INITIAL PL

Driver Education Without Limit !

INITIAL PL

Realism, Interactivity ...

INITIAL PL is an educational software opening a new era and revolutionizing the heavy goods vehicle (HGV) driving training.

Linked to a « Simu PL » driving station or a fully instrumented SCANIA Cab, INITIAL PL represents the ideal solution for learner drivers and truck drivers periodic training. Perfectly adapted to mass audience events also, it will deploy its full potential in the harshest professional training.

The Stand-Alone version of INITIAL PL enable HGV driving lessons and training supervised by a virtual instructor integrated on the Software.
INITIAL PL offers the best image quality in the field of 3D simulation.
The actor's behaviour as well as the breadth of available tools and situations make it a unique product.

Completeness: More than 5000 combinations !

INITIAL PL immerses the user into a multitude of situations with a very complete toolbox.

Many elements guarantee the simplicity of creating all kinds of animations and training scenarios :
Varied weather and environments, vehicle characteristics, scenario variants, reduced visual acuity,
driving under the effects of alcohol or breakdown management...
If all the possibilities are exploited, then many dozens of hours of training are at your disposal!

Different types of Simulators configured according to your specific needs

INITIAL PL software can be used on the different types of driving simulators.
“Simu PL” ranges (provided with or without an Electric Motion Base) are intended to be used for the basic training and retraining of professional drivers or learner drivers.
With its easy-to-use system, this simulator represents a great way for all instructors who wish to conduct group training.
The SCANIA CAB is aimed specifically to the initial (FIMO) and continuous (FCO) training of professional truck drivers. Our Simulators have been recognized for that according to French Directive of the 3rd January 2008 (art.5 - subparagraph II).
Both of the truck driving simulators have also been officially recognized and certified for periodic training of professional drivers according to EU Directive 2003/59/CE (15 of July 2003 by the European Parliament).

The Driving simulator is remotely controlled from a Tablet PC.

Thereby, the training and all the parameters of the simulator are organized by the trainer directly from the Tablet PC.
The Tablet PC enables the schedule of training also. It can be connected to several simulators.

Rich and Varied Environments!

INITIAL PL welcomes you to a huge training field, where are integrated test tracks, test roadway, truck unloading bays and specific training programs required by most of European countries.

The Software offers a spectacular variety of environments adapted to any driving situation:
series of roundabouts, flat or steep slope, way down, bend, blind bend, about-turn, double bend and bridges in tricky situations.

INITIAL PL « FCO » Version enable rides into town, drives in the country, in industrial park, in highway, in mountain road, in tunnels or completing exercises on a test track in order to master your vehicle in all situations!

INITIAL PL infrastructure adapts to any type of training.

Environnements

- Road
- City Center
- Highway
- Test Track
- Industrial Area

Drive, no matter the weather !

Braking distance, visibility, vehicle control and many other aspects of driving can be affected by bad weather!

With INITIAL PL you can configure the weather in every environment: rainy highway with strong winds, snowy roads, fog, night driving...

INITIAL PL places the user into every possible driving condition.

Weather Conditions

- Sunny
- Rain
- Snow
- Fog
- Night

Comfortable driving !

The realistic dynamics of INITIAL PL heavy goods vehicles (HGV) offer a driving experience unmatched by other simulators.
Many different types of trucks are available (Long-haulage vehicle, lightweight truck, Bus, coach...) allowing you to experience different driving styles, vehicle sizes and transported loads...

The vehicle you are driving can be modified and configured at any moment! This allows you to highlight the link between security features, their maintenance and the vehicle's performance.

*Only available with the "INITIAL PL FCO" version

The Software Versions:

The software has 3 complementary versions for heavy trucks ranges:

INITIAL PL

enable group training of learner drivers

INITIAL PL «Autónomo»

"INITIAL PL Stand-Alone Version": a virtual instructor is supervising the drivers training. This version is more efficient for individual trainings.

