

**PREPARE FOR  
REALITY**



**Our mission** is to  
minimise emissions,  
increase efficiency,  
and improve safety  
during and after user  
training with machines  
and vehicles.



SIMULATION-BASED TRAINING PROVIDES SEVERAL

# BENEFITS



**SAFE**  
REDUCES ACCIDENTS



**GREEN**  
REDUCES EMISSIONS



**EFFICIENT**  
TIME-EFFECTIVE



**ECONOMIC**  
COST-EFFECTIVE

EARTH MOVING



Track Excavator



Wheel Excavator



Wheel Loader



Articulated Hauler



Dozer



Grader

LIFTING



Telescopic Handler



Tower Crane



Mobile Crane

MATERIAL HANDLING



Forklift



Crane Lorry



Timber Crane Truck



Telescopic Handler



Wheel Loader

TRAFFIC



Car



Van



Bus



Long Hauler



Truck With Trailer

EMERGENCY



Fire Engine



Ambulance



Police Van

FORESTRY



Harvester



Forwarder

AGRICULTURE



Tractor



Combine Harvester



Telescopic Handler



Wheel Loader

# ONE SIMULATOR MANY MACHINES and VEHICLES



AN AUTHENTIC DRIVING EXPERIENCE THROUGH

# REALISM



EXCELLENT

## MACHINE BEHAVIOR

Combining the latest technology and programming with advanced engineering gives Tenstar's simulators a very authentic machine feel.

PROFESSIONAL

## HARDWARE

The simulators are designed to the highest standards of quality and function. Developed and assembled by Tenstar in Sweden, with components such as seats and controls sourced from industry-leading manufacturers.

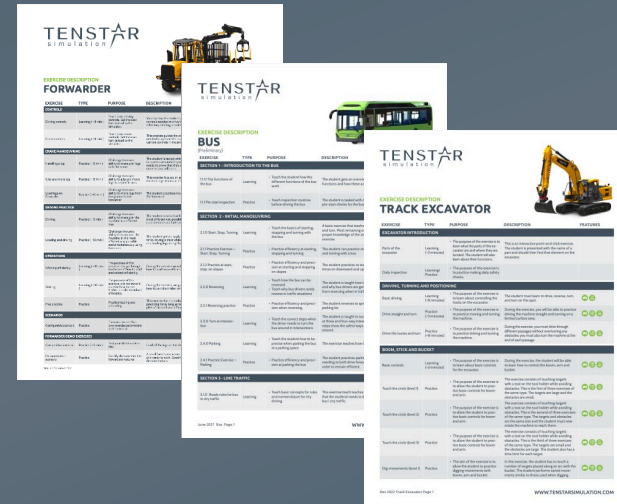
LIFE-LIKE

## GRAPHICS

We design our graphics with an emphasis on real machine models and actual driving environments for a truly immersive experience.

EFFICIENT LEARNING THROUGH

# METHODOLOGY



THOROUGHLY DEVELOPED

## EXERCISES

Each machine type has a full set of professionally developed exercises, optimized to train users in a wide array of operations, from basic know-how to advanced maneuvering.



ANALYSIS AND FOLLOW-UP

## LEARNING

At Tenstar, we're always looking to develop our understanding of how learning works. Working closely with experts in different fields, we continue to present the best tools on the market.



# TENSTAR USER XPERIENCE



## INTUITIVE AND SELF EXPLANATORY

Tenstar User Xperience is an interface that offers a clean and simple look to our simulators, making use of all screens to select and navigate machine types and exercises.

# TEXT & SOUND INSTRUCTIONS

## A SMARTER WAY OF PROVIDING INFORMATION



With Text-to-Speech, we help users process information more efficiently with the help of voice instructions. The users can maintain their focus on the exercise and task ahead, using their hearing to receive the instructions.





# TENSTAR SCORING SYSTEM



## FEEDBACK FOR MORE EFFECTIVE LEARNING

Tenstar Scoring System offers scoring results based on Safety, Quality, and Economy. It enables evaluation, feedback, and incentives for the user's progress and development.



**YOUR SCORE**

QUALITY	SAFETY	ECONOMY
		
83/100	37/100	62/100



# TENSTAR RECORD & REPLAY



## ANALYZE, EVALUATE AND IMPROVE

All training sessions are automatically saved and stored in the system. The exercises can then be watched again from any chosen angle and at any given time, helping users improve their driving.





# VIRTUAL TRAINING SPACE



## MACHINES AND PEOPLE INTERACTING

Tenstar Virtual Training Space - VTS, allows multiple users to enter the same virtual environment, making interactive, cooperative advanced training possible. Users can utilize a wide variety of machines, vehicles, and even VR avatars, all working together to complete realistic exercises.



# INTERACTIVE AVATAR

## IMMERSE YOURSELF WITH VIRTUAL REALITY

With a VR headset, hand controls, and a computer, a person can enter the virtual training environment as an avatar. Interact with site operations in collaborative exercises, or move around a machine or vehicle to get to know all the details to carry out an interactive pre-start check.





