SST GROUP

REFERENCE LIST

SUCCESS STORIES

SST Group, founded in 1991, is one of the largest global providers of residential and commercial heating cable solutions and industrial heat tracing systems.

SST Group employs over 1 500 specialists, owns four production plants in Moscow region, an R&D center, an engineering company, several distribution companies, and an international branch network, exporting products and solutions to over 60 countries worldwide.

To date, SST Group has produced 1.5 million kilometers of heating cables, 13.8 million electrical heating systems and over 5.5 million units of thermal control equipment. More than 25 000 km of industrial pipelines are heat traced by our systems including Total, Mitsui Chemicals, Dragon Oil, Vopak Horizon, ERIELL, Gazprom, ILIM group, Polyus, LUKOIL, Rosneft, Bashneft, Tatneft, Transneft, ALROSA and many other companies.

Our systems are integrated into the majority of large cities' infrastructures. They are installed in thousands of buildings, including those of particular national significance: the Bolshoi Theatre, the State Duma of the Russian Federation, the State Historical Museum, Moscow City Business Center and many other sites.

SST Group products are certified in accordance with international standards by VDE, SGS, Demko, NANIO CCVE, International Electrotechnical Commission as suitable for use in explosive environments (IECEx, ATEX, VDE certificates).

COMPANIES THAT TRUST US

INTERNATIONAL PROJECTS

Kumho Mitsui Chemicals Plant

Kumho Mitsui Chemicals, Inc. is a joint venture between Japan's Mitsui Chemicals and South Korea's Kumho Petrochemical. In 2007 Kumho Mitsui Chemicals started the capacity doubling project of its Yeosu factory in South Jeolla Province, South Korea, to manufacture an additional 70 000 MT of methylene diphenyl diisocyanate (MDI). MDI is a core material in polyurethane, which is used in many products because of its resilience and rubber and plastic properties. SST Group provided a 15 000 m long heating system based on skin-effect.

Customer	Kumho Mitsui Chemicals, Inc.
Year	2009
Location	Korea
Total length heated	15 000 m
Total system output	488 kW
Number of feeding points	2
Pipe diameter	159 mm
Maintenance temperature	+20 °C
Transported product	Nitrobenzol

Vopak Horizon Fujairah Limited Oil Storage Terminal

Vopak Horizon Fujairah Limited, established in 1998, caters to safely blending, break-bulk and consolidation of petroleum products and crude oil. Strategically located at the mouth of the Strait of Hormuz on the eastern side of United Arab Emirates (UAE) outside the Gulf, Vopak Horizon Fujairah is the leading storage and handling service provider for petroleum products in Fujairah. The storage capacity of the terminal is about 2.6 million cubic meters. The site is equipped with heating system based on skin-effect produced by SST Group.

Customer	Vopak Horizon Fujairah Limited
Year	2012
Location	UAE
Total length heated	5 241 m
Total system output	313 kW
Number of feeding points	3
Pipes diameter	508 and 610 mm
Maintenance temperature	+60 °C
Transported products	Fuel oil, crude oil

Kumkol Oil Field

Discovered in 2008, Kumkol oil field is one of the 15 main fields of oil and gas in Kazakhstan. It is located in Kyzylorda Province. The oil field is operated and owned by Turgai Petroleum, a joint venture of LUKOIL and PetroKazakhstan Inc. The total proven reserves of the Kumkol oil field are around 300 million barrels and production capacity is 78 000 barrels per day.

SST Group provided more than 10 km of self-regulating heating cables.

Customer	Turgai Petroleum
Year	2001–2007
Location	Kazakhstan
Total cable length	10 000 m
Total systems output	500 kW

Heating Systems Application:

- Gas metering stations
- Gas pipelines
- Booster pump stations
- Tanks
- Central jack plants

