Managing processes. Creating value.
in the Russian market since 1998
Since 1998 we have been managing processes and creating value in construction and investment projects of our Clients.

Spectrum is a multidisciplinary engineering group of companies, team of project managers, consultants, architects, engineers and specialists for communication with state authorities.

We create and develop innovative technologies to provide effective and relevant assets in industry, infrastructure, commercial and residential properties.

Over the last 20 years we have been combining the creativity of the Russian engineering schools with PM global standards to manage the entire building cycle for the benefits of our Clients.
Over the 20 years we have been combining creativity of the Russian Engineering school with PM global standards
Projects management  
*and full complex of engineering expertise*

Basic competency of Spectrum since its foundation in 1998 was Project Management.

<table>
<thead>
<tr>
<th>5</th>
<th>350</th>
<th>2</th>
<th>8</th>
</tr>
</thead>
<tbody>
<tr>
<td>business lines</td>
<td>people in team</td>
<td>offices in Moscow and St. Petersburg</td>
<td>remote offices on construction sites throughout Russia</td>
</tr>
</tbody>
</table>

As a Project Manager Spectrum has always understood the requisite level and quality of the professional engineering services. Thus we created our Products/Business lines as user-friendly practical solutions for our Clients.

- Projects management & Technical Client
- Construction management
- Consulting
- Design
- Facility management
Processes management and interdisciplinary approach during the entire project life cycle
Interdisciplinary approach allows to accompany investment project during its entire life cycle.
Matrix structure in combination with information interface for joint work creates a synergetic effect and allows for the execution of any project irrespective its scale and complexity.

- Project teams are made up of different functional groups and prospectively – different business-lines
- Effective interaction and cross pollination of experiences inside the team
- Uniform quality management system
- Involvement of expert design engineers, builders or consultants of Spectrum in difficult situations to get “the second opinion”
- Analysis of the project results – conclusions and materials for knowledge base and transfer
- Uniform standards and methods of management

In 2011 Spectrum introduced the matrix system to the company’s organization.
Vast experience in practice

More than 600 projects in 40 cities and in all federal districts of Russia
Accumulated stable expertise
in growing market sectors

<table>
<thead>
<tr>
<th>TRANSPORT INFRASTRUCTURE</th>
<th>COMMERCIAL REAL ESTATE</th>
<th>INDUSTRIAL FACILITIES AND PARKS</th>
<th>PPP PROJECTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>23 airports and airport terminals</td>
<td>200 multifunctional centers and retail objects</td>
<td>34 plants</td>
<td>3 projects</td>
</tr>
<tr>
<td>378 km projects of roads with Spectrum participation</td>
<td>40 business-centers</td>
<td>30 logistics parks and warehouse complexes</td>
<td></td>
</tr>
</tbody>
</table>
Spectrum is an independent supplier of effective engineering solutions
Projects
by market sectors in 2016

We create and develop effective and relevant assets in industry, infrastructure and commercial properties.

840 billion rubles

total cost of the projects successfully commissioned during 20 years of our work

70 projects in 2016

in 2016 more than 70 contracts were implemented for the amount of 1 billion rubles

- 6% Infrastructure
- 48% Industrial facilities
- 19% Business parks and offices
- 12% Social facilities and residential
- 11% Mixed-use and retail
- 4% Logistics
Technologies and innovations

In the 21st century the global industry of architecture, engineering and construction is experiencing a technological transformation.

Technology for us, means a lot more than just another automation tool for project management and design, storage and use of knowledge.

Spectrum is developing innovative technologies to save resources and enhance performance. We encourage and facilitate creative thinking by our engineers to search and develop effective solutions.

<table>
<thead>
<tr>
<th>Year</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2008</td>
<td>All-company uniform information platform</td>
</tr>
<tr>
<td>2009</td>
<td>Start using BIM-technology</td>
</tr>
<tr>
<td>2012</td>
<td>ERP projects management system</td>
</tr>
<tr>
<td>2014</td>
<td>Creation of Spectrum R&amp;D. Smart modeling of dynamical impacts in design</td>
</tr>
<tr>
<td>2014</td>
<td>Use of cloud system for construction management on all Spectrum construction</td>
</tr>
<tr>
<td>2016</td>
<td>Development of a new product: Projects budget assessment using BIM-models</td>
</tr>
<tr>
<td>2017</td>
<td>Development of a uniform information platform for joint work of design teams in BIM-models from several geographically distant offices</td>
</tr>
</tbody>
</table>
Today Spectrum is leading up to 10 internal projects of new technologies and products development
Our Clients

Today the Spectrum Clients are more than 200 major domestic and international companies.
CONTACTS

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