LENGIPROTRANS

Creating transport perspectives

Key port infrastructure projects

JANUARY, 2017

ABOUT THE COMPANY

Company profile

Joint-stock company services for the transport industry surveying design engineering Lengiprotrans is one of the largest design organizations in Russia, which has more than 80 years of experience in the field of engineering research and complex designing of transport infrastructure.

The main activity of the company is to carry out a full range of design and survey works for construction, reconstruction, modernization and thorough overhaul of railways, roads and transport infrastructure.

The company has a unique experience in designing of the roadbed and buildings in the permafrost zone, as well as in a variety of climatic and geotechnical conditions including areas of high seismic activity.

Upon the projects of Lengiprotrans were built more than 25 000 km of railways, more than 2 000 km of roads, electrified more than 15 000 km of railways, thousands of bridges and overpasses, facilities of the locomotive and rolling stocks. Moreover, Lengiprotrans designed more than 100 stations, approach lines to the major metallurgical, coal, oil and gas fields, equipped railroad approaches to 5 seaports on the Gulf of Finland, to the port of Novorossiysk, Taman and other.

85

years of experience

15 000

km of railways were electrified

>100

railway stations were designed

>900

employees

25 000

km of railways were designed

Lengiprotrans conducts its projects in all the Russian regions. Also company has working experience in foreign contries: facilities built by Lengiprotrans are presented in the Baltics, Kazakhstan, Turkey, Syria and Libya.

Company performs full range of design and survey works for the objects of transport infrastructure – from development of transport master plans to preparation of working documentation for construction and reconstruction of transport infrastructure, such as:

- railways and roads;
- bridges, overpasses, transport junctions, stations and other engineering structures;
- external railway approaches and driveways for plants, deposits and ports;
- electrification for railroads;
- power supply systems, signaling, centralization and blocking systems, communication and data transmission systems;
- water supply, sewerage and heating.

Our history

2011-2016 THE PRESENT

The total market of design and survey work for Russian railway industry is amounted 40 billion rubles in 2014. The share of Lengiprotrans is about 10%. At the end of 2015 Lengiprotrans occupies strong market positions.

2001-2010 BEGINNING OF THE NEW CENTURY

For the first 5 years the volume of work of the company has grown in 2,7 times. By 2005 Lengiprotrans has become the largest design and survey organizations in the field of railway engineering in Russia.

1991-2000 TRANSITION

Construction of railroads reduced dramatically. At the same time the active development of mineral deposits, requiring maintenance of railway approaches has began.

1971-1990 OPEN UP THE NEW REGIONS

In the mid-70s the country worked on its economic development of new territories. Lengiprotrans carried out its main projects in three regions: Eastern Siberia – Baikal-Amur Mainline, Western Siberia – approach lines to the gas condensate fields, Kazakhstan – approach lines to the coal fields.

1946-1970 RECOVERY AFTER THE WAR DISASTER

In the post-war years Lengiprotrans was engaged in restoration of the railway facilities. The total length of railways which were designed in this period exceeded 3 000 km.

1941-1945 DURING THE WAR

The work was focused on designing the front-line roads and defense facilities. The institute took part in the surveys and construction of the railway Lake Ladoga – Voybokalo ("The Road of Life").

1936-1940 BEFORE THE WAR

The main projects include designing the new railways in the North-West and the Far East. Their total length exceeded 7 000 km.

1935 THE BEGINNING

Lengiprotrans (until 1951 – Lentransproekt) was established in 1935 by order of the People's Commissariat for Lines of Communications on the basis of its design organizations.

Quality standards

Experience and tradition, using of multi-variant design and modern research methods, proficiency of engineering and technical personnel, provide high quality projects.


