



Safety Matters

Implementing Driving Simulators to Improve Safety Performance of Collection Operations

Presented by Wayne Snow

Why Safety Matters

- Risks of not training
- Costs of crashes
- Benefits of safety and refresher training

Why Simulation

- Compare adult learning methods
- Discuss how driving simulation is an established, proven method for training

Training Program

- Targeted training paths, task-based curriculum
- Blended learning and performance optimization delivers targeted training



WHY SAFETY MATTERS

Benefits of Continuous Improvement



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Waste & recycling collection has the
**5TH HIGHEST
FATALITY RATE**
of any job in the U.S.

- Higher than police officers or firefighters
- **On average, 1 U.S. waste worker dies weekly on the job**
- Fatality rate generally continues to increase since 2009
- Many fatalities occur at smaller private fleets (i.e., small and medium-sized charters)

- Backing Up
- Struck by equipment
- Equipment Rollover



WHY SIMULATION?

A New Approach to Driver Training





- Behind-the-wheel training risky
- Driving environments difficult to stage
- Uncontrollable, risky conditions
- Exposure to dangerous situations
- Familiar with potential risks
- Practice appropriate responses
- No accountability for mistakes
- Negative impact on learning

- Proven training tool
- Increased Learning Retention
- Risk-Free Environment
- Progressive Skill Development
- Scenario Customization
- Standardize Curriculum
- Situational Awareness





TRAINING PROGRAM

Essential Components of Simulation-Based Training Program





Entry-Level &
New Hire Onboarding

Post Incident
& Remediation

Fleet Performance
Management Services



Pre-Hire Screening
Assessment Tools

Safety Refresher
Skills Training

Advanced Skills &
Career Development



- Quality curriculum crucial to success
- Identify driver tasks in the workplace
- Analyze related industry tasks
- Develop measurable learning objectives
- Create base curriculum



Computer-Based



Training Centers



Instructor-Led



Online Training



Driving Simulators

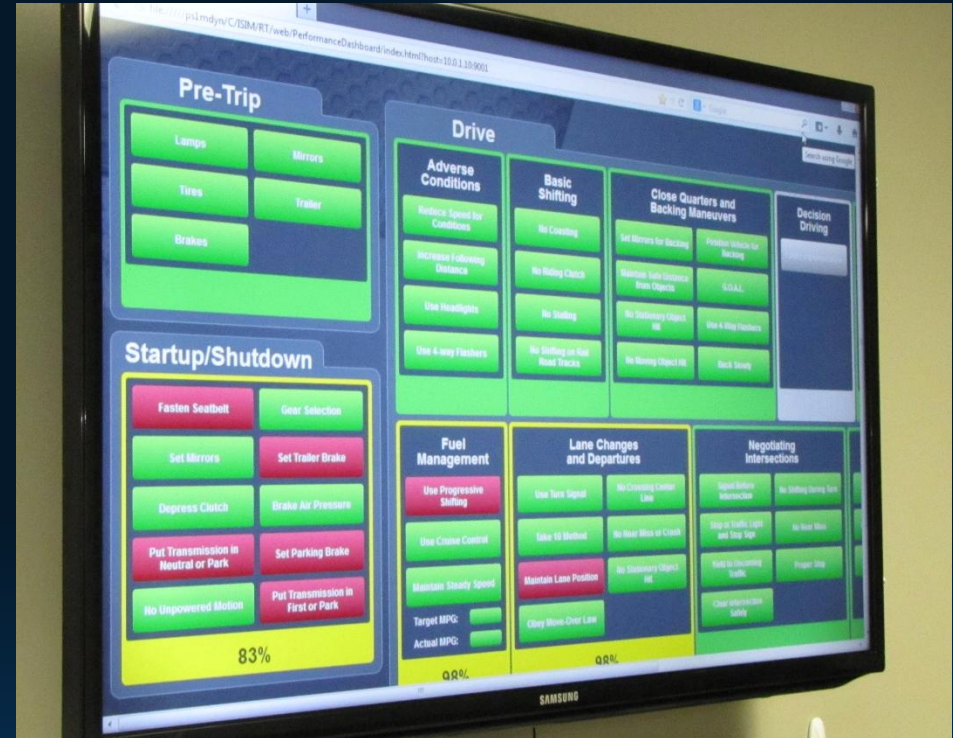


Training Services



Integrates technology with traditional learning methods to affect measurable growth in human performance.

- Effective learning retention
- Accelerated learning
- Reduces training lifecycle costs
- Immediate coaching
- Real-time scoreboards



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- Network of Employers for Traffic Safety (NETS)
www.trafficsafety.org
- National Highway Traffic Safety Administration (NHTSA)
www.nhtsa.dot.gov
- Occupational Safety and Health Administration (OSHA)
www.osha.gov/SLTC/motorvehiclesafety
- National Institute for Occupational Safety and Health (NIOSH)
www.cdc.gov/niosh