

ADVANCED TRUCKING SIMULATORS



5DT

Fifth Dimension Technologies

We make drivers Safer, more Productive and less Destructive!™

ADVANCED TRAINING SIMULATOR BENEFITS

The 5DT Advanced Training Simulator provides real benefits for recruitment, initial training, advanced training and continuous improvement.

RECRUITMENT

SELECT THE BEST CANDIDATES

- Assess licensed recruits based on your benchmarks.
- Determine the potential of unlicensed recruits.

INITIAL TRAINING

TRAIN CANDIDATE DRIVERS FASTER

- Reduce training time.
- Cover all learning outcomes.
- Achieve a higher training success rate.
- Bring everyone to a higher level with standardised training.

5DT simulators offer real benefits

- Prepare drivers for emergency scenarios like brake failures, tire blowouts and jackknives.
- Reduce wear and tear on vehicles.
- Reduce abusive gear shifting, brake abuse and tyre use.
- Promote defensive driving to reduce preventable accidents.
- Improve economical driving skills by optimising torque.

- Use fleet telematics to identify specific further training.
- Use targeted training to improve specific skills.
- Track driver progress over time with accurate reporting.
- Identify and close skills gaps based on benchmarks.

MAKE DRIVERS SAFER AND MORE ECONOMICAL
ADVANCED TRAINING

CONTINUOUSLY IDENTIFY AND REDUCE RISK
CONTINUOUS IMPROVEMENT

The 5DT Advanced Training Simulator provides real benefits in terms of safety, productivity and vehicle maintenance. It makes drivers safer, more productive and less destructive!

ADVANCED TRAINING SIMULATOR

SURROUND SOUND AUDIO SYSTEM

Experience 5.1 surround-sound audio, leading to a highly realistic driving experience.

REALISTIC FORCE-FEEDBACK STEERING

Experience realistic steering wheel effects of tire blowouts, uneven road surfaces and cross winds.

VEHICLE SPECIFIC SimCABS™

Conduct training in a cab that is identical to the real vehicle. Prevent negative training that is often the result of training in generic cabs. The 5DT SimCAB™ is built with real manufacturer's parts.

CLASSROOM SCREEN

Enable all observers to learn from the trainee in the hot seat.

MODULAR SimBASE™

The 5DT simulator base system (SimBASE™) accommodates a wide variety of 5DT simulated cabins (SimCABS™) for other vehicle manufacturers and models.

6-AXIS MOTION BASE

Experience highly realistic motion cues of the moving vehicle.

PHOTOREALISTIC VIRTUAL ENVIRONMENT

Experience custom virtual terrains, modelled on real locations and real driving routes.

Experience realistic road signs, road markings, traffic and vehicle physics.

UHD VISUAL DISPLAY SYSTEM

Experience unparalleled visual resolution on an ultra high definition (UHD or 4K) display system. The wide field of view provides peripheral vision similar to that experienced in a real truck. Rendered side-view and kerb-view mirrors complete the visual experience.

ERGONOMIC TRAINER STATION

Control training scenarios and the simulated environment from this station. Initiate weather effects (rain, snow, fog), time of day (day, dusk, night, dawn), critical scenarios (tyre blowouts, engine fires, jackknives), and vehicle failures. Records operator errors (up to 70 unique errors).

FLEET TELEMATICS INTERFACE OPTION

Use actual driver information that was recorded by a fleet telematics system for targeted training.

MODULAR SimCABS™

Roll-in or roll-out many different 5DT simulated cabins (SimCABS™) into the 5DT simulator base system (SimBASE™). Swap out SimCABS™ in less than 3 minutes without the use of any tools or cranes.

TRANSMISSION OPTIONS

Train for different transmission types on the same simulator: manual, semi-automatic and automatic gearboxes.



THE 5DT TRAINING PLAN

5DT offers a training plan, not merely training simulators.

E-LEARNING

Knowledge Transfer

Develops the theoretical knowledge base of the trainee. Teaches the trainee the theory, vehicle basics and terminology.



VEHICLE INSPECTION TRAINER

Knowledge Transfer

Teaches the trainee how to perform pre-trip and post-trip vehicle inspections and how to report the findings.



ADVANCED TRAINING SIMULATOR

Skills Transfer

Develop the driving skills of a trainee in a focused, rapid and comprehensive way. Teaches the trainee how to handle the vehicle during emergencies like tyre blowouts, engine fires, brake failures and jackknives.



With the 5DT Training Plan you can have more than 20 people training at the same time, instead of only a single person in a simulator, as offered by conventional training simulator providers.

GLOBAL PRESENCE

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- More than **20** years in business
- Over **200** simulators deployed worldwide
- Simulators for vehicles and machines from more than **30** manufacturers
 - More than **115** different vehicles and machines simulated
 - Regional offices in **5** countries

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