



# ERDS Simulator

Emergency Response Driving Simulator

Safe in every situation.

 **rosenbauer**

# Reduce your risk - To a minimum.

Train emergency journeys with the ERDS Simulator.



## Rosenbauer - A good partner for safety.

Rosenbauer is the worldwide leading technology and service provider for defensive firefighting and disaster control. For more than 145 years, its name has been synonymous with significant innovations and ground-breaking technology in the manufacture of firefighting vehicles and extinguishing systems. Rosenbauer offers municipal extinguishing vehicles and aerial rescue

equipment, airport, industrial and specialty vehicles, extinguishing systems, equipment, stationary extinguishing systems, and telematic solutions. We have optimized the management of emergency vehicles through the integration of innovative information technologies. We set benchmarks in the communication between man and machine.

# Experience reality.

**Innovative. Safe. Individual.**

## Operations with municipal vehicles – Optimally prepared with Rosenbauer.

For the municipal sector, Rosenbauer uses the ERDS (Emergency Response Driving Simulator) simulator - a mobile simulation system of the highest level.

The whole simulator is housed in a container, so the system can be transported anywhere, at any time. Thanks to this flexible setup, Rosenbauer simulator training can also take place at your site.

There are two areas in the container itself:

- A truck driving compartment is used to make the simulation as realistic as possible. What's special for the ERDS is that the truck driving compartment is installed on a moving lifting unit. Which means that the driving compartment also moves during the simulation and reacts to every movement of the steering wheel. This makes it possible to realistically and dynamically experience situations in which driving behaviour changes.

- For extensive feedback there is a separate area for the trainer, who controls the training from there and can observe and analyse all the driver's actions. This allows for the training unit to be discussed and processes to be reflected on.



*Trainer's control room.*



*Truck training cab.*

## Experience for emergency situations.

There is no realistic training for dangerous situations during the emergency journey. Experimental emergency driving is prohibited. As a result, the true test for the driver is always a real emergency. For the training with ERDS, Rosenbauer has created a virtual road network, in which dangerous situations can be realistically recreated. So participants can train the proper behaviour during critical situations that are too dangerous to

attempt in real life. Such critical situations are, for example: a bicyclist who runs a red light, a headphone-wearing pedestrian who does not hear the emergency sirens and a car that suddenly swerves.





The ERDS training unit is set up in a mobile container.

- The ERDS Simulator impresses with:**
- Realistic operational scenarios
  - Reduced training costs
  - Variety of incidents
  - Environmentally-friendly

**More safety thanks to simulation systems from Rosenbauer.**

The ERDS simulator gives a realistic impression of the most diverse of driving situations. Special situations like difficult weather conditions, dangerous traffic situations, and special hazards can be incorporated into customized training sessions.

All parameters and data are recorded so the session can be analysed and evaluated at a later time. Every training session will be discussed afterwards with the responsible trainer.



**Perfectly trained for operations.**

75 % of accidents involving firefighting vehicles occur during an emergency situation. With the help of the ERDS simulator, dangerous situations in which quick reactions are needed can be experienced virtually. Images of roads and highways - both rural and urban - are projected by 180° projectors onto front and side-mounted screens.



*Experience emergency journeys realistically.*

### Simulator training from Rosenbauer.

Safely moving a fire fighting vehicle through traffic in an operation is not only risky, but also extremely demanding mentally and physically. For more driving experience and improved safety, Rosenbauer offers a world-class simulation system with ERDS to optimally practice driving and blue light operations.

- The aim of the simulator training is to optimize your reaction times and processes in risky operational situations.
- You learn how to recognize critical road traffic situations, how to avoid them and how to react appropriately.
- You can train problem recognition and implement standardized reactions in dangerous situations.



#### ERDS – Simulator:

- Swap body system
- Truck driving compartment on moving lifting unit
- Air-conditioned and insulated
- 4-channel projectors, backlit projection
- 180° viewing field
- Motion system
- User and trainer station

### Train realistically and lower costs.

Training with Rosenbauer simulators has many advantages. Operational training in the simulator is much cheaper than real-life training. Through the range of events that can be simulated, it is possible to constantly set new and individual training focuses.

Additionally, a training unit can be repeated until every action is right, time allowing. The training results are reproducible and thus enable the continuous further development of your team.

## Technical data

<b>Length:</b>	7,820 mm
<b>Width:</b>	2,550 mm
<b>Height:</b>	3,010 mm
<b>Weight:</b>	6,800 kg
<b>Power supply:</b>	380 Volt, 32 A (16 A)
<b>Power consumption:</b>	approx. 10 kWh



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