INITIAL PL «FCO»

is intended for the professional truck drivers periodic training (initial and continuous training). The program provides an environment of 400km of roads and more than 5 000 possibilities and variants.

The Vehicles:

The Software includes 3 Vehicles:

- A Tractor Truck (inline engine up to 420 hp – trailer of 16,5meter in length)
- A Straight Truck (420 hp, 15meter)
- A Tanker

Additional Vehicles:

- A Coach (330 hp)
- A Bus (300 hp)
- A Road Train (consists in a straight truck of 420hp and a trailer)

Configuring the vehicle *

Control each of the driven vehicle's parameters before you start and they will remain modifiable at any moment during the driving phase :

- Deflate a tire while the student is driving !
- Deactivate the traction control system...
- Compare the vehicle's behaviour with and without the ABS

*Only available with the "INITIAL PL FCO" version

simulated driving with 0.8 g/l alcohol in blood.

Driving Parameters *

Modify the user's driving parameters at will with ROAD STAR :

Physical conditions management

Reduced visual acuity, driving under the influence of alcohol or medication and lack of vigilance are some of the driving hazards you can experience safely with ROAD STAR !

Actions on the vehicle

Has the driver seen the warning light on his dashboard? Break the monotony of a scenario by creating a surprise breakdown on demand: random tire blowout, brake or engine failure...

Vehicle parameters

Modify the tire pressure, activate or deactivate the ABS, TCS or ESP systems in real time, compare economical driving with and without the cruise control, etc...

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An adaptive dashboard

User immersion is extremely important during the driving phase. It reinforces the link between learning on a simulator and applying this knowledge onto future real-life situations.

With that in mind, INITIAL PL places you into a realistic driving cab with a 180° dynamic field of view ! Each type of vehicle has its own dashboard in order to reproduce real life visibility.

180° dynamic view

At lower speeds, the side screens are automatically set for 180° to give perfect visibility at intersections.

Vehicle Passenger Compartments:

3 The on-bord computer

This module used for ecodriving gives you constant control over your fuel consumption and your tires' pressure.

4 The Cameras

The camera tool offers multi-screens external views (from the side, from the back, from the top) to help you to become aware of the overall dimensions of the vehicle on the road and of the outside environment.

1 The Dashboard

With the "Simu PL" the dashboard informs the driver of his speed, shows the motor's revolutions per minute and the current gear. Indicator lights also gives information on flashers, vehicle's lights and handbrake.

With the « Scania Cab » the dashboard is fully instrumented in the real "cockpit ».

2 Electronic Chronotachygraph *

The Introduction of provided chronotachygraph carts into the simulator force the driver to engage an appropriate behavior and manage his driving time.

5 The GPS

This tool, invaluable in the simulator, gives you directions while guiding you through the different suggested environments.

6 The rear view mirrors

Comme dans un véritable véhicule, ils montrent en temps réel ce qui se passe derrière vous.
Leur nombre et leur forme peut dépendre du véhicule que vous conduisez. Ils sont réglables électriquement.

* Only available with the "INITIAL PL FCO" version

Driving Parameters:

The Mirrors Parameter

INITIAL PL has 3 additional mirrors showing the front of the vehicle and the tires of both sides while driving.

External Camera

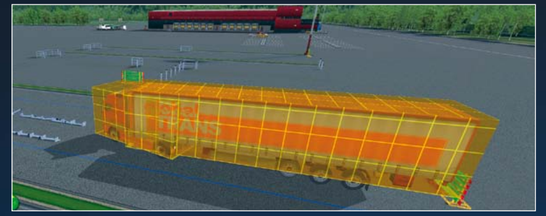
3 External cameras (top view, back view and lateral view of the vehicle) help the driver to become aware of the overall dimension of his vehicle while driving.

