

## SKY-TRAX SYSTEM™

*Indoor vehicle and inventory tracking*



### The Sky-Trax System

The Sky-Trax System (Patent Pending) tracks the movement of vehicles such as lift trucks inside factories and warehouses. STS automatically determines vehicle position with great accuracy and provides real-time position data to the driver. It can record precise location data for the movement of goods within a bulk storage area and guide the driver to the next pick-up or put-away spot. The system captures and displays the location of all vehicles, aiding managers, warehouse operators and/or computer systems such as warehouse management systems.

### Sky-Trax IPS Technology™

Sky-Trax STS™ works like a GPS, but unlike GPS, it works reliably indoors. Sky-Trax technology is based on optical components instead of radio wave technology so the system is immune to radio interference and not affected by building construction materials or contents.

The end result of such a system is one that is extremely precise, practical, and constantly feeding you the data you need.

### Key Features

Sky-Trax offers many advantages over RFID and GPS based RTLS systems.

- ✓ Track vehicles & keep permanent records of paths traveled, distance, etc.
- ✓ Track goods-accurately determine & record storage locations
- ✓ Monitor forklift truck activity-measure efficiency, number of loads carried, etc.
- ✓ Measure productivity & vehicle /driver efficiency
- ✓ Prevent accidents

### Sky-Trax System Components

- ✓ Optical Position Sensor
- ✓ Optical Position Marker
- ✓ Wireless Link
- ✓ IPS Engine



### How It Works

The OPS™ Smart Sensor is aimed at the ceiling and captures digital images of overhead position markers(OPMs). Contemporary machine vision software decodes the image to recognize location and calculates the orientation angle and exact position of the OPS™.

A wireless link transmits OPS data to the STS Controller which collects location data from all OPS sensors. The Controller stores data in a standard database and makes it available in real-time for high value applications.

STS provides the capability of GPS and more. Rotational orientation, inch-accurate location, direction of travel, and velocity are available. And of course, STS works indoors where GPS is unreliable.

### Find Out More

Contact Barcoding Inc. for more information and a customized quote for this innovative approach to inventory management - 888.860.7226.



### The Big 3 Benefits

1. Know where all your trucks and drivers are
2. Know where all your pallets are
3. Automate all data collection

### Awards

MP 2008 Supply Chain Innovation Award Finalist (2nd Place)

Endeavors Award (Australia) 2008

Ben Franklin Emerging Business Award, Most Innovative New Product 2007, Finalist

Modern Material Handling 2007 Most Innovative New Product, Honorable Mention

### Barcoding Incorporated

Barcoding Inc., an Inc. 5000 and Deloitte Fast 50 company, specializes in deploying and managing enterprise-wide mobility solutions. This is accomplished through streamlining operations and enhancing data collection and wireless communication systems. Barcoding's products and capabilities range from barcode and RFID data collection devices to wireless local area and wide area network integration.

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