

MEV – the international engine driver training centre and one of the leading companies for developing scenario based learnings with simulators – has developed an innovative solution for self-directed scenario based learning on virtual simulators together with its partner Corys. Now participants can train on their simulators anywhere at any time.

The presentation about this innovative approach at the UIC 2017 will cover the following topics:

- The Self-directed Scenario Based Learning Method
- Combining traditional and cloud based simulators
- Experiences with Scenario Based Learning in the classroom
- The limits of Cloud simulation

MEV has been successfully using simulators with its participants for over 10 years. These TRAXX range simulators are produced by Corys. To foster the learning process of the participants, MEV developed a Scenario Based Approach to train behavioural sequences and procedures for participants in various European countries. The Scenarios are shown on an additional screen and all necessary informations are programmed in computer based training lectures for self directed learning. This enables the instructor to use pre-programmed lessons and instructions and literally look the participants over the shoulder.

Now the MEV took this approach of Self-directed Scenario Based Learning one step further. The “traditional” simulators required participants to attend the centre in order to train on the simulator for a limited time. Simulator time still is the bottleneck of training. What if the participants want to practise more often or on an individual schedule or if they want do longer training units or even train outside the classrooms? MEV wanted to reinforce this motivation to learn individually, thereby overcoming limitations in terms of space and time. Also, MEV wanted to make the profession of engine driver more attractive to young people, especially with the use of new technologies.

The next step was to use the scenarios and all the pre-programmed instructions and computer based trainings and put them into the cloud to enable everybody with a mobile device to use the simulators and scenarios for their individual learning processes. Therefore MEV has started to develop the cloudbased solution together with Corys as a Preferred Development Partner.

The new platform-independent Cloud simulators are easy and quick to use, producing realistic, rapid and up-to-date country specific scenarios to work on covering training gaps or events on the track. This allows the engine driver to practise procedures and processes whenever he has the time. Using personal tablets, these exercises can be repeated as often as desired and a better learning result is achieved. The participants have access to a growing library with the widest variety of scenarios even for different countries.

This new development is also used in the classroom in order to demonstrate the subjects learned directly to candidates.

Visit the presentation to get more details about this groundbreaking innovative approach to engine driver training and some of the actual results of the last trainings.

„Feel the power of the CloudSimulation“

Use the I-Pads and experience life the big advantages in using CloudSimulation. Test the classroom solution using personal tablets and a Smartboard. Start small and think big. Use the same system to deliver your quick training demands via internet. Use the same high quality scenarios for the simulators at home. The biggest challenge was, that there is nobody who is controlling the trainees if they make mistakes. This is solved with the Self Controlled Scenario's (SCS). They control the scenarios and correct mistakes that are made during the ride.

Visit our workshop, try an ERTMS Level 2 scenario and when you are ready, we are available to answer all your questions about the ideas that suddenly popped up to you...