

NIKOMAX Structured Cabling System (SCS) in Saint Petersburg Stadium



NIKOMAX SCS had been successfully implemented during the construction of Saint Petersburg Stadium, also called Zenit Arena - one of the largest stadiums in Russia. Ivan Kuzmenko, the Head of NIKOMAX Representative office in Saint Petersburg, shared the details about the project's deployment.

Partner

The group of companies, OHRANA is one of the market leaders in Integrated Security Systems in Russia, which has been working in this field for more than 20 years. The company started out as an installer for the department of the Ministry of Medium Machine Building in March 1993. OHRANA is a qualified and certified installer of NIKOMAX SCS, participated in various projects' implementation, including being appointed as the sub-contractors for Saint Petersburg Stadium project.

End Customer

Initially, Saint Petersburg Administration Committee for Construction was in charge of the Stadium with the intention to transfer the ownership to FC Zenit. FC Zenit is a Russian football club from Saint Petersburg. Founded in 1925, the club plays in the Russian Premier League. Zenit was the six-time champions of the Russian Premier League and the winner of both UEFA Cup (2007-2008) and UEFA Super Cup (2008).

Challenge

The customer required an SCS that could be implemented within the previously approved budget, but at the same time meet all the requirements that were specified at the final design stage.

Solution

Providing both an environment for comfortable sports and cultural events and the safety of the Stadium visitors were the main objectives in deploying this project. To achieve it, the NIKOMAX project team has come to the following decision: design and installation of the cable infrastructure (NIKOMAX SCS) have to follow strictly accordance with security systems, alerts, and fire alarm subsystems simultaneous integration.

Result

NIKOMAX SCS deployment at the Saint Petersburg Stadium was implemented within a very tight schedule. 80% of the goods were shipped within 6 weeks, and the remaining 20% was also delivered way before the deadline. In addition, the NIKOMAX project team managed to integrate the new equipment smoothly into the existing mounted equipment.

