



## Asset Management - Yard & Vehicle

# On-demand visibility for yard and vehicle asset management

### Solution Benefits:

- On-demand visibility enables more efficient and effective management of vehicles, equipment and personnel
- Equipment and vehicles are automatically tracked as they move in, out and around the yard
- Easy to deploy and use; integrates with existing applications and networks
- Designed for the most demanding outdoor environments
- Tags can be read at distances in excess of 300 and at high speeds
- Tags feature on-board memory for storing and accessing asset history/usage directly on the tag

The Intelleflex Yard Management solution provides on-demand visibility for managing vehicles, equipment and personnel. With Intelleflex XC3 Technology™, you can easily and cost-effectively track the movement and location of assets and people within the yard, and control outgoing and incoming assets at the gate. The result is that you can more efficiently and effectively manage your expensive and valuable business assets and improve operational efficiency and control.

### The Need for On-Demand Visibility

The lack of real-time visibility and inaccurate accounting of equipment inventory is a leading cause of lost revenue. During peak times, equipment leaving or returning to the yard is often not properly accounted for, resulting in the need for time consuming visual surveys to update inventory. This not only increases the time it takes to fill customer orders, but also results in lost revenue and opportunity costs due to underutilization of the assets.

### The Challenges

Vehicle and equipment yards often span acres and lack clear lines of site making it difficult to visually determine where specific vehicles and equipment are located—even if you have an accurate inventory system. To optimize yard management, beyond simply knowing that an asset is in the yard, it's important to be able to quickly determine precisely where the asset is located at any given time.

Manual check-in processes can lead to errors and delays in accounting for vehicles and equipment, especially during peak times when vehicle backlogs often occur. Some vehicles might be missed altogether and vehicle or driver IDs can be logged incorrectly leading to error-prone decision making.

Matching the appropriate personnel to each vehicle is also important. Whether for security reasons or to ensure proper deliveries, ensuring that the right driver is associated with the correct vehicle is essential for effective yard management, and customer service and delivery.

An additional consequence of inaccurate accounting of yard equipment is that it can result in unnecessary purchases. Not knowing if something is lost in the yard, stolen or still at a customer site can quickly add up to thousands of dollars or more off of your bottom line.

The key to profitability is maximizing the usage rate of each piece of equipment. Underutilized assets incur real expenses or opportunity costs for any company. Being unsure of how often a piece of equipment is used can result in second guessing the true value to the business.

### The Solution

The Intellex Solution for Yard Management is a complete package for tracking your yard assets including trucks, trailers, cars and heavy equipment. Intellex combines the power of our Extended Capability RFID system with your existing assets and systems to provide an integrated solution for real-time visibility that improves decision making and asset utilization.

Equipment and vehicles with Intellex RFID tags are automatically tracked as they move in, out and around the yard. Intellex easily deployed readers and antennas, located at key entry and exit points, as well as locations throughout the yard, provide instant visibility for each asset's location. In addition, Intellex badge tags track driver movements and provides accurate associations for both driver and vehicle.

Intellex Extended Capability RFID™ solutions are designed for the most demanding outdoor environments. Tags can be automatically and reliably be read at distances in excess of 300 feet and are built to withstand outdoor temperatures, moisture and dust conditions. Tags can be effectively utilized in RF unfriendly conditions involving metals and liquids that are beyond the capabilities of passive RFID. Intellex tags feature on-board memory, enabling you to store and easily access a complete history of the asset (such as life, usage rate, repairs, etc.) directly on the tag.

Our solutions are designed to integrate with your existing applications and networks, or be used standalone without the need for complex backend systems. Flexible application options make it simple for your yard and office personnel to use the system.

### XC3 Technology

Intellex solutions are enabled by Intellex XC3 Technology, allowing us to deliver the capability of active RFID-based solutions at a fraction of the cost.

- Based on ISO C3 and EPCglobal C1G2 standards for battery assisted passive RFID
- Deliver read ranges in excess of 300 feet/100 meters
- Read tags and monitor conditions such as temperature inside containers and pallets
- Operate seamlessly in RF unfriendly environments involving metals and liquids
- Tags include on-board memory for tracking and storing information about the asset or product with multiple levels of security
- Intellex offers handheld and fixed readers, multiple form factor tags and antennas, as well as starter kits for piloting projects

### Intellex Products Related to this Solution

- Fixed and handheld readers and antennas
- Standard, metal and extended temperature tags

### For More Information

To learn more please visit our website or contact us directly. We look forward to hearing from you.

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