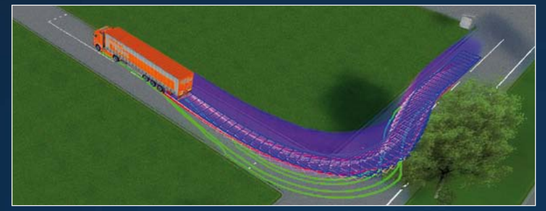
Traffic Flow

Depending of the drivers skills, you have the choice to increase at any time the traffic flow.

Guidance Tool

Ground marks can be activated (on the floor) under the trailer and the tractor while driving or during the replay.
It is extremely helpful to foster appreciations of trajectories. A similar tool is also available to take account of vehicle gauges.
A measuring instrument exists also for the trainer to be able to calculate the distances between the vehicle and the barriers during driving manoeuvres.





Unmatched Scenario

Diversity* !

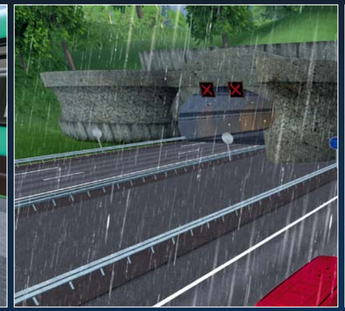
Multiple unexpected events, driving tests, hands-on training, free driving; INITIAL PL offers numerous scenarios representing the diverse situations of everyday life.

Drive while surrounded by two-wheeled vehicles, heavy vehicles, buses, slow vehicles, emergency vehicles, pedestrians, animals...

*Only available with the "INITIAL PL FCO" version

Realistic Situations

The scenarios integrate situations from the Ediser software repository.
INITIAL PL is compatible with all types of training: driving school, retraining, continued training...



Hours of driving

With its many tools and scenario variations, INITIAL PL allows you to provide dozens of hours of training.

Scenario Variations *

The trainer can modify the course of a scenario in real time to surprise a driver already familiar with a situation.

He can choose from 3 variations that can change the location or the nature of the main events.

*Only available with the "INITIAL PL FCO" version

Organising your Training

INITIAL PL FCO is first and foremost an excellent teaching tool. It allows you to create complete and personalized training sessions in very little time.

Create a personalized list with favorites Scenarios
Save precious time by using our software's ability to create a personalized list of exercises, available at any time in one click.

Scenarios sorted by theme

INITIAL PL FCO scenarios are sorted by five main themes. A single click filters all scenarios within a common theme.

Instructional
Analysis *

INITIAL PL FCO offers a large selection of tools to improve analysis and to help the driver progress beyond the driving phase.
Give detailed feedback on the driver's actions! Identify and correct the driver's mistakes during playback. Point out when safety headways are too short, stopping distances and reaction times, excessive speed and fuel consumption, deviating from the trajectory...

*Only available with the "INITIAL PL FCO" version

Tools

The Recorder

Allows you to replay the scenario and all the driver's actions, image per image, in slow-motion, sped up, or looped...

The Waypoints

They allow you to directly access a driving mistake or a remarkable event recorded during the driving phase.

The Cameras

They allow you to visualize all driving situations from five different points of view.

Analysis

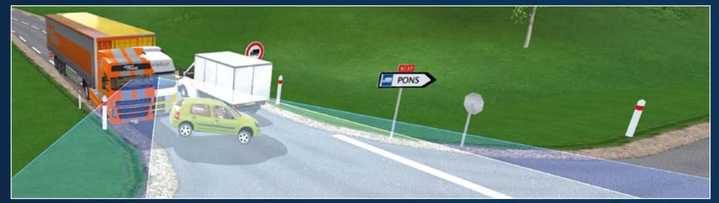
Discover the driver's main results, shown in images from the simulation. After each scenario, integrated tools in the 3D environment visually help you understand the driving statistics.

Safety and Stopping Distances

INITIAL PL FCO allows you to instantly visualize safety, reaction, breaking and stopping distances. This helps breach the subject of anticipation.

