

Health and safety

In 2018, Russian Railways joined Vision Zero, a global campaign seeking to completely reshape corporate approaches to health and safety management. This strategy requires actors at all levels, from executives to employees, to act with awareness in order to prevent any work-related accidents.

The reporting year saw the following reductions in workplace injuries across the Company vs the previous year:

- › overall injury rate (total number of injuries) down by 7.7 % (from 182 to 168 employees);
- › fatal injury rate (number of fatal injuries) down by 19.2 % (from 26 to 21 employees);
- › severe injury rate (number of severe injuries) flat y-o-y at 51 employees.

The workplace injury frequency rate dropped as follows:

- › overall workplace injury frequency rate (number of injuries per 1,000 workers) down by 6.8% (from 0.251 to 0.234);
- › fatal injury frequency rate (number of fatal injuries per 1,000 workers) down by 19.4 % (from 0.036 to 0.029).

Key health and safety indicators

Indicator	2014	2015	2016	2017	2018
Health and safety improvement expenses, RUB m	16,330.0	18,593.5	18,715.5	20,121.1	22,596.1
Workplace injury frequency rate (number of injuries per 1,000 employees)	0.34	0.29	0.30	0.25	0.23
Number of workplaces with hazardous working conditions, thousand	131	105	95	88	84
Improved working conditions, thousand workplaces	33	23	32	37	41

The Company has fully implemented its risk-oriented approach, which provides for automated measurement of professional risks. The outcomes serve as a basis for managerial decision-making and health and

safety improvements. On top of that, the Company has approved a Comprehensive Health and Safety Improvement Programme for 2018–2020 reliant on the risk-oriented approach.

In 2018, Russian Railways spent a total of RUB 22.6 bn on health and safety improvement initiatives. More than 47,000 Company's employees took associated mandatory training with a subsequent knowledge check at education centres.

Environmental protection

Russian Railways is a major natural resource user operating in 77 regions of Russia.

In line with the government's environmental priorities, Russian Railways' efforts are focused on improving environmental safety, ensuring rational use of resources and preserving natural systems.

In 2018, Russian Railways had over RUB 8 bn budgeted for key environmental initiatives, with RUB 5.27 bn allocated for investments. The initiatives included:

- › upgrade of ca. 22 heat supply utilities using resource saving solutions;
- › construction and upgrade of nine treatment facilities for industrial, utility and sanitary effluents using best available technologies;

- › liquidation of 12 sites of accumulated environmental damage;
- › continued renovation of an industrial landfill.

As part of Russia's obligations under the Stockholm Convention, Russian Railways, the Ministry of Natural Resources and Environment, and UNIDO Centre for Industrial Cooperation are running