Ivatsevichdrev Wood Particleboards Plant

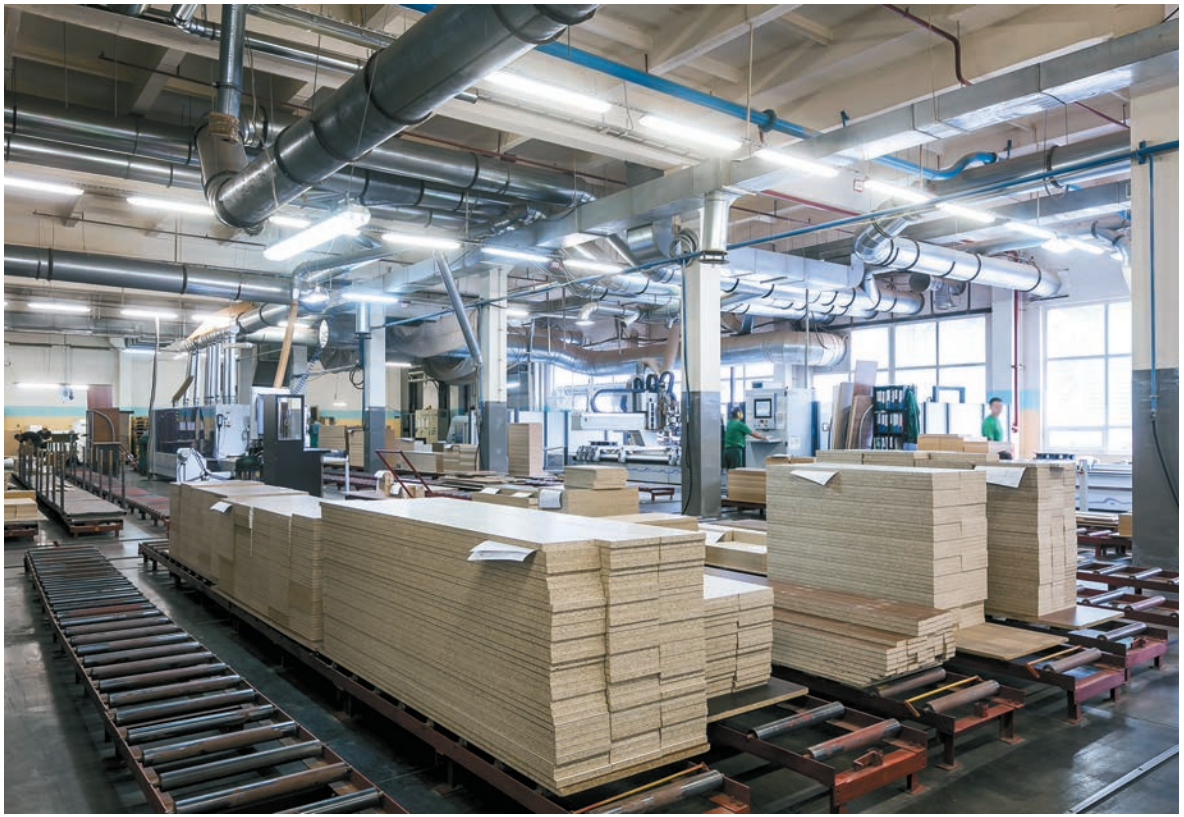
Ivatsevichdrev is a major Belarusian manufacturer of wood particleboards that uses advanced technologies for wood panel boards production, paying special attention to eco-sustainability and cost-effective use of resources. The manufacturing capacity of the enterprise is 250 thousand cubic meters per year.

SST Group was responsible for project design and supply of electric heating systems and roof de-icing system.

Customer	Ivatsevichdrev
Year	2011
Location	Belarus
Total cable length	4 150 m
Total systems output	170 kW

Heating Systems Application:

- Plant roof
- Production workshops
- Pipelines



Urga Gas Field

Urga is a natural gas field, located in the north-west of Uzbekistan, in the former Aral Sea area. In 2011, the recoverable gas reserves in the field were estimated at 25.9 billion cubic meters of gas.

In 2012 SST Group participated in the Urga field modernization. The project target was to build a new boosting compressor station and crude gas processing and compressing plant. ERIELL, the main contractor of Urga field modernization, chose SST Group as an electric heating systems provider.

Customer	ERIELL Group
Year	2012
Location	Uzbekistan
Facility	Pipelines
Total cable length	9 350 m
Total systems output	282 kW

Dzhygalybeg Field — Wellhead Platform Zhdanov-A

The Dzhygalybeg (Zhdanov) and the Dzheitune (Lam) oil and gas fields together form the Cheleken Contract Area that covers approximately 950 square kilometers, located in water between 8 and 42 meters deep in the eastern section of the Caspian Sea, offshore Turkmenistan.

The initial exploration and prospecting of the Zhdanov structure began in 1965. The first well with commercial oil and gas was drilled in 1966. Dragon Oil, an operator of Cheleken Contract Area, has completed a number of successful workovers in the Zhdanov Field and installed its first new platform, Zhdanov-A. Drilling from this platform commenced in 2014.

SST Group provided electric heating systems.

