

THOROUGHTECTM
simulation



CYBERDRIVETM
simulator system

AIRCRAFT RESCUE AND FIREFIGHTING SIMULATORS

REAL PRESSURE **VIRTUAL RISK**

INTRODUCING THE MOST REALISTIC, FLEXIBLE AND EFFECTIVE WAY TO TRAIN

ThoroughTec Simulation is the world's leading developer of operator training simulators for high-risk equipment. With 25 years' experience training the world's leading militaries and mining companies, we now bring you our 5th generation Full Mission Simulator for ARFF Operators!

Zero Risk Training

Hone operator skills in the safe, controlled environment of the simulator, where the intense pressure and stress of ARFF operations can be practiced without the danger associated with live training. Exercises can be repeated until procedures and responses are perfected. At the touch of a button, fire fighters can be exposed to a multitude of own-vehicle and situational emergencies, none of which could be safely taught in a real vehicle or live training scenario. The end result is confident, skilled and safe operators.

Any Time

Training can be conducted 24 hours a day, 365 days a year in any weather! Without the need to schedule operational equipment and live training areas around flight operations, you enjoy ultimate flexibility to exploit operator availability for training. In so doing, you ensure optimal equipment and crew readiness and maximise incident response capacity.

Any Scenario

Scenarios, often impossible to train conventionally can be created and conducted repeatedly. Through such controlled yet flexible exposure, operators gain a deep understanding of their vehicle's systems and acquire the confidence and experience necessary to maximise equipment capabilities and stay ahead of vehicle faults and situational challenges. Customised airport environments and rich artificially intelligent traffic, coupled with programmable aircraft and incident types; variable time of day and weather conditions deliver unprecedented depth and quality of training.

Lower Costs

Reduce maintenance and operational training costs by minimising wear and tear on actual ARFF vehicles, and saving on the use of fuel, water and extinguishing agents required for live training. Environmental impact concerns also disappear allowing fire fighters to sharpen their skills without compromising on training time.



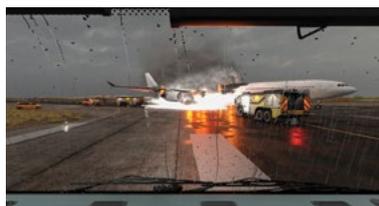
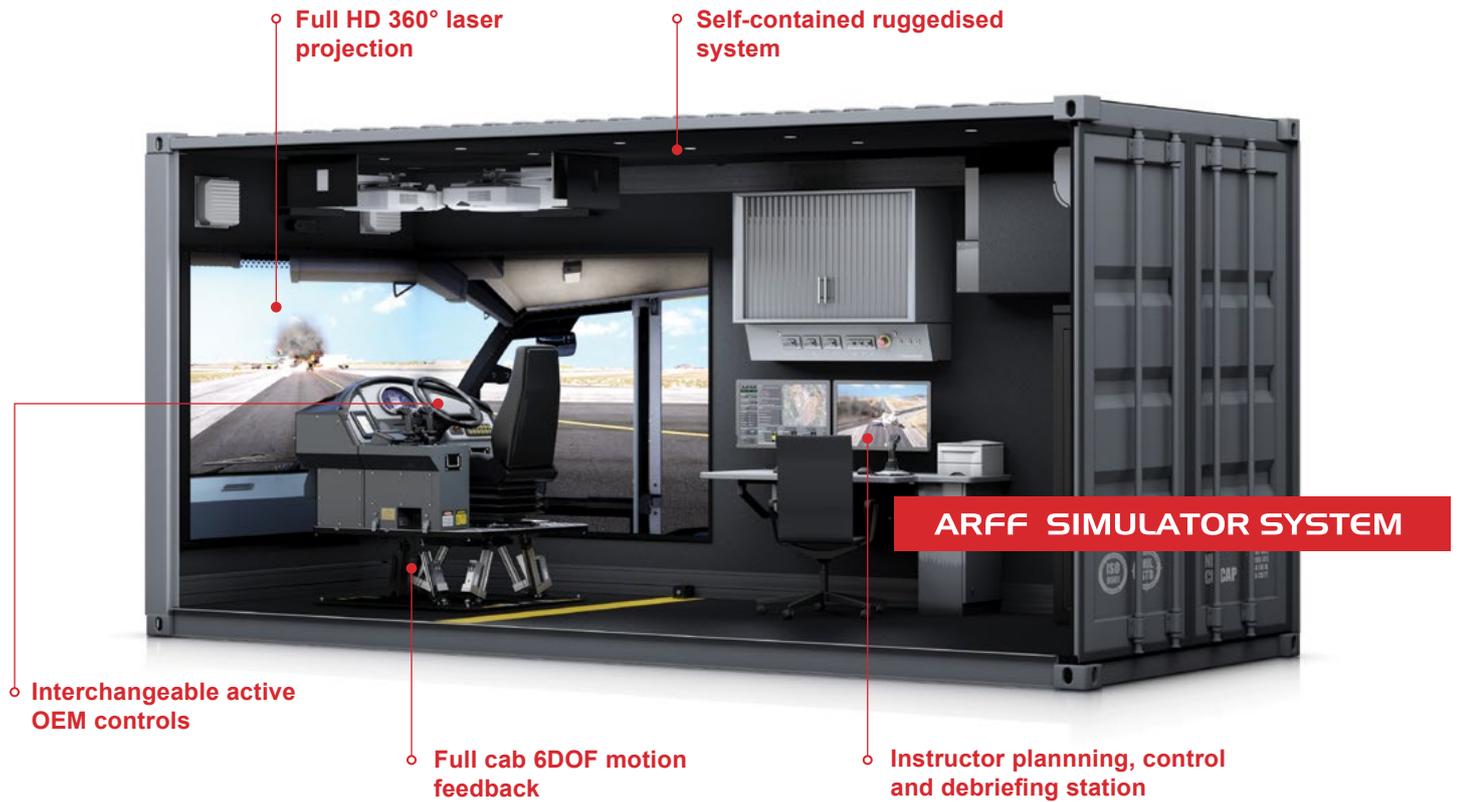
Real Controls

