



Technology **rides with us**



TransitMaster IDS™

Intelligent Decision Support for Transit, Rail & Ferry

INTELLIGENT TRANSPORTATION SYSTEMS
www.trapezegroup.com

Always the Right Action

The TransitMaster IDS™ (Intelligent Decision Support) system optimizes the decisions taken by dispatchers and the reliability of transit service information. TransitMaster IDS™ assists transit dispatchers in answering the most urgent questions such as “What event has priority?”, “What service needs attention?” and “What shall I do next?” The system continuously monitors and analyzes data from the vehicles and other external sources and proposes the right action for each specific moment, while transit-related information is communicated to passengers in real-time.

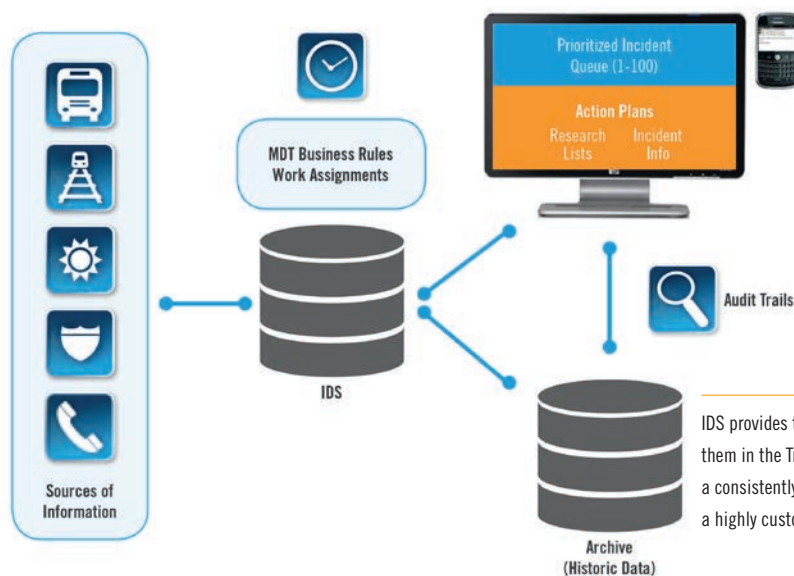
Typical transit CAD/AVL systems deliver large quantities of data to dispatchers. At times, agencies may find this constant stream of data to be overwhelming. Priorities may get lost. This can result in inefficient operations and ultimately in unsatisfied riders. When using TransitMaster IDS™, dispatchers always see their most important action items on the top of their list—accompanied by the right action plan. This helps agencies improve the overall service quality and safety of their operations.

Intelligent Data Usage

TransitMaster IDS™ automates the display of information tailored to the incident at hand. The system quickly analyzes a situation based on data from various sources—such as IDS generated data, map data, traffic information, scheduling or weather alerts—to provide the right action at the right time. IDS handles many different situations in which quick decision making is necessary.

Daily Operations

During daily operations, different services have different priorities, operating rules and restoration strategies. Therefore the highly flexible configuration of IDS helps all services with unique requirements such as Light Rail, Bus Rapid Transit, High Frequency Fixed Route, Express Service or Local Service. Along with performance indicators, TransitMaster IDS™ provides the dispatchers with only that information and only those scenarios which they need in order to maintain higher levels of over-all transit system performance.



IDS provides the tools to translate agency operational business processes and implement them in the TransitMaster™ system, thereby turning an entire corps of dispatchers into a consistently high performing group. User definable parameters and thresholds provide a highly customizable CAD/AVL solution.

Emergency Situations

In emergency or recovery situations, IDS advises dispatchers on how to proceed based on pre-defined rules set by the agency. This may include activating buses to re-route passengers on an immobilized light rail vehicle, identifying available drivers or automatically informing riders in real-time through services such as TransitMaster WebWatch™, TransitMaster OnStreet™, traveler information centers or other Trapeze or third party Traveler information systems. This real-time response improves the reliability of the transit services as well as passengers' perception of it.

In case of severe weather, the agency configures TransitMaster IDS to propose recovery plans that focus dispatchers' attention on the core routes and gradually guide them to restore normal operations throughout the entire transit system.