Customer	Dragon Oil
Year	2011
Location	Turkmenistan
Total cable length	3 400 m
Total system output	200 kW

Heating Systems Application:

- Pipelines
- Tanks

OIL AND GAS

Upstream

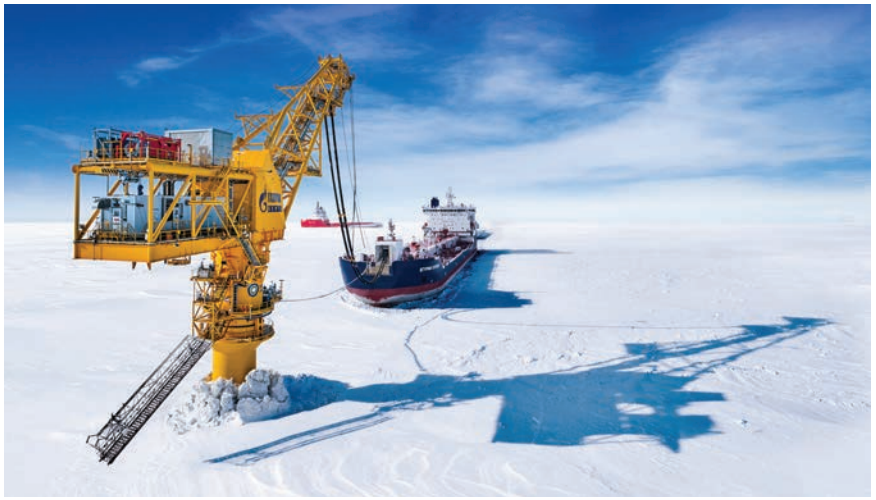
Novy Port Oil and Gas Field

The Novy Port field is one of the largest projects completed by SST Group for Gazprom. Located on the Yamal Peninsula, the field holds roughly 250 million tons of oil and gas condensate and more than 320 billion cubic meters of natural gas in C1 recoverable reserves. Natural gas production began back in 1964, and full-scale oil production was launched in 2014.

The oil grade produced at the field is known as Novy Port. The oil is shipped to Europe out via the Northern Sea Route by oil tankers from the Arctic Gate Terminal.

SST Group was responsible for the design, supply, installation, and supervised installation of self-regulating cable-based electric heating systems, SNF cables, skin effect-based systems, and LLS cable-based longline systems. The longest of the four IRHS-15000 systems operated as part of this project heats an oil pipeline 103 km long from the Novy Port field to the Arctic Gate Terminal.

Customer	Gazprom
Year	2019
Location	Russia
Skin-Effect Heating Systems	
Total length heated	160 000 m
Total system output	4 428 kVA
Power connection points	19
Pipes diameter	89–273 mm
Maintenance temperature	+5 °C, +25 °C, +30 °C
Transported product	Oil, water
Cable-Based Electric Heating Systems	
Total cable length	222 000 m
Total system output	5 370 kW



Heating Systems Application:

- Pipelines
- Water supply lines

Chayanda Oil and Gas Field

The Chayanda Oil and Gas Condensate Field, one of the largest in the east of Russia, was discovered back in 1983 in Lena District, Republic of Sakha (Yakutia). It forms the resource base of the Yakut gas production cluster and feeds the Power of Siberia gas pipeline.

Chayanda reserves are estimated at 1.2 trillion cubic meters of natural gas and 61.6 million tons of oil and condensate. In addition, the natural gas contains a considerable fraction of the valuable helium gas, which will be recovered on-site using the membrane technology.

Design and supply of the electric heating systems has since 2014 been the responsibility of SST Group. For the Chayanda Field, the company supplied skin effect-based systems, as well as heating cables of multiple types — self-regulating HTP, BTC, BTX, and resistive LLS.

Customer	Gazprom Dobycha Noyabrsk
Year	2014–2019
Location	Russia
Skin-Effect Heating Systems	
Total length heated	49 000 m
Total systems output	1 000 kW
Number of feeding points	14
Pipes diameter	108, 159, 219 mm
Maintenance temperature	+8 °C, +10 °C
Transported product	Water, natural gas
Cable-Based Electric Heating Systems	
Total cable length	555 000 m
Total system output	6 500 kW

Heating Systems Application:

- Oil treatment plants and oil well clusters
- Gas pretreatment stations, integrated gas treatment stations, helium concentrate membrane separators
- Water intake system and sewage treatment plants

Kirinskoye Natural Gas Field

Kirinskoye is Gazprom's key hydrocarbon field within the framework of the Sakhalin-3 Project for natural gas supply to the Russian Far East and the Asia-Pacific region. Its initial C1 reserves are estimated at 162.5 billion cubic meters of gas and 19.1 million tons of gas condensate, while the design annual yield is 5.5 billion cubic meters of gas.

