



RATP Dev USA's Safety Management Solution (SMS)

As early-adopters of the FTA's proposed safety and security regulations in the United States, the following elements illustrate a high-level framework created for the public transit community to commit to safety and security in their organization to reduce organizational and operational risk.

Your guide to a safe and secure future in mobility



FROM COMPLIANCE \longrightarrow SMS

Stand up to the 21st century regulations and change the conversation; address risk as well as compliance.

In the past, conversation between regulators and industry has revolved around compliance. We seize this opportunity to change that conversation to address risk as well as compliance.

Safety Always

A comprehensive solution

SMS Enterprise Software **Incident Notification System Vehicle Telematics** Learning Management System

Modes of Transit

Passengers

Rail **Paratransit** Bus

Enabled by key relationships

Community Strategic Partners

Our employees

Supported by strategic priorities, a robust framework, approach to risk

Risk Management **Policy Assurance** Promotion

Building you a safer and more secure environment for mobility

Directly manage safety, risk and operational performance Capture incidents on location Provide real time status incidents

Conduct root cause analysis

Benefits

multifactor productivity

Improve productivity: labor productivity+

State Oversight Plan Requirements

Comply with proposed FTA 2018 Regulations

Strong ROI through reduction in risk leading to reduced costs.

and safety culture Benchmarked against FTA, FAA,

Increased employee engagement

ICAO SMS framework

SAFETY POLICY SAFETY RISK PROMOTION MANAGEMENT

ASSURANCE

SAFETY

Drive Results 4 components - 1 solution

reporting and investigation data, to analyze, present, and manage risk continuously. (using a cloud-based software system) **DRIVE TO**

Capture the cyclical process of

Deliver the right message, to the right

DRIVE TO INFORM

parties, at the right time. (via email, text, phone)

for effective training, testing and record keeping to track improvement. **DRIVE TO**

Standard online content

LEARN

PREDICT Capture near miss

DRIVE TO

events to foretell potential accidents and correct them before they occur: reward low-risk and correct high-risk behavior

Drive to Manage 75% of North American transit agencies' ITS (Intelligent)

Transit System) solutions are still housed on a local server and that 85% have considered migrating to a cloud-hosted service. • In fact, there is a growing trend to integrate public

MANAGE

transportation with other modes of transportation, using open application program interfaces ²

Drive to Inform • Reduce Collison frequency by >50% 1

Drive to Learn

non-professional drivers 3

 Up to 75% of accidents are caused by **75**%

Drive to Predict

 Reducing traffic by 5% of road capacity can reduce delay by 20% or more 4

20%

50%

Successful Implementation

PLAN Conduct Gap Analysis

Create a specific **Implementation** plan

ACT

Configure, Test and Train

DO

Install SMS Software,

Increase in employee engagement **Increase** in Safety Reporting **Increase** in Operational Performance

Decrease in Work Comp Claims **Decrease** in Employee Injuries **Decrease** in Lost Work Days

> Reduce vehicle damage, workers compensation, and personal injury claims by over 53%

53%



Success Story: Capital Metro: Austin TX

FTA Safety & Security Time Series Data (Fatalities, collisions, total injuries) 1 2017 ETA Transit Rider Survey (Drive to Manage) 2 IATSS Research, vol. 37, no. 1, 2013, pp. 1-7. (Drive to learn) ³ Transportation Economic Trends Report 2017 (Drive to Predict) ⁴

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