

The  
AutoLog<sup>®</sup>  
Family  
presents



## AutoLog<sup>®</sup> Success Story



We've got it under control  
Sophisticated Control Technology

Russian Railways, AutoLog<sup>®</sup> RTUs



FF-AUTOMATION OY

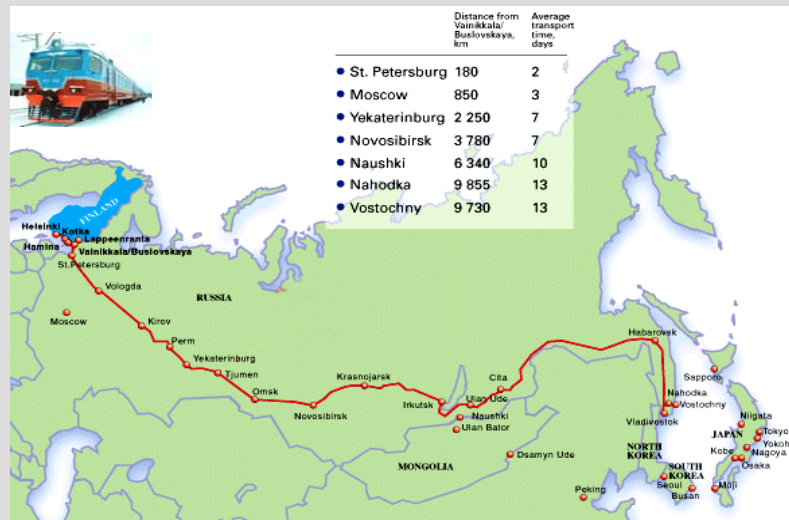


## Description

Russian Railways uses about 1500 pcs AutoLog® RTUs in railway's supply transformer supervision. RTUs are located between St. Petersburg -Helsinki, St. Petersburg - Murmansk and St. Petersburg - Vladivostok railways.

Central Control room is located in St. Petersburg.

Total I/O count is about 50.000.



The project was carried out with FF-AUTOMATION Oy's System Integrator in St. Petersburg VAMI Engineering and NIFA Institut.

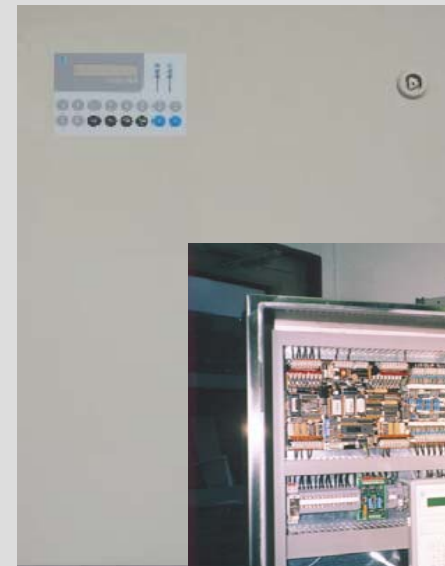


## Controlling needs

AutoLog® RTU is monitoring and controlling the the load in the supply transformer station. More power is supplied when required.

The data is collected to Main control room using Modbus RTU. Parameters can be set and measurement data can be viewed in trends and reports.

One transformer station has typically 16-32DI, 16DO, 6AI and 1 AO. Measurements are RMS currents/voltages, powers, loads etc.



Transformer stations are located about every 50 km distances.



### Delivered equipment

First AutoLog® RTUs were delivered in 1995. Today 2004 the system consisted over 1500 AutoLog® RTUs and about 50.000 I/Os.

Customer has been satisfied with the reliability of AutoLog® RTUs in very cold (- 40°C) and electrically interferenced environmental conditions.





For more information about  
FF-Automation and the  
AutoLog® range of control  
products and automation  
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