CYBERDRIVE ARFF simulator cabs utilise actual OEM components and controls in order to look, feel and operate exactly like the real vehicle. Any vehicle from any OEM can be simulated, and the simulator cabs are interchangeable so that your entire ARFF and supporting vehicle fleet can be accommodated on a single simulator base unit, thereby maximising your training flexibility and return on investment.

Ultra-Realistic Experience

CYBERDRIVE ARFF simulators come standard with an electro-mechanical six-degree of freedom (6DOF) motion platform, providing ultra-realistic motion, at a level usually only seen in flight simulation. This is matched with additional effects systems, such as active steering feedback, full HD 360° laser projection and 5.1 surround-sound to completely immerse the operator in the training experience. In this manner, CYBERDRIVE ARFF Simulators ensure optimal retention of experiential learning.





Customised Virtual Airports and Scenarios

Simulated airports are customised to fully replicate your flight operations, aircraft ground movements and ancillary traffic so that simulator training scenarios are as realistic as possible. A wide range of aircraft, incident and fire types are available, which when placed in this rich, immersive virtual world, complete with variable wind and weather conditions, will challenge even the most experienced firefighters. Instructors can train vehicle crews independently or, if multiple simulators are available, as a full watch in networked, multi-player exercises.

Advanced Training Tools

CYBERDRIVE ARFF simulators feature an integrated suite of powerful and intuitive training tools, allowing instructors to create highly customised exercises. Operator behavior is monitored in real time, and automatically recorded and analysed for post-mission performance reporting. Additionally, real-time coaching is facilitated through an in-session situational visualisation and messaging system, whilst debriefing takes place around the dynamic 3D After-Action Review (AAR) system.



ThoroughTec Simulation is an international, ISO 9001 and 14001 company, dedicated to developing the world's most realistic, reliable and effective training simulators.

With 25 years experience producing hi-fidelity Full Mission Simulators, ThoroughTec offers a full suite of design, manufacturing and after-sales services.

Having successfully deployed more than 500 vehicle simulators around the world, ThoroughTec Simulation stands out as a uniquely focused, specialist supplier of driver-operator simulators for complex, high-risk and high-cost equipment.

Contact ThoroughTec today to see how CYBERDRIVE ARFF Simulators can change the way you train!

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