor (HIPS)
- Enhanced Precipitation Identification Sensors (EPI)
- Airport Wake Vortex Sensor (WVS)
- Integrated Roadway Information System (IRIS)

Environmental Sensor

- Long Baseline Optical Anemometer (LOA)
- Optical Flow Sensor (OFS)
- Continuous Emission Monitoring System (CEMS)
- Wind Profiler for Homeland Security (WPHS)

Technology

OSi has a very successful history of research and development (R&D) in remote sensing, communications, opto-electronic instrumentation, and related fields. Our technical staff has a broad blend and outstanding depth of experience in physics, electronics, meteorology, optics, RF/microwave, computer science, and communication technology, and is supported by modern laboratory equipment and facilities. Specific fields of expertise include:

- Environmental Instruments Using Opto-electronics Technology
- Optical Remote Sensing Technologies
- Satellite Communication Technology
- Microwave Technology
- Wireless Optical Communication Technology

Patents, Trademarks, Copyrights, and Certificates

OSi's technologies and sensors are protected by many patents awarded from United States and foreign countries. Additional patents are pending in US, Canada, Japan, and China. **OSi** has registered many trademarks in US and abroad. **OSi's** computer programs and software are protected under copyright laws of the US and by the provision of various licenses. Publications of **OSi** are similarly protected. **OSi's** Quality Assurance and Quality Control (QA/QC) program is currently certified and meets all the requirements of **ISO 9001**. **OSi's** products are **UL, CSA, CE** certified.