



# VRT-200-2

## Weighing system for diagnostic and monitoring of railway transport in motion

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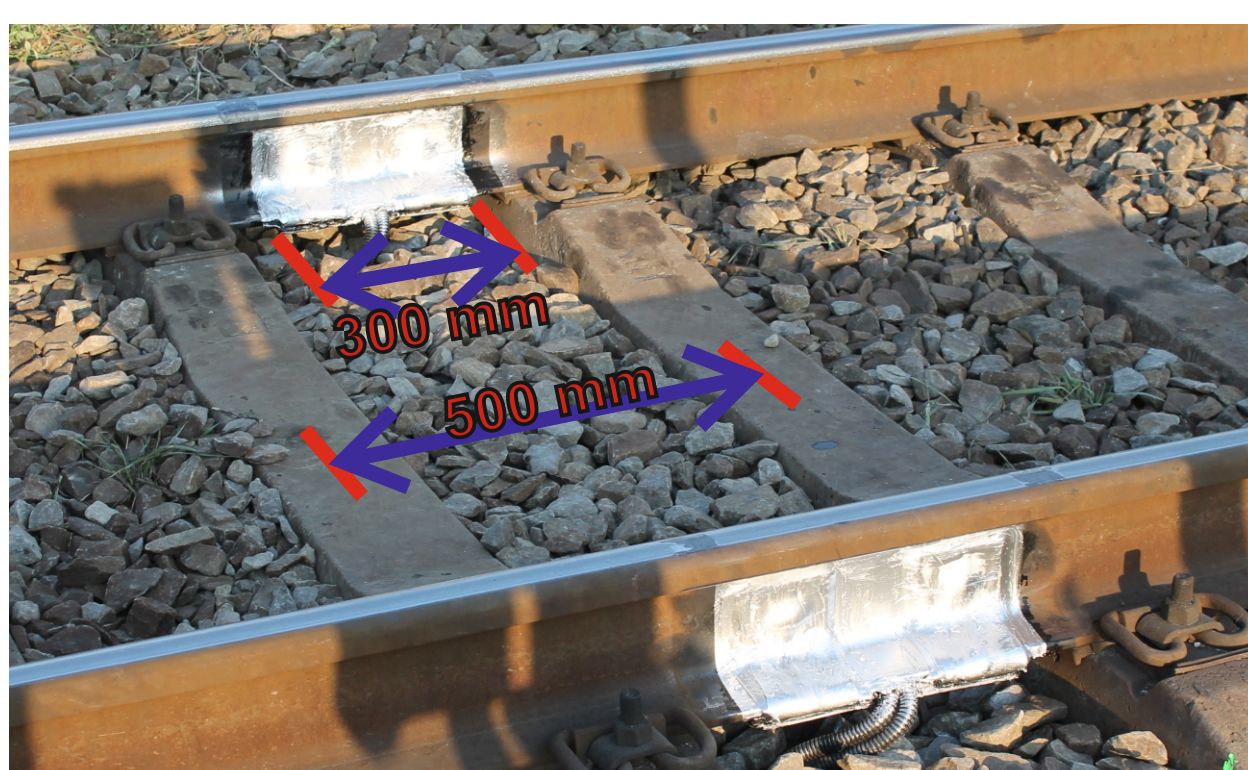
The System **is developed** for diagnostic and for-wheel weight control of railway transport in motion, subway, facilities of various industry branches and transport (identifying wagons with overload, load-imbalance, defect determination, etc.)

It **combines** patented design of rail deformation sensor and original solution for the location of electronic components of the system under rail foot, as well as number of software complexes for using

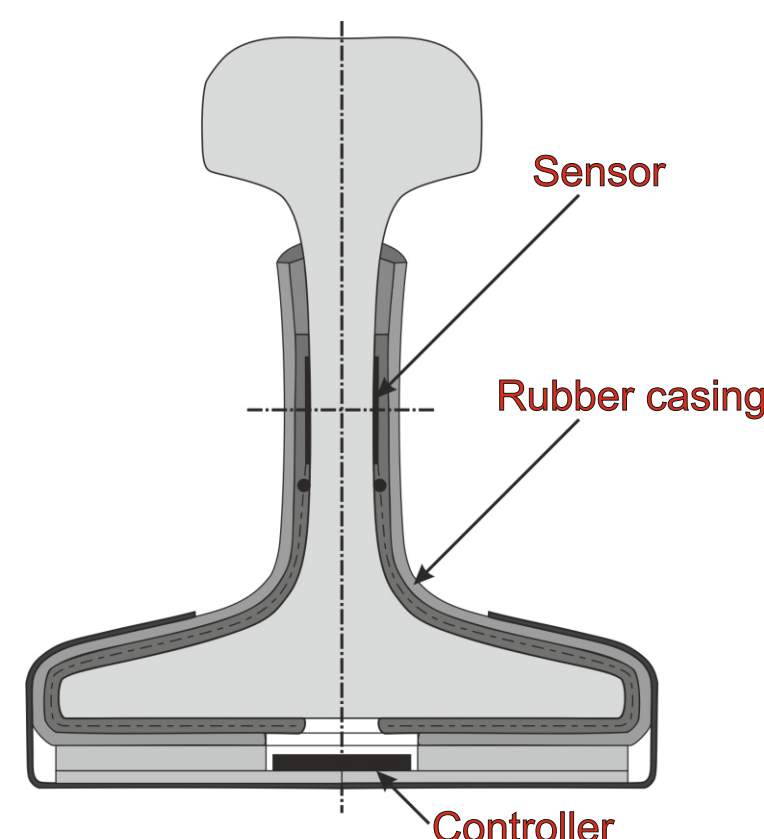
The System **is designed** on the basis of many years of experience for development of force measuring systems and with the use of modern finite element method computer packages

