

MSE awarded train traffic control simulator contract

2011-10-03, MSE Weibull is pleased to announce the contract award of a train traffic control simulator, to be delivered to the Swedish Transport Administration.

MSE and the British company TRE (The Railway Engineering Company Ltd.) have teamed up to develop and deliver a high fidelity train traffic control simulator. The simulator replicates the functionality of the train traffic control system, where performance characteristics for each train and track topology, such as gradients, signal sighting and line speed restrictions will be presented in a real-life manner to the students. The instructor can control all aspects of preparation, execution and evaluation of the training from the assessors work station.

The simulator system consists of three main groups; the assessor workstation, the dispatcher work station and the simulation server. They are all linked over network. The system is configured to match the real workstation in all possible respects, ranging from physical dimensions and ergonomic characteristics through the individual functionality of all controls and equipment – including sounds.



Example of previous simulator installation

The implementation of high fidelity simulators is an effective means of training for critical tasks. It enables the best after-action review tools, as all activities are recorded during the training session. Based on the

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recordings, objective evaluation of the lessons is easily performed. Also potentially dangerous and seldom occurring situations can be simulated and therefore trained in a safe manner, over and over again. The students who have undergone simulated training will be prepared for the work better than ever.

MSE Weibull AB, the training equipment specialist, is a company based in the southern part of Sweden, having a long tradition of finding new solutions and integrating complex systems. For almost 60 years MSE Weibull has been working together with civilian and military organisations to develop and produce training equipment and simulators of the highest quality and fidelity. Among others, MSE provides train driver and train traffic control simulators, as well as advanced driving trainers for road bound vehicles, e.g. police cars, ambulances, trucks and busses.



Interior of truck driving simulator



Interior of high fidelity train driving simulator

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