Vehicles and Alcohol

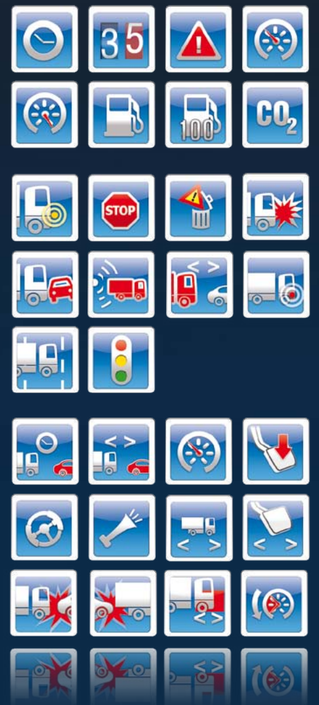
A yellow vehicle simulates driving under the influence of alcohol. It is a double of your vehicle and shows the differences between regular and drunk driving. Compare fields of view, trajectories, reaction time, impact speeds...



A complete results board

Precisely evaluate the user's driving.
Examine his statistics on the results page. Count the number of mistakes made, CO2 emission during the course, average speed, reaction time, stopping distance and much more...
All of these results are saved for each driver and can be edited or consulted in the future.

These boards enable an active training policy for the long term.



Summary

Make a progress report on the main driving stats. It's time for an assessment : what was the distance covered, average speed, fuel consumption and pollution, etc.

Driving mistakes

Tally up the mistakes made!
Every mistake is filed by type. You will know how many times the flashers were forgotten, that signalization was not respected, priorities refused, etc.

Event

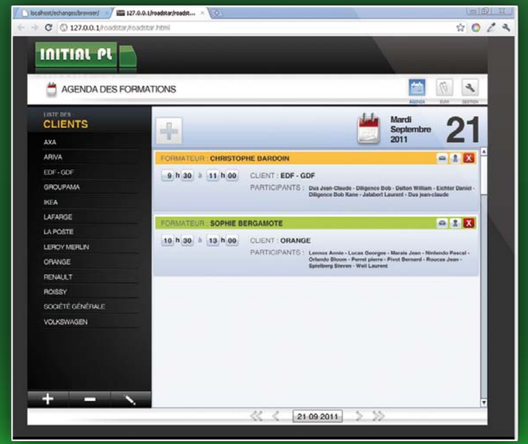
Analyse the driver's performance during the final event or scenario or during an emergency situation.
Evaluate his stats during three crucial moments: during the event, during the driver's reaction and at the end...

Student

Monitoring

All of the user stats are filed into a database. This makes it possible to consult or edit this information at any moment for a perfect monitoring of your drivers.

Whether or not you are connected to the internet, everything you do with INITIAL PL FCO is saved.



Student file

Save your students' information into the database.
Save their address, permits obtained, number of driving years, complete contact information, etc.
The traceability of student results enables to retain trainees and offer t hem long term training programs.
Trainers will be able to follow consecutive stages and provide to trainees advanced or various training topics according to their needs.

Trainer's Control Station *

Remotely connect to the simulator to obtain student information! Connect to the network to access their data.

Remotely control and conduct the training, start exercises, carry out on-line analysis, etc.
Consult the complete stats of a student at any moment. Generate specific searches with multiple options in your browser.

* Optional

Discover
INITIAL PL

3D simulation allows trainers to work with no risk and at a reduced cost on themes that could not be approached in reality.
INITIAL PL brings full realism, interactivity, and a breadth of choices.

INITIAL PL FCO is more than 5000 working combinations for the trainer! Create the training program most adapted to each of your classes.
Discover the completeness of tools and situations, driving scenarios, weather conditions, disruptive events, road infrastructure, vehicle configuration and much more…
Our Driving Simulators have been officially recognized and certified for periodic training of professional drivers according to EU Directive 2003/59/CE (15 of July 2003 by the European Parliament) and French Directive of the 3rd January 2008 (art.5 - subparagraph II).

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