

## WANT EFFECTIVE COST AND RISK MANAGEMENT? NSF-ISR CAN HELP.

NSF International Strategic Registrations (NSF-ISR) offers solutions to help our customers grow and innovate in their industry sectors. Palm Bay Utilities Department (PBUD) Environmental Management System (EMS) was the first water and wastewater utility in the state of Florida to receive certification under the ISO 14001:2004 EMS standard. As a result of the EMS, the department achieved a 31 percent reduction in energy use for its water treatment plants from 2007 through 2010. The utility was recognized with a number of awards, including the Association of Metropolitan Water Agencies (AMWA) Gold Award for exceptional utility performance.

### Other benefits PBUD experienced include:

**Cost Savings.** With a management system commitment to continual improvement, operating expenses have maintained an average fiscal year savings of 9 percent since certification. This savings easily offsets the cost of EMS implementation.



**Reduced Liability.** Through an EMS protocol to identify environmental aspects and associated risk, the utility used its EMS to reduce environmental and associated business risks.

Within a year of certification, Standard & Poor's raised PBUD's bond rating to an 'A' based on reduced risks. The higher bond rating enables the utility to borrow money at lower interest rates and stabilize customer costs while maintaining service levels.

NSF-ISR partnered with PBUD to conduct an ISO audit and identify areas for improvement. NSF-ISR's expertise in quality and EMS enables us to focus on a variety of industries with confidence. Our diverse auditor base compliments our technical expertise, providing the total solution your organization requires.

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## CASE STUDY: THE FASTEST, EASIEST, MOST ACCURATE WAY TO COMPARE A PART TO A CAD FILE



Using the VisionGauge® Digital Optical Comparator (Patent Pending), a major orthopedic and medical device manufacturer increased inspection accuracy and throughput, eliminated operator subjectivity, freed up floor space and was able to start recording complete product documentation and device history.

A major orthopedic and medical device manufacturer implemented the VisionGauge® Digital Optical Comparator and achieved significant improvements on many different fronts:

- **No more overlays:** VisionGauge® works directly with the CAD data and completely eliminates all of the problems having to do with the production, storage and management of overlays.

- **Increase accuracy:** VisionGauge® is a very high resolution software-based system that works directly with the CAD data. It is much more accurate than traditional optical comparators.
- **Eliminate operator subjectivity:** with VisionGauge®'s Auto Pass / Fail tool, there is no more operator subjectivity!
- **Increase throughput:** VisionGauge® can be setup so that it automatically pulls up the correct overlay when the operator scans in the part's barcode. Also, part changeover and part settings recall can be done with a single mouse click. This represents a huge time savings!
- **Inspect parts beyond the optical field of view:** with VisionGauge®, the CAD overlay "tracks the part" when you move the stage. This allows you to compare parts to their CAD data across the entire stage travel, as opposed to just within the optical field-of-view as is the case with traditional optical comparators.
- **Improved documentation:** the VisionGauge® can be used to capture complete time/date stamped product documentation and device history.
- **Less floor space and portable:** VisionGauge® is much smaller than traditional optical comparators and can be moved without requiring re-calibration.
- **Ease of use:** operators can quickly and easily transition over to VisionGauge®.



**VISIONx INC.**

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