

Background

Safedrive Africa Foundation (SDAF) is a not-for-profit organisation advocating for road safety, traffic victims, sustainable mobility and environmentally friendly to reduce the incidence and impact of road traffic & injuries.

Hazard avoidance

Familiarizes and acclimates the driver to the simulator. The course covers:

- Evaluating hazard awareness
- Driving training scenarios in simulated automatic transmission single or tandem rear axle dump trucks or snow with varying plow, underbody and wing configurations
- Exercises to assist in training muscle memory responses
- Reducing reaction times to hazardous situations such as oncoming vehicles, collision avoidance, truck hazard reactions versus weather hazard reactions, driving path vehicle intrusions, and driving conditions where multiple hazards may be present (e.g., bad roads, rain, snowfall, sun glare, nighttime driving)

Change of Weather and speed

Exposes drivers to the risks and consequences of improper speed. This course covers:

- Braking distance
- Stopping distance
- Freeway speed scenarios
- Urban speed scenarios
- Speeding on ramps and curves
- Visibility
- Proper speed given terrain, weather and traffic

Vehicle clearance and usage

Focuses on the space cushion concept and challenges drivers to apply additional techniques such as:

- Using the timed-interval method (three-second rule)
- Calculating stopping time
- Using lanes properly
- Following strategies
- Observing overhead obstructions and clearances

Handling and underbody usage

Includes best practices, rules of the road and factors that affect a driver's decision-making ability, including

- Personal characteristics
- Health and family
- Equipment knowledge
- Work environment
- Hazard perception
- Results of reduced traction
- Changes in the road surface based on temperature or precipitation and vehicle/ weight condition

Precision of driving and backing

- Perceiving hazards
- Mirror adjustment and usage
- Pivot points
- Blind spots and ground guides
- Applying decision-making skills

Why Use a Driving Simulator?

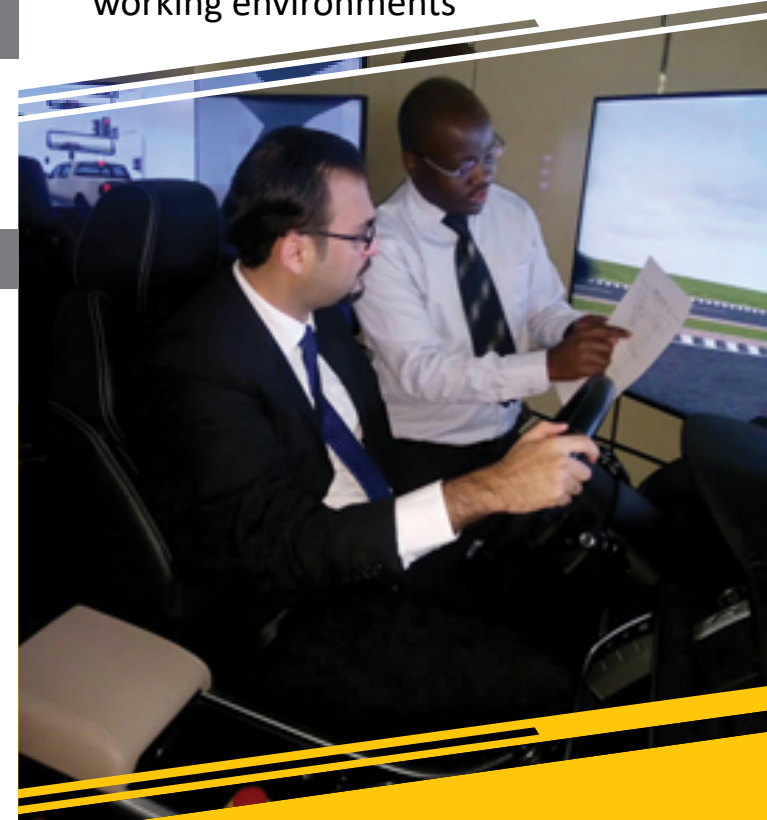
Driving simulation is an extension of training that has been used by the military and major airlines for years. A driving simulator gives the driver a chance to train for a variety of different circumstances in a dynamic training environment. The difference between simulation and real world driving is that a mistake can become a learning opportunity to improve driving skills without injuring the driver, the general public, or causing damage to the vehicle.

The simulator consists of a driving compartment surrounded by three, high resolution screens giving the driver a 190-degree field of vision. Functional dashboard gauges, a true steer steering wheel, usable radio and siren, road feel through the driver seat, and workable rear-view mirrors all give the driver the needed realism.

The instructor controls the weather that transfers the difference between rain, snow, or dry pavement to the vehicle handling characteristics. Fog, sun glare, and the time of day (daylight or darkness) are also adjustable.

Driver Simulator TRAINING PROGRAMME

Designed for drivers, supervisors and fleet safety managers in different working environments



The program includes customized scenarios and training for emergency management, fire department drivers, Department of Natural Resources employees and city and county vehicle drivers.

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Overview

SDAF is offering simulator training for anyone who operates a fleet or a combination of a truck and trailer in collaborations with host institution / host countries. The interactive driving simulation system is the first of its kind in road safety. The simulator replicates various driving cabs and has the ability to train on both manual and automatic transmissions.

SDAF offers simulator training for classroom size up to 10 drivers, which can consist of any combination of employees from various entities as a simulator brand ambassador.

SDAF has established itself as a premier provider of driver training for some of the country's largest corporate fleets. Programs focus on host company policies, and specific driving issues and needs.

Blended learning approach using virtual reality simulation and interactive in-class instruction at workplace. Targeted learning topics will address your specific risks, concerns and procedures

Companies whose employees took the simulator training report reductions in number and severity of crashes, overall improvements in driver's skillset, fuel efficiency and reductions in vehicle maintenance, environmentally friendly and repair costs.

SDAF has a full-time staff of road safety ambassadors, Trainers, facilitators, instructors with an extensive law enforcement and training background.

Training

- Experienced SDAF staff conduct the training to maintain standardization and consistency
- The four-hour training session consists of instructor-led classroom participation, computer-based and simulated driving
- training components
- Two drivers operate the simulators, while other drivers' complete computer-based training
- Drivers receive immediate coaching after each simulation scenario
- Each simulation scenario is designed to accomplish and reinforce specific training objectives and skills

WHY Have a Special Driver simulator Training Program?

Public Safety employees drive the highest percentage of miles, usually more than all other departments combined, and operate under a variety of adverse conditions. Night and day around the clock patrol or response, all types of weather, rain, fog, wind, snow, flood and responding to emergencies in all types of traffic conditions. Driving skills need to be learned that will help drivers be more aware and ready to respond to all of these conditions.

Over 50 scenarios are available for use by the training facilitators. Each scenario is several minutes long and represents a different set of driving conditions and situations. The participant are given beginning scenarios to get them use to the simulator, progress to safe driving techniques, and then to emergency response situations. Each scenario can be replayed and shown from an overhead view to help the driver understand what they did correctly or where they made a mistake.

SDAF driver refresher training program for corporate fleets is uniquely designed to teach important aspects of safe vehicle operation and environmentally friendly. Safedrive Africa Foundation (SDAF) encourages all community, institutions, companies and religious organizations to make safe driving an important part of their employees' lives, whether you want to properly train your sales staff or maintenance department, improve safe driving practices away from the office, or demonstrate the benefits of driving more

