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## TRAIN DRIVER 5.0

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➤ **Elimination of potentially dangerous situations**

➤ Limiting the number of incidents and accidents

➤ Significant improvement in the quality of simulator training

➤ **Increased railway safety**

➤ Creating a positive safety culture

➤ Identifying training needs of employees

➤ **New approach in occupational medicine**

➤ Constant improvement of professional competences

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## DIAGNOSIS AND IMPROVEMENT INCLUDE:

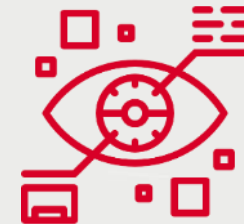
- Visual memory and attention
- Reaction time
- Spatial orientation
- Stress and frustration tolerance
- Eye-hand orientation
- Speed orientation



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DIAGNOSTICS AND TRAINING SYSTEM FOR TRAIN DRIVERS

- The program consists of an individual research and training of its weakest characteristics directed at the possibilities and needs of each employee
- The tests include measurements and tests performed by qualified psychologists, using an eyetracker and other methods
- Training consists in practicing individual features aimed at improving the results and increasing the level of safety and compliance with procedures in the environment of an employee participating in the program



SHIFT 2 RAIL TOPIC: S2R-OC-IPX-01-2019:  
Artificial Intelligence (A.I.) for the railway sector

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DIAGNOSTICS AND TRAINING SYSTEM FOR TRAIN DRIVERS

## EFFECTS OF IMPLEMENTING THE PROGRAM:

- Expected results (improvement by 30% - 70% of behavioral indicators).
- Reducing by 80 % of accidents and incidents risk
- Effective use of time for training (lot more than classic trainings)
- Intensive improvement of employees' qualifications
- Increase the level of safety culture
- The possibility of extending the program to other professions (air traffic controller, army, etc.)



PRESENTATION DURING INNOTRANS 2018:  
INTEREST FROM ALL OVER THE WORLD