CHOOSE YOUR PLATFORM

# WE HAVE A SOLUTION FOR EVERY NEED

Tenstar's proprietary hardware is assembled to order in Sweden. You can adapt the platform to create your optimal solution by choosing and combining professional components from the industry, such as steering wheels, joysticks, pedals, control systems, screens and VR headset.



## PEDESTAL SIMULATOR

*The stripped-down solution*



## CAR SIMULATOR

*With or without Motion Base*



## MOBILE UNIT WITH MOTION BASE

*The complete solution*



### TENSTAR STEERING WHEEL

Designed and developed by Tenstar our steering wheel offers a more realistic driving experience with unique characteristics adapted for different vehicles.

ADJUSTABLE POSITION

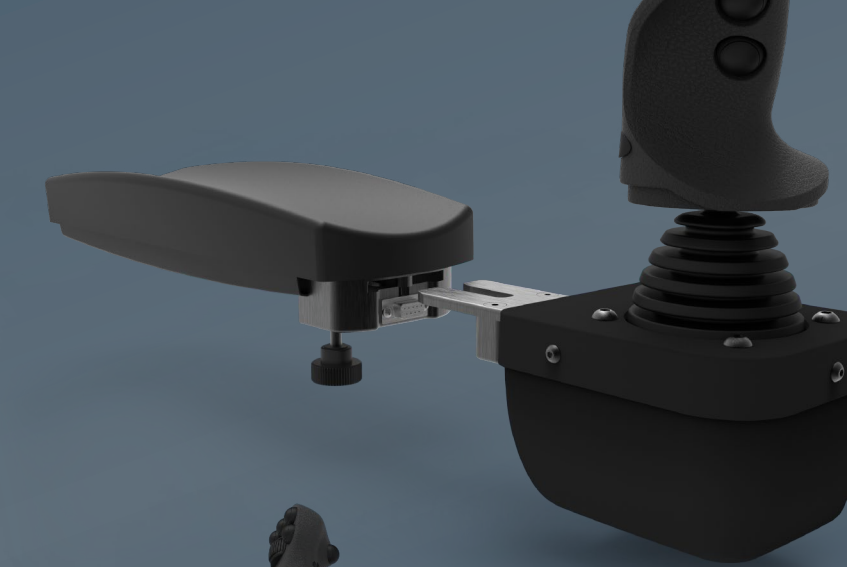


### VR HEADSET

A VR headset will offer an additional immersive experience while operating any machine or vehicle.

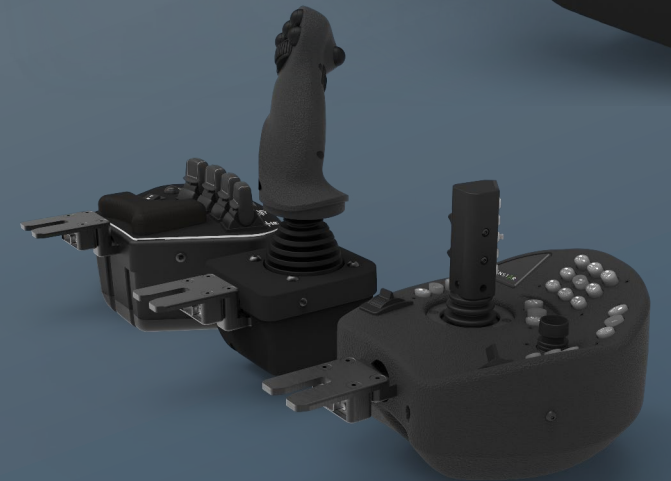
### TENSTAR QUICKSWITCH

The Quick-switch connector fits all joysticks on the same armrest and lets you switch between different controllers for all Tenstar machines.



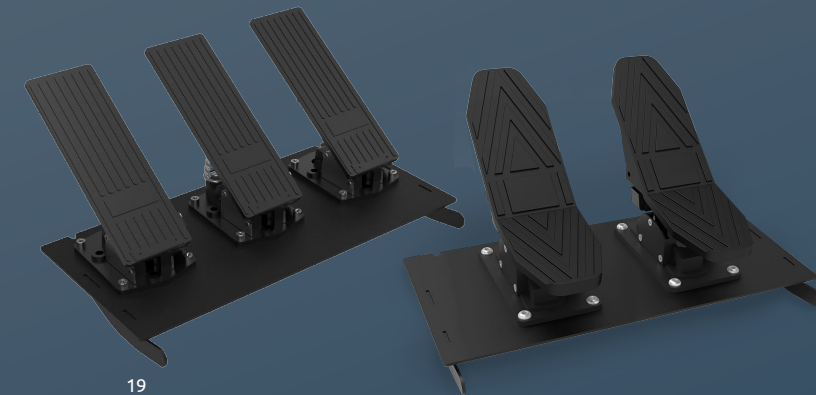
### TENSTAR JOYSTICKS

Standard levers of the highest quality with innovative and functional design. All settings and functions correspond to real equipment.



### TENSTAR PEDALS

Floor-mounted pedals for traffic and tracked vehicles that are easily interchangeable when switching vehicle.





**WELCOME**  
**TO OUR WORLD OF**  
**SIMULATION**