i TECH DRIVE

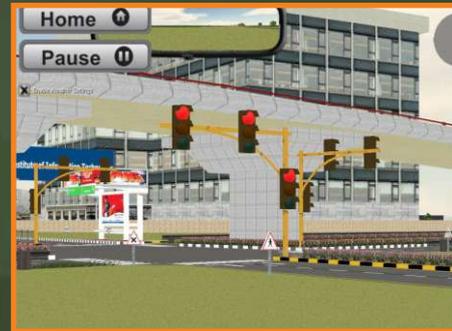GLOBAL SIMULATION PRODUCTS

Train To Deliver...

ADH LABS

GLOBAL SIMULATION PRODUCTS

ADH Labs simulation products enables training and testing extremely easy and intuitive for instructors and trainees in cost effective manner.

i TechDrive series of simulators are revolutionary products to create better drivers by efficiently developing their complex cognitive & perceptual skills in a risk free environment and thus improving their judgment and decision making skills.

Technical Features

3D CGI Virtual world

Multiple channels of undistorted field of view with visuals scalable up to 360 degrees provide high degree of Visual Realism

Realistic "Virtual Environments" are created using 3D Computer Generated Imagery (CGI) to impart a fully immersive, life like training environment to train and assess drivers
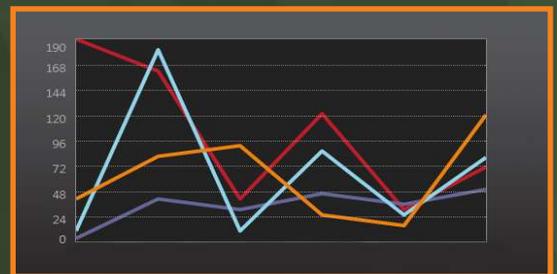
Extensive Instructor

- Flexible exercise editor to create and edit custom exercises
- Exposure to rich variety of environmental situations such as rain, fog, snow and night that are usually not experienced in traditional training methods
- Injection of faults and obstacles to test reactions to emergency situations
- Recording and playback of faults committed by the driver enables better assessment and analysis
- Integrated fully automated and customizable tutorial & test to teach basic and advanced driving practices.

Assessment and grading

- Detailed reporting & analysis mechanism to monitor and identify issues with driving techniques
- Performance graphs for in depth analysis of a trainees performance
- Error categorization to identify and analyze errors committed by the trainee
- Extensive grading and evaluation to assess the drivers capability objectively

Audio system

- Integrated hi performance 3D sound system producing realistic engine and real world sounds for highly immersive life like experience

Real vehicle parts

- To scale model integrated with real vehicle parts such as steering wheel, dashboard controls, gear lever, seat belts etc to provide actual driving experience to the driver

i Tech Drive Truck Driving Simulator

- i-Tech Drive Truck Simulator is a fully functional, pre-configured simulator that contains all necessary HW and SW modules.
- It includes Visual System, Visual Database, and fully functional Truck cab with instrumentation to provide a 'real-life" Truck driving environment.
- The simulator provides a fully immersive environment, comprising a Truck cabin with large visual front screens covering 1800 field of view as the main hardware elements.

i Tech Drive Truck Driving Simulator

- Efficient low cost training in handling heavy city traffic, terrains and rural villages
- Helps develop high levels of perceptual and cognitive skills essential for transporting high cost cargo and equipment over large distances
- Driving large heavy vehicles through tight corners and high incline terrains help make drivers better equipped to handle such scenarios
- Trains drivers of public services like buses, trucks etc to handle the stress of heavy traffic, pedestrians and long distance driving

i Tech Truck Driving Simulator Features

- The Driver Station comprises a full size truck Cabin, modified for the simulation purpose. All instruments signal lights are functionally in operation.
- The scenario building and monitoring tools are part of the software, which is not only effective for training purposes, but is also specifically developed for research purposes
- The advanced Bus Dynamic Model provides a realistic response to different road surfaces like snow, rain, etc. Low latency, tightly synchronized coordination of manoeuvring and related changes in visual system.

Risk Free Driving in Extreme Condition

Driving Modules for Novice and Experience Drivers

- Driving module specially designed for novice drivers with focus on car basics, traffic rules and road signs. It also includes practice exercises for learning moving off and stopping, gear shifting, steering control, driving on hills and maneuvering in city traffic.
- Experienced drivers can test and sharpen their driving skills in Advance driving module which includes driving in extreme weather and road conditions. Emergency object intrusion allows driver to test their reaction time and level of alertness while driving.

Maneuvering around poles   Steering Control   Emergency Object Intrusion

ABOUT US

ADH Labs is a fast growing agile company with focus on offering specialist simulation products and solutions. The company is formed by group of young & vibrant technocrats and entrepreneurs with extensive experience in designing and delivering world class solutions.

Our core competence and expertise in software, electrical systems & industrial automation helps us deliver state of the art, feature rich simulators with high level of customization to meet ever evolving requirements.

Our simulators enable organizations to deliver critical trainings with great ease & efficiency in a cost effective manner. Modular product architecture allows a variety of options to meet customer specific training requirements.

ADH Labs offers comprehensive usage training programs along with regular software updates, world class after sales support and service throughout the product life cycle.

ADH LABS

GLOBAL SIMULATION PRODUCTS

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