**Allows** to reduce total cost by 2-3 times, total weight by 25 times, difficulties during installation process to zero with respect to the existing analogs, as well as increases traffic safety for movement through the measuring spot. The installation performs on the original rails without any changing's in railway construction and stopping the movement

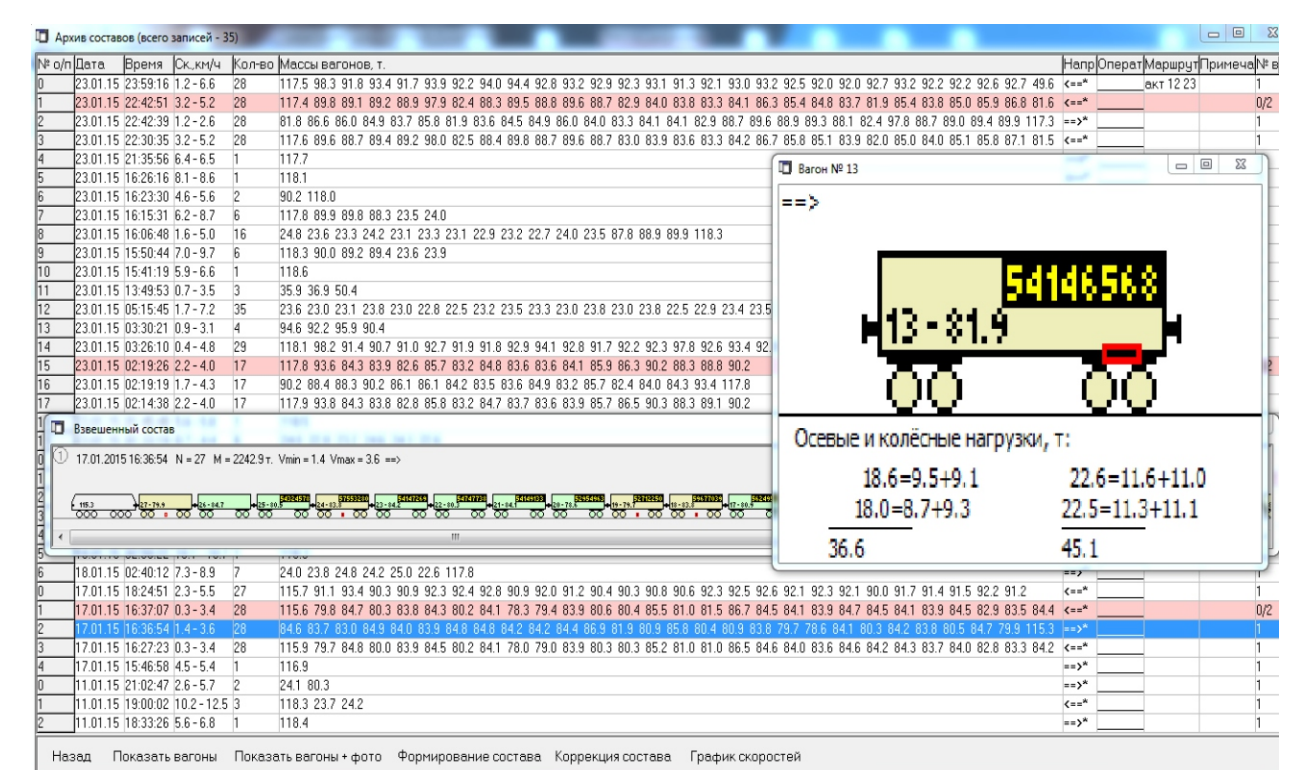
The System **is protected** by patents of the Russian Federation and successfully used in 7 weight control spots