The commissioning of the gas production and transportation system at the Kirinskoye Gas and Condensate Field symbolized the beginning of a new technological phase in the oil and gas industry, since for the first time in Russia, a system of underwater and onshore infrastructure was implemented supporting gas production at a depth of 90 m without the need for offshore rigs or other above-water structures.

The field applies state-of-the-art technology, including an electric heating system by SST Group, whose design and field installation took three years. The company supplied 45 km of heating cables of multiple types — self-regulating HTP, BTC, and BTX, resistive SNF cables.

Customer	Gazprom
Year	2013
Location	Russia
Total cable length	45 000 m
Total system output	1 400 kW

Heating Systems Application:

- Pipelines
- Integrated gas treatment unit

Kharyaga Oil Field

The Kharyaga oil field is located 60 km north of the Polar Circle, in the Nenets Autonomous Territory of the Russian Federation. It is developed under the Product Sharing Agreement (PSA). Zarubezhneft is the project operator, the other participants of PSA are Total, Statoil and Nenets Oil Co. The heating solutions of SST Group were implemented in Kharyaga Development Project Phase III, which involved progressively increasing the water injection capacity, developing additional reserves, improving plant operability, sustaining an output of 30 000 barrels a day, achieving 95% associated gas utilization and eliminating flaring.

SST Group provided thermal insulation and a heating systems based on skin-effect. The company's solutions also heat the water pipelines and tanks in the rotational camp for Kharyaga workers.

Customer	Total
Year	2010–2011
Location	Russia
Facility	Pipelines, tanks
Total length heated	50 000 m
Total system output	1 433 kW
Number of feeding points	9
Pipes diameter	168 and 219 mm
Maintenance temperature	+40 °C (for oil transportation) +60 °C (for water transportation)
Transported product	Water, oil, gas

Bovanenkovskoye Oil and Gas Field

Bovanenkovskoye is the largest field in the Yamal Peninsula. Its explored and preliminary estimated gas reserves amount to 4.9 trillion cubic meters.

The Cenomanian-Aptian deposits are a paramount development target at Bovanenkovskoye. Gas production is planned at 115 billion cubic meters annually. Overall, there will be three upstream facilities in operation. Two of them have been already brought online: the first one – in 2012 (planned output – 60 billion cubic meters of gas per year), the second one – in 2014 (30 billion cubic meters).

Bovanenkovskoye field is one of the largest projects of SST Group. We provided heating systems based on skin-effect and different types of heating cables for heating on-site pipelines. The project is still ongoing.

Customer	Gazprom
Year	2018
Location	Russia
Total cable length	642 000 m
Total systems output	18 600 kW
Number of feeding points	27
Pipes diameter	from 108 to 219 mm
Maintenance temperature	+5…+10 °C
Transported product	Water, oil, gas

Heating Systems Application:

- Airport
- Fuel and lubricant storage
- Power plant
- Water intake facilities at lakes
- Complex gas treatment plant
- Sewage system
- Condensate stabilization and methanol regeneration unit
- Booster pump stations

Yuri Korchagin Offshore Field

The Yuri Korchagin field is located in the Russian Caspian Sea at depths between 11 and 13 m. It was discovered in 2000 and became the first field put on stream by LUKOIL in the Caspian. The field started operating in 2010. The nearest seaports are Astrakhan (175 km) and Makhachkala (250 km), the closest railway stations are in Astrakhan, Makhachkala, Kizlyar and Derbent.

SST Group provided design, supply, installation, warranty and service maintenance of electric heating systems. The company provided self-regulating heating cables for the ice-resistant fixed platform.

Customer	LUKOIL
Year	2010
Location	Russia
Total cable length	10 500 m
Total systems output	614 kW

Heating Systems Application:

- Drill unit
- Bridge between two blocks of the platform
- Service system and power complex
- Pipelines
- Instrument equipment
- Impulse lines

Vladimir Filanovsky Offshore Field

Vladimir Filanovsky field is one of the Russia's largest offshore fields with 129 million tons of oil and 30 billion cubic meters of gas reserves. The field has a unique geology: highly permeable collectors yield record high initial flow rates.

Commercial production at the field started on October 31, 2016 when Phase 1 of the field construction was launched. The Phase 1 infrastructure includes the Riser Unit, Ice Resistant Platform, Central Processing Platform, Living Quarters Platform and Head Onshore Facilities.

SST Group participated in the construction of Phase 1: the company provided project design, manufacturing, supply, installation, commissioning of electric heating systems as an EPC contractor. The self-regulating heating fluoropolymer insulated cables were installed to protect pipelines, tanks and other equipment from freezing.

