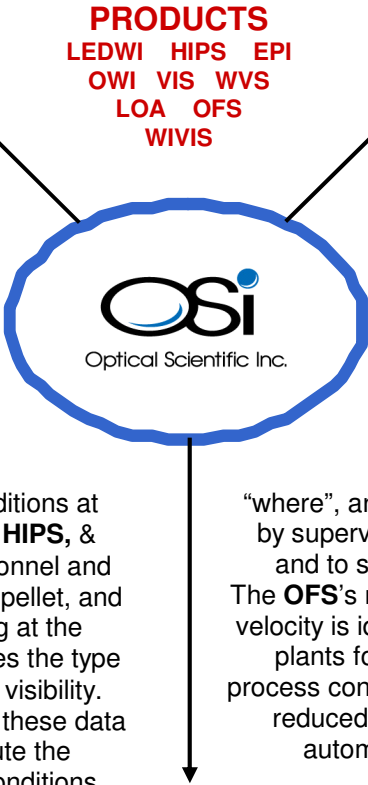


OSI Vision - New Millennium

For nearly twenty 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 smoke stacks, on data buoys in the middle of oceans, and even in the Antarctic. **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.

Promoting Safety

Many weather-related fatalities are preventable with technologies and sensors developed by **OSI**. Federal laws have mandated strict safety standards for vehicles and aircraft and for the physical infrastructure in which they travel. But, enabling drivers and pilots to better anticipate and respond to hazardous weather conditions can make transportation even safer. **OSI's** sensors, operating in all 50 states of the US and worldwide, provide accurate, real-time measurement of diverse weather conditions at airports and along roadways. **LEDWI, HIPS, & EPI** sensors tell air traffic control personnel and pilots the type (rain, drizzle, snow, ice pellet, and hail) and amount of precipitation falling at the airport. Along roadways, **OWI** identifies the type of precipitation and **VIS** measures the visibility. Traffic managers and road crews use these data to control driving speed limit and reroute the traffic pattern in hazardous weather conditions.



Increasing Efficiency

Limited operating budgets and scarce resources are a reality that must be considered in today's world. Along airport runways, **WVS** measures the wake vortex generated by jumbo airplanes during takeoff and landing, and increase the throughput of existing runways, reducing the need for expansion. Highway snow removal crews are often inefficient because of the lack of information on where and when to do their job. **WIVIS** provides the critical "when", "where", and "how much" information needed by supervisors to deploy salt trucks and plows, and to schedule crews to clear snow and ice. The **OFS's** non-contact measurement of the flow velocity is ideal for applications in manufacturing plants for emissions monitoring and accurate process control for increased plant efficiency and reduced operating cost. The **OFS** will provide automated continuous measurements with minimum maintenance.

Monitoring the Environment

With increasing concern of general public on environmental monitoring, remote sensors manufactured by **OSI** are helping customers monitor the environment and solve these pressing problems. As part of EPA Clean Air Act compliance, the **LOA** measures the effluent velocities in primary aluminum smelting plants and **OFS** monitors the flow rate and opacity of power plants stacks. **LOA** measures both crosswind and turbulence that are critical to predict the source location and the airborne dispersion path of a chemical, biological or radioactive release during terrorist attacks and accidental spills.