View of the System



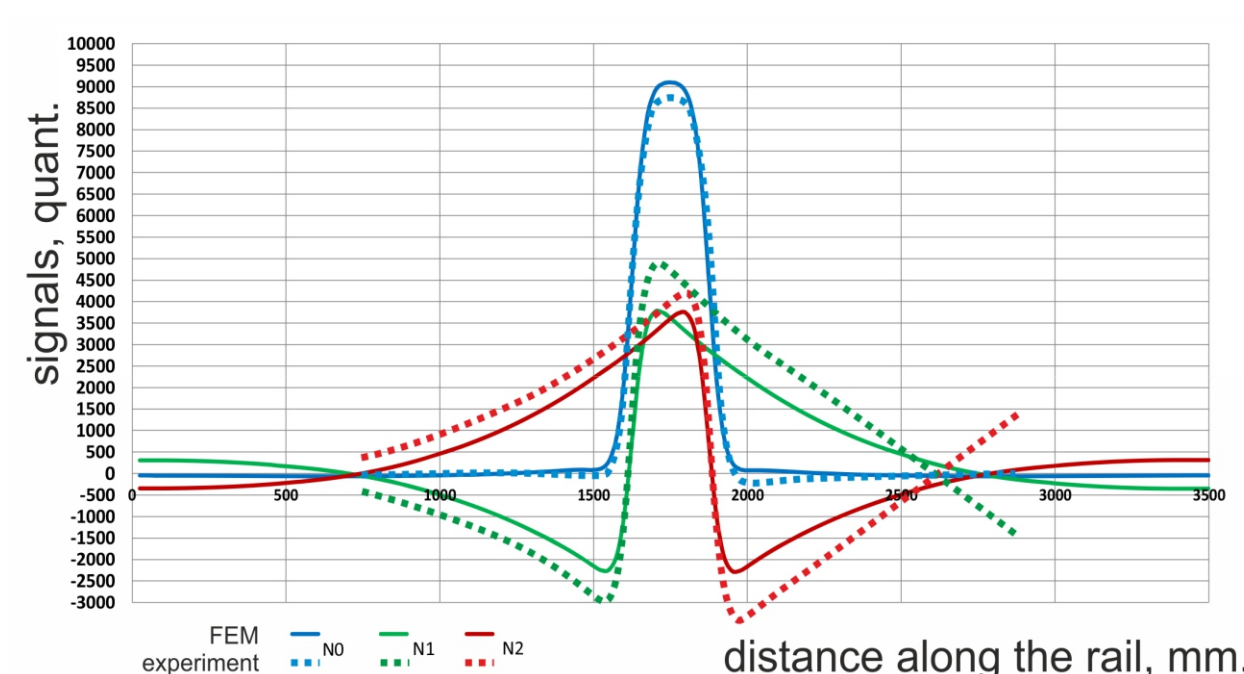
The System design



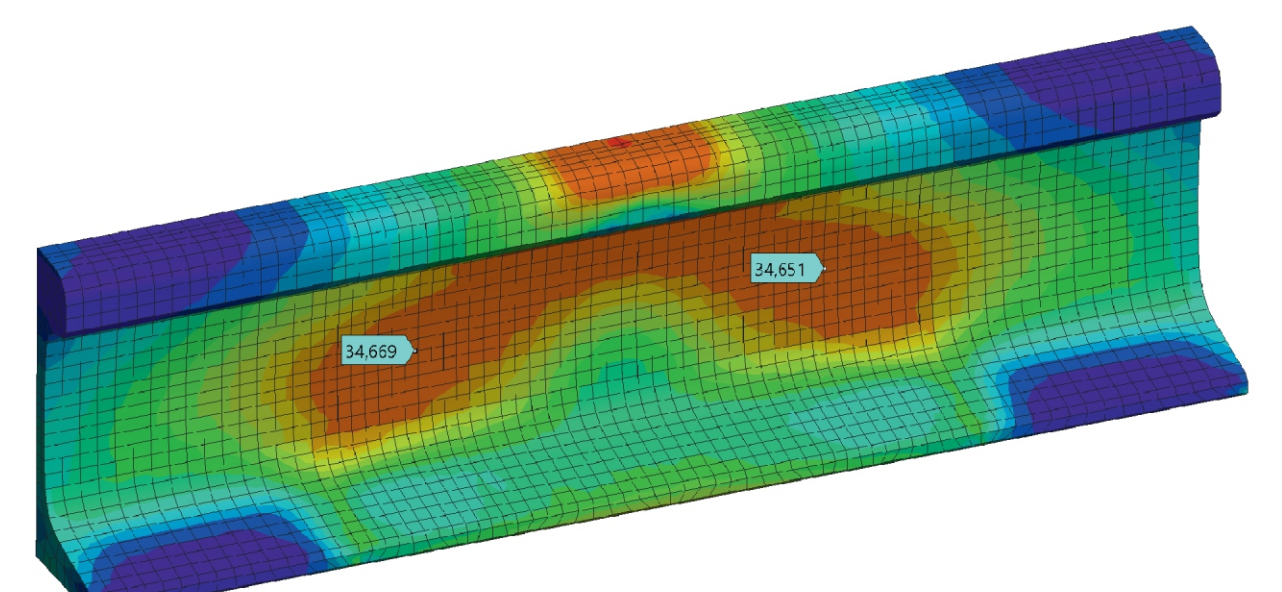
View of software



Detailed view



Comparison of simulation and real data



FEM simulation