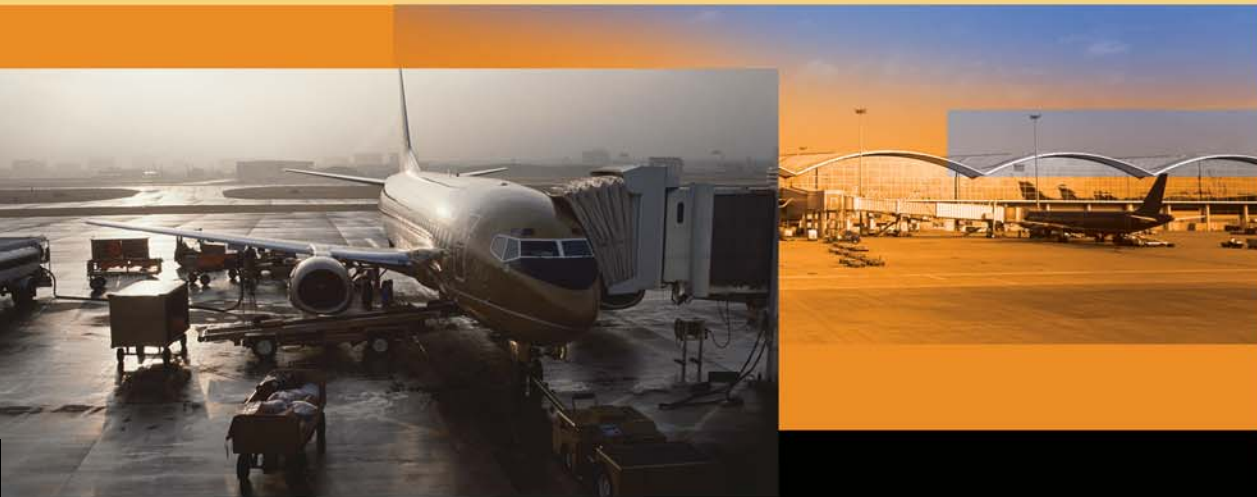




AvRamp™ Wireless Management System for Aircraft Ground Support Equipment

AvRamp™ is the most powerful, flexible choice for wireless management of aircraft ground support vehicles and the people who operate them. It improves service, safety and security, maximizes productivity, and reduces operating costs for airports, airlines, and ground handlers.



AvRamp™



Access Control



Safety Checklists



Impact Sensing



Detailed Reporting



Real-time Location



Text Dispatch



Airport Integration

AvRamp: for the highest return on investment from your fleet of ground support equipment

AvRamp is a wireless asset management system that controls, tracks, and directs the activity of aircraft ground support equipment (GSE) and operators. The system is based on I.D. Systems' patented technology, which has been deployed on over 20,000 vehicles worldwide, for many of the world's most prominent manufacturers and retailers. AvRamp combines the most comprehensive automated tools for GSE management with the most powerful, flexible wireless options available—including WiFree™ communications for unlimited data transmissions without any ongoing communication fees.

AvRamp Highlights

- Total asset visibility & accountability
- Improved productivity
- Enhanced safety & security
- Reduced operating costs
- Flexible, cost-effective wireless communications
- Rapid return on investment



Features

- RFID or Touch-Key/PIN driver log-in to control and monitor access to all vehicles (with turn-off function for specific vehicle groups, e.g. GPU)
- Shock detection and recording with real-time alerting, automated threshold setting of shock sensor, and automated system responses
- Geographical localization & movement recording of all GSE with 5 second refresh, plus "snail trail" playback & "geo-fencing" security features
- Historical recording of movement logs (vehicles & drivers), unlimited offline analysis, and automated report generation & email transmission
- Real-time recording of drive hours and multiple vehicle-specific auxiliary data monitoring points (oil pressure, temperature, lift load, fuel level, battery voltage, etc.)
- Two-directional text messaging/dispatch between vehicles and operations center, with automated task assignment capabilities
- Electronic checklists for health and safety regulatory compliance
- Client/server & web-based software engineered for multi-stakeholder environments
- Modular system architecture for flexible configuration to integrate seamlessly with existing management systems, such as airport, airline and ground handling planning software

Benefits

With a unique combination of intelligent vehicle control, real-time visibility, directed workforce management, best-of-breed software, and flexible wireless communications, including I.D. Systems' exclusive WiFree communications option for unlimited, no-cost data transmissions, AvRamp provides many quantitative and qualitative benefits for GSE fleet owners and operators:

- Total GSE asset visibility and accountability
- Improved workforce productivity
- Reduced fleet capital and operating costs
- Added layer of security on the ramp—a last line of defense against unauthorized access to aircraft
- Minimized number of vehicles needed on the ramp, to reduce congestion and risk of accidents
- Improved driving behavior and less damage caused by GSE
- Directed task assignments for optimal resource management and reduced flight delays—regardless of schedule changes
- Flexible, cost-effective wireless communications
- Rapid return on investment





Reap the benefits of wireless GSE management

AvRamp optimizes airport ground handling operations in five key functional areas: visibility, accountability, safety, security, and maintenance.