Working with TransitMaster IDS™

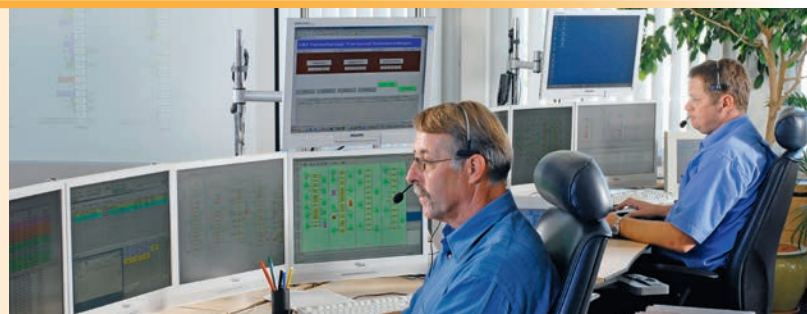
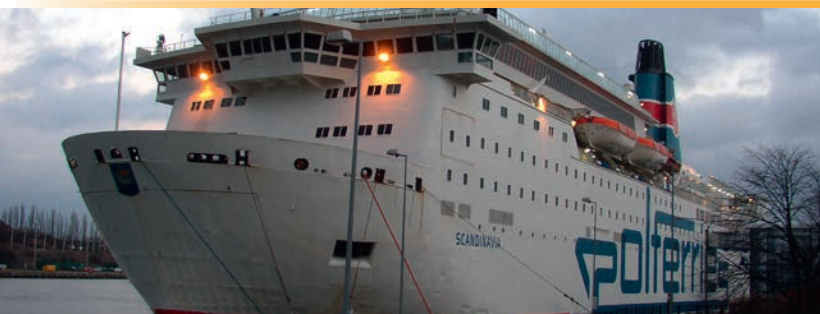
TransitMaster IDS™ has transformed traditional action plans on paper into a computer aided business intelligence system. The IDS application creates a highly efficient workflow, allowing dispatchers to make quick decisions and provide real-time information to passengers, other transit management and other ITS centers.

TransitMaster IDS™ is completely user configurable. In this way, agency-specific operating procedures occurring daily, seasonally or in special circumstances can be integrated into the decision support system.

THE BUSINESS CASE

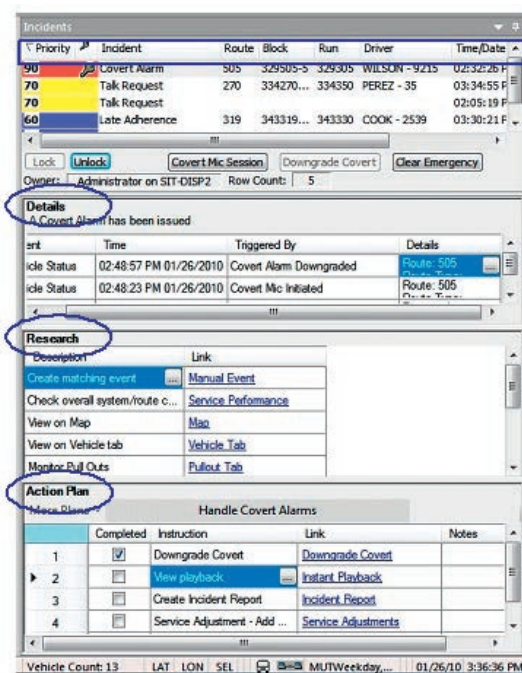
TransitMaster IDS™...

- Highlights the most important action item, always accompanied by the right action plan.
- Advises dispatchers in emergency and recovery situations on how to proceed based on pre defined rules set by agency.
- Optimizes dispatchers' decisions and the reliability of transit service information.
- Monitors and analyzes vehicle and external data in real-time.
- Is completely user configurable, agency specific operating procedures are integrated into the decision support system.
- Maintains higher level of overall transit system performance!



Better Decisions and Communication

Dispatchers see in their working queues those incidents prioritized that are relevant to the transit schedule at a specific moment in time. This enables dispatchers to identify the most important service disruptions and make prompt and informed decisions. The up-to-date real-time information of the disruptions and dispatchers' actions is then communicated internally and externally to applications such as TransitMaster WebWatch™, TransitMaster OnStreet™ and traveler information centers.



Covert alarm selected within the IDS Incident Management Interface.

TRANSITMASTER FUNCTIONALITY FOR RAIL & FERRY

Rail: Trains installed with TransitMaster have the same compliment of mobile feature capabilities as on a bus: AVA, APC, AVM, interfaces to faring systems, camera systems and traveler information. Dispatchers see on time performance and have the same messaging capabilities to rail as they do with bus service.

Ferry: TransitMaster installed on ferries notifies the operator and dispatch when the service is behind schedule and whether the craft has gone off-course.