



AvRamp Airport Ground Support Equipment Management

With WiFree communications

AvRamp™ vehicle management of ground support equipment and operators is the only solution that improves service, safety, and security while maximizing productivity and reducing costs for both airports and airlines.



AvRamp™
with WiFree™ communications



Flight Information



Workflow



Vehicle Information



Scan Item



Reports



Messaging



Emergency Contacts

AvRamp: The highest ROI from your ground support equipment

AvRamp is a wireless asset management system that controls, tracks and directs the activity of aircraft ground support equipment (GSE) and the people who operate it. The system is based on I.D. Systems' patented technology deployed on over 20,000 vehicles for many of the world's most prominent manufacturers and retailers. AvRamp provides comprehensive tools for managing aircraft GSE, including access control, impact sensing, directed task assignments, and real-time location tracking — all with NO ongoing wireless data communications fees.

With a unique combination of intelligent vehicle control, real-time asset visibility, directed workforce management, and no-cost, WiFree™ wireless communications, AvRamp provides:

- Reduce capital and operating costs of ground support equipment
- Minimize the ground support equipment needed in the airport operations area
- Reduce damage caused by ground support equipment
- Provide a valuable security layer on the ramp
- Minimize flight delays by ensuring equipment is in the right place at the right time — regardless of flight schedule changes

Key Benefits

- Improved security
- Enhanced safety
- Reduced maintenance costs
- Total visibility & accountability
- No-cost communications
- Rapid return on investment



WiFree: Unlimited, cost-free wireless communications

AvRamp is the only airport asset management system that communicates an unlimited amount of wireless information between mobile equipment and management computers with zero ongoing radio frequency communication fees. This capability — called WiFree communications — gives AvRamp a cost advantage over competing systems that use cellular, subscription-based, mobile data services, like GPRS, or a licensed band in the radio frequency spectrum. In addition, the WiFree system has a longer transmission range than standard 802.11 wireless local area networks and is designed not to interfere with other wireless systems. Unlike open 802.11 wireless networks, the WiFree system has a high level of inherent security — a key attribute that enabled its deployment at U.S. Navy and naval contractor facilities after undergoing a network security accreditation and certification process.



Reap the benefits of low-cost, wireless GSE management

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

Visibility

With other systems, you only know whether a GSE driver worked. But with AvRamp, you know who, when, where, and how much they worked. We offer point-in-time graphs that show simultaneous fleet-wide and group utilization. Performance measures for vehicles and indirect labor (operators) can be determined through enforced accountability and system visibility. AvRamp multi-stakeholder software also enables individual asset visibility.

Accountability

Remotely maintained access control restricts GSE vehicle use. Operators and vehicles are assigned to functional groups and these groups are then authorized. Managers can allocate assets and ensure GSE vehicles are assigned to the proper gates, terminals, etc. Operators and vehicles can be regrouped for historic “what if” scenarios to improve work task resourcing and benchmarking. GSE facility damage and accidents also can be linked to actual impact events.

Safety

With AvRamp, only authorized trained operators can start GSE. An onboard pre-trip safety checklist allows the operator to report on safety issues. Safety responses have severity levels: normal, warning, and critical. A critical response can cause the vehicle to shutdown and lockdown until a maintenance or master user arrives.

Maintenance

Preventative maintenance (PM) can now be planned based on actual vehicle use (motion, idling), which represents more accurate vehicle wear and tear than on key time or time since last PM. Client studies have shown an average reduction in unnecessary maintenance events of 35% when applying actual vehicle use. A safety checklist provides a direct line of communication between operator and mechanic in shades of grey rather than a vague “It doesn’t work” answer.

Security

With AvRamp’s restricted access control, only authorized operators can operate monitored equipment. GEO-fencing is available, which defines invisible geographic barriers that can disable the equipment when crossed. A remote security shutdown can be performed by authorized software users via the Vision™ software.



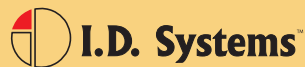
TSA Tested & FAA Approved

AvRamp is the culmination of over \$6 million invested by the U.S. Transportation Security Administration (TSA) and system developer I.D. Systems, Inc. (NASDAQ: IDSY). 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 solution is proven at leading corporations and government agencies, including British Airways, Chrysler, Deere & Co., Ford Motor Company, Newark Liberty International Airport, the U.S. Postal Service, and the U.S. Transportation Security Administration.

About I.D. Systems, Inc.

I.D. Systems, Inc. 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 airport ground support equipment, and the people who operate them. The company's patented Wireless Asset Net[®] system, which utilizes radio frequency identification, or RFID, technology, addresses the needs of organizations to control track, monitor and analyze their assets. For more information, visit www.id-systems.com.



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