Visibility

With other systems, you only know if GSE operators worked. But with AvRamp, you know who, when, where, and how much they worked. By providing asset accountability and real-time visibility, AvRamp reveals optimal performance metrics for vehicles and operators. Our point-in-time graphs, for example, show unique views of simultaneous asset utilization. And AvRamp software, designed specifically for the multi-stakeholder airport environment, enables all users to achieve custom-tailored asset views.

Accountability

AvRamp features state-of-the-art, intelligent GSE access control that's independent on each vehicle yet maintained remotely by wireless technology. Access is tightly restricted by operator training and operational function, but highly flexible to meet all management needs. Operators and vehicles can even be regrouped for historic "what if" scenarios to help optimize workforce task resourcing and benchmarking. And damage caused by GSE can be linked to actual impact events recorded by the system.

Safety

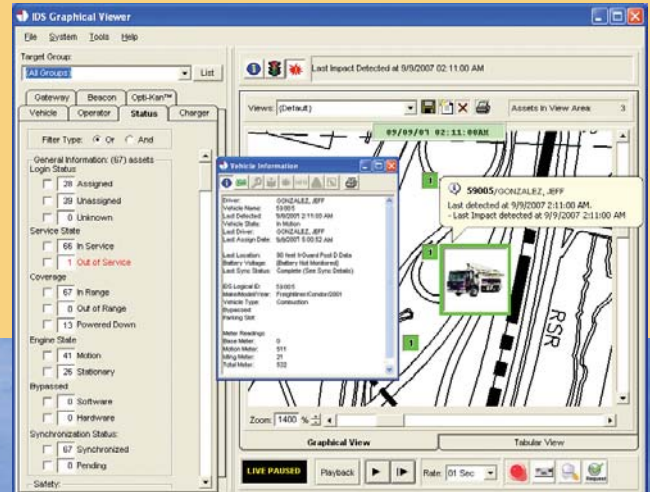
With AvRamp, only authorized, trained GSE operators can start and drive vehicles. Plus, an onboard, electronic safety checklist automates the reporting and tracking of vehicle inspection problems, thereby satisfying government health and safety requirements. Checklist responses have severity levels that trigger configurable, automated system responses, like on-vehicle visible or audible alarms, mandatory supervisor intervention, system-wide email alerts, or even automatic vehicle shut-down and lock-out.

Security

Beyond intelligent, secure access control, AvRamp has geo-fencing and remote shut-down capabilities to restrict the unauthorized or improper use of GSE. The system allows users to define invisible geographic barriers that trigger a security alert or disable equipment when crossed. Remote shutdown can be performed by authorized software users via the AvRamp Management Console.

Maintenance

AvRamp enables GSE periodic maintenance to be based on actual vehicle use (motion/idling), which has been shown to reduce costs up to 35% compared to maintenance based on hour meters (which vary by vehicle) or calendar time (the least efficient method). Vehicle checklists provide mechanics with automatic, real-time visibility of emerging problems to help prioritize their tasks. And with real-time location tracking, AvRamp lets mechanics easily pinpoint and lock out vehicles overdue for maintenance.



TSA Tested. FAA Approved. Standards-Compliant. And a History of Success.

AvRamp is the culmination of a joint investment by the U.S. Transportation Security Administration (TSA) and system developer I.D. Systems, Inc. It is the only wireless equipment management system fully tested by the TSA and approved for use at U.S. airports by the Federal Aviation Administration.

The system is also fully compliant with regulatory requirements, including FCC, UL, CSA, CE, ETSI, and ROHS.

I.D. Systems' wireless technology has been well proven by leading international corporations and government agencies, including Alcoa, British Airways, Chrysler, Deere & Co., Ford Motor Company, Newark Liberty International Airport, the U.S. Postal Service, the U.S. Transportation Security Administration, and many others.

About I.D. Systems

I.D. Systems, Inc. (NASDAQ: IDSY) is a leading provider of wireless solutions for securing, tracking, and managing high-value enterprise assets. These assets include industrial vehicles, such as forklifts and aircraft ground support equipment, and the people who operate them. The company's patented wireless system, which utilizes radio frequency identification, or RFID, technology, addresses the needs of organizations to control track, monitor, and analyze their assets.

I.D. Systems has been recognized as New Jersey's "Technology Company of the Year" and as one of the "Fast 500" fastest-growing technology firms in America.

For more information, visit www.id-systems.com.



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Expanding the range of wireless solutions



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