Runway Incursion Prevention System
based on GPS and ADS-B technology

- Automatically plots vehicle in the correct zone
- Overrides drivers if they try to plot in wrong area
- Allows fair and fast job distribution
- Gets each car to the task faster
- Reduced costs for maintenance, repair and operation
- Optimize availability and productivity
- Lower total cost of ownership
- Extended asset life cycles
- Improved Facts-based decision making
- Enhanced safety and security
- Added revenue for non-standard services
Marshalling, Push Back, Towing Aircraft, Fuelling, Ground Power Supply, De-Icing, Cooling/Heating, Catering or Loading—are some of many activities at any major airports. The airside management requires a precise monitoring of all these movements. This information is both used by GHA and Airport Authorities and requires an extensive and sophisticated procedures.

We have simplified this online information deploying modern technology of Positioning system combined with communication technology.

We integrate REAL TIME information of aircraft positioning and Vehicle information positioning thanks to Data UHF Radio communication and GPRS/GPS ADS-B technology.

From the *Ground controller* point of view the runway incursion by service vehicles are a major concern. This simplified Radar looking visualize prevents any incursion. Giving both the person on airside and the controller a warning before a possible accident could occur.

Replacing data communication rather than voice communication

Airport Billing and Ramp movement report

Ramp and Parking Management

Real-Time Notifications and Alerts

A single screen overview of the complete apron area showing all mobile assets and their respective location and statuses.

Visualization of all processes on the map of the airport ramp offers the benefit of graphic representation of each individual ground handling process, either in real-time or replay mode in case of historical events.

The benefits are numerous but can be divided into major categories of increase in safety and efficiency.
On Ground handling owner benefits are:

- Make the most efficient use of assets, real-time localization of the closest available equipment.
- A Maintenance advantage for equipments by changeover from calendar based to engine hour based maintenance.
- Speed up the process of call taking.
- Ensure accuracy of work.
- Improves efficiency.
- Helps to provide a professional service.
- Reduce staffing costs
- Efficient communication between the allocators and employees on the ramp.
- Based on a touch screen display installed inside the driver’s cabin and linked to operators office
- use of handheld devices/PDAs is more suitable in other parts of the ramp operation – Travsys offers both option