

## Sea port of Saint-Petersburg avoids the replacement of \$50,000 worth of engines by using a simple 10 min treatment

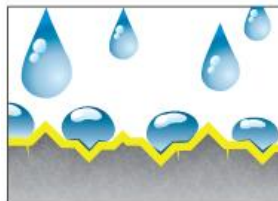
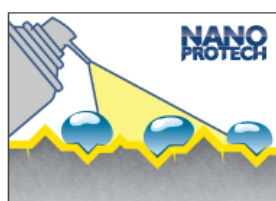
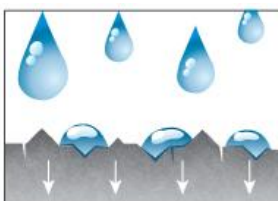
Sea Port of Saint Petersburg works round the clock 365 days a year, which given the sophistication and variety of services provided, involves multilayer complex scheduling. In such an environment any electrical equipment malfunction or breakage can cause financial damage heavily exceeding the price of the equipment itself. As a result, regular tests and early replacement of equipment, aimed to avoid unplanned interruptions in work, is a significant expenditure line in the financial reporting of the company.

Nanoprotech spray enables the Sea port of Saint Petersburg to eliminate engine malfunctions caused by short circuiting and corrosion (representing over 90% of overall reasons for work interruptions) within 30 minutes, on-site, without the involvement of senior engineers.

Nanoprotech's fast effect and simplicity of use makes it possible to extend the maintenance and replacement periods for electrical equipment and bring hundreds of thousands of dollars in respective savings.



About Sea Port of Saint Petersburg:  
Sea Port of Saint Petersburg is the largest operator handling cargo or transportation means in the North-West of Russia. The port handles all types of cargo, and has a well-developed infrastructure of railway lines, crane rails, fuelling stations and car terminals. The dry cargo handling is carried out both by machines and manual labour. The efficiency and reliability of the process is of highest priority to the company.



## Facts about Sea Port of Saint Petersburg:

- The largest industrial and transport centre of Russia; the most important link between the East and the West.
- In 2010 the company handled over 6.9 million tons of cargo.
- The share of the company in the total turnover of the Greater Port of Saint Petersburg is approximately 12%.
- The Port is equipped with 56 gantry cranes (capacity from 5 to 40 tons), floating crane “Bogatyr” (capacity 300 tons), mobile cranes (capacity 40 and 55 tons), and 258 lift-trucks from leading world manufacturers (capacity from 1.5 to 42 tons).
- The company has 28 berths (total length 4815 meters) and can accommodate vessels with draft up to 11 m.
- The number of employees of the entire group is over two thousand people.



\*See [Tech report №1512](#) for test results