Success Story: Sports Stadium

Everything should be changed

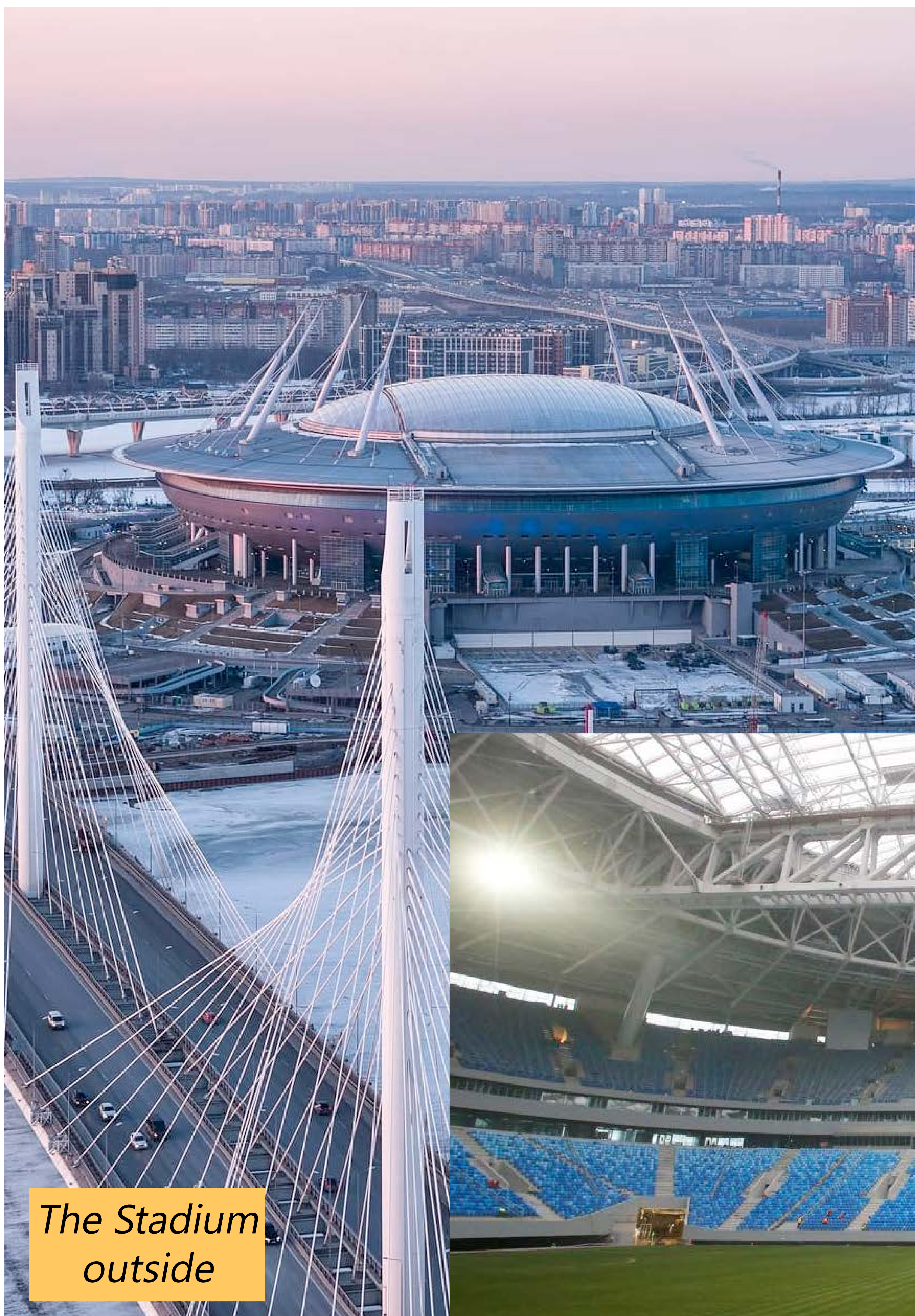
NIKOMAX started to get involved in this long-term project in 2015. The Stadium had consistently been over-budgeted; therefore, it was impossible to continue the work based on the initial project plan. The estimated cost of proposed equipment from other brands exceeded the budget allocated to the preparations for the 2018 FIFA World Cup. This opened up an opportunity for NIKOMAX as a vendor to join the project and show its expertise. The NIKOMAX team studied the specification and proposed required equipment that was able to keep within the allocated budget without compromising on the quality and complied with all the international standards.

Why NIKOMAX?



«I would like to admit that during the equipment installation everything worked perfectly well: TLK cabinets have a good and comprehensive design; SCS elements are convenient to seal and assemble; consistently high quality of all components. FT-TOOL is secure and convenient tool as its application significantly helped to reduce the installation time. Furthermore, NIKOMAX SCS training courses allow you to excel in Structured Cabling System, able to design a more efficient network that will pass the required tests in the first attempt.»

— *Ivan Chudenko, chief design officer of SCS department, GC "OHRANA"*



The Stadium outside



Work in progress



Inside the Stadium

NIKOMAX products deployed in this project:

- NKL 9140C-OR Cable, Cat.6
- Modular patch panels, Cat.6
- Wall outlets, Cat.6
- Patch Cords of different lengths, Cat.6
- Keystone Modules, Cat.6 with the modification of rapid termination using special tool NMC-FT-TOOL
- Server cabinets 47U in dimensions 800x1000mm from the TLK flagship series
- A complete set of accessories: power outlet strips and lighting modules, shelves, grounding busbars, etc.



New attendance record: 62 548 spectators in Saint Petersburg Stadium during the FIFA match in June, 2018.



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Now the project is completed, and the Stadium is more than ready for the 2018 FIFA World Cup. NIKOMAX project team helped to resolve the crucial issue in record time. It is a large project, and, we will continue with Stadium's reconstruction for FC's Zenit future needs. It's a pleasure to make such great contribution to one of the most significant projects of our city and country.

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*— Ivan Kuzmenko, the head of NIKOMAX
Representative office in Saint Petersburg*