СИСТЕМА СЕРТИФИКАЦИИ РУССКОГО РЕГИСТРА
RUSSIAN REGISTER CERTIFICATION SYSTEM

СЕРТИФИКАТ

ISO 14001:2004

ISO 14000 Environmental management


СИСТЕМА СЕРТИФИКАЦИИ РУССКОГО РЕГИСТРА
RUSSIAN REGISTER CERTIFICATION SYSTEM

СЕРТИФИКАТ

ISO 9001:2008

ISO 9001 Quality management systems


СИСТЕМА СЕРТИФИКАЦИИ РУССКОГО РЕГИСТРА
RUSSIAN REGISTER CERTIFICATION SYSTEM

СЕРТИФИКАТ

OHSAS 18001:2007

OHSAS 18001 Occupational Health and Safety Management Systems


СЕРТИФИКАТ

ГОСТ Р 66.1.02-2015


СЕРТИФИКАТ

ГОСТ Р 66.1.01-2015

Evaluation of experience and goodwill in accordance with the requirements of GOST R 66.1.01-2015

High quality of the projects has been confirmed by the favourable conclusion of domestic and foreign economic and technical expertise, operational integrity of constructed facilities.

To ensure the high quality Lengiprotrans provides continuous improvement of the integrated management system.

KEY PORT INFRASTRUCTURE PROJECTS

Projects worldwide

Ports in the Leningrad region and Saint Petersburg designed and developed by Lengiprotrans

Ports in the Russian Federation and foreign countries designed and developed by Lengiprotrans

>1000

km of the railway approaches to ports were designed

Development of the Ust-Luga Multimodal Complex

Ust-Luga Multimodal Complex is one of the largest facilities of the Leningrad region. The aim of this investment project is ensuring the delivery of goods by railways to the commercial seaport of Ust-Luga on the southern shore of the Gulf of Finland in the Luga Bay.

In 2017 Lengiprotrans completed the development of design documentation for the planned development of Ust-Luga railway junction thereby providing the opportunity to carry out cargo transshipment up to 90 million tons by 2020. Between 2003 and 2015 the port cargo turnover increased from 0.3 to 58 tons.

Luzhskaya-Sortirovochnaya is the first classification yard created in Russia over the past 45 years. It is fitted out with modern domestic and imported equipment, which automates the technological processes of the station . The infrastructure of the station includes processing, reorganization of the composition of trains and maintenance of locomotives, locomotive crews stay.

Lengiprotrans has been general design contractor for this project since 2002.

Railway approaches to Multifunctional Sea Cargo Complex Bronka

The port Bronka is located on the coast of the Gulf of Finland to the south of Kronstadt in the area of protective dike.

In the future, a new container port terminal will have a carrying capacity of 1.9 million TEU.

Also there will be a logistics center and terminal for transshipment rolling cargo capacity of 260 000 units. Multifunctional Sea Cargo Complex Bronka has strategic importance for development transport and port infrastructure in Russia and St. Petersburg in particular.

Engineering research and design work on reconstruction of the following station: Srednerogatskaya, Ligovo, and Bronka was performed in 2016.

Electrification of Predportovaya – Ligovo haul was carried out. Moreover, traction power supply in the area of container trains pass was increased.

Development of Taman dry-cargo seaport

Dry-cargo seaport of Taman is one of the greatest national infrastructure projects.

Taman port will provide direct access to international trade routes through the Black Sea and the Mediterranean Sea for delivering of goods to Western Europe, North Africa, the Middle East and the Asia-Pacific region. As a result, seaport of Taman contributes to the development of international maritime links with the Russian Federation.

After the completion of all the infrastructure and facilities will be provided with reliable rail connections with the peninsula of Crimea. Taman will be the largest dry cargo port on the Black sea. The capacity of the port will exceed up to 100 million tons.

Designed transports infrastructure involves ccontainer transshipment facilities for coal, mineral fertilizers and sulphur, iron ore, steel, grain and other goods.

Lengiprotrans is carrying out the development of the Taman-Passenger station, intended for the transit of the passenger and cargo trains in the direction of the Crimean Peninsula with the change of traction mode. Also Lengoprotrans has performed pre-FEED on the sorting yard of the Port. In 2016 design documentation issued by Lengiprotrans successfully passed the price and technology audit.

CONTACT INFORMATION

Joint-stock company
services for the transport industry
surveying design engineering
Lengiprotrans

143, Moskovsky pr., St.-Petersburg,
196105, Russia
Tel. +7 (812) 200 15 20
Fax +7 (812) 327 15 20
E-mail: mark@lgt.ru