Customer	LUKOIL
Year	2015
Location	Russia
Total cable length	14 500 m
Total system output	564 kW

Heating Systems Application:

- Oil and water pipelines
- Oil and water tanks
- Technical equipment

Vankor Field

Vankor field is the largest field to have been discovered and brought into production in Russia in the last 25 years. It is located in the northern part of Eastern Siberia, in Turukhansky District of Krasnoyarsk Territory, 142 km from Igarka. The area of the Vankor field is 416.5 km^2. As of 1 January 2014 the initial recoverable reserves in the Vankor field are estimated at 500 million tons of oil and condensate, and 182 billion cubic meters of gas.

For Vankor field SST Group provided project design, manufacturing, supply, installation, commissioning of skin-effect heating systems.

Customer	Rosneft
Year	2007
Location	Russia

Skin-Effect Heating Systems

Total length heated	11 417 m
Total systems output	345 kW
Number of feeding points	4
Pipes diameter	from 89 to 325 mm
Maintenance temperature	+2...+20 °C
Transported product	Water, oil, gas

Cable-Based Electric Heating Systems

Total cable length	28 150 m
Total output	1 300 kW

Heating Systems Application:

- Pipelines
- Technical equipment
- Oil and gas treatment unit
- Pump station commissioning and start-up complex

Midstream

Slavyanskaya Compressor Station

Nord Stream-2 is a multinational project led by Gazprom for the construction of a new subsea trunk pipeline through the Baltic Sea to the German coast. The ultimate goal of the project is to feed 55 billion cubic meters of natural gas annually to Nord Stream-2 and to deliver up to 3.4 billion cubic meters annually to households in the North-West Federal District of Russia.

To implement this large-scale and complex project, Gazprom has brought together several thousand highly-qualified engineers and technicians.

SST Group won the tender for the supply of electric heating systems for the gas pre-treatment unit at the Slavyanskaya Compressor Station, part of Nord Stream-2. Slavyanskaya will be the starting point of the subsea pipeline in Kingisepp District of Russia's Leningrad Region.

The project's first phase involved the installation on the site of 35.5 km of HTP, BTC, BTX self-regulating cables with a combined power output of 685 kW.

Customer	Gazprom
Year	2020
Location	Russia
Total cable length	35 500 m
Total systems output	685 kW

Heating Systems Application:

- Gas condensate stabilization unit
- Process pipe racks
- On-site utilities
- Drainage systems
- Heat transfer fluid units

Taman Crude Oil Loading Terminal

The complex with total capacity of 19.9 million tons per year is constructed in the South part of the Taman peninsula and has access to the Black Sea. It is intended for the transshipment of liquefied hydrocarbon gas, oil and oil products.

Tamanneftegaz (part of OTEKO group) has been successfully implementing a comprehensive investment program of Taman since the 2000s. The company has already invested more than 2 billion US dollars in the economy of the Krasnodar Territory.

Within EPC contract SST Group was responsible for electric heating systems for the Taman transshipment terminal. The project included project design, supply, supervision, installation of electric heating systems, including explosion-proof electric heaters Masterwatt, 140 control cabinets and thermal insulation. The project is still ongoing.

Customer	Tamanneftegaz
Year	2014
Location	Russia

Skin-Effect Heating Systems

Total length heated	84 000 m
Total systems output	4 200 kW
Number of feeding points	13
Pipes diameter	from 22 to 1 420 mm
Maintenance temperature	+5...+60 °C
Transported products	Water, liquefied hydrocarbon gas, oil, oil products

Cable-Based Electric Heating Systems

Total cable length	118 000 m
Total systems output	6 200 kW

Heating Systems Application:

- Drain vessels
- Pipelines
- Oil and mazut farm including 40 000 m^3 tank

Kuyumba-Taishet Oil Trunk Pipeline

The Kuyumba-Taishet oil pipeline is constructed to connect Kuyumbinskoye and Yurubcheno-Tokhomskoye oil and gas condensate fields of Krasnoyarsk territory to Transneft oil pipeline grid. The route passes through the territory of Evenkia, Boguchany, Nizhny Ingash districts of the Krasnoyarsk Territory as well as the Taishet District of the Irkutsk Region.

The length of the pipeline is about 700 km, throughput capacity is up to 15 million tons per year, the pressure is 75 atm.

The electric heating systems by SST Group protect the Kuyumba-Taishet pipelines and tanks from freezing and maintain the required temperature. The company always demonstrates client-oriented approach. For instance, for water intake at head oil pumping station 9.5 km long SST Group designed and produced a combined heating system, based on the heating system based on skin-effect and self-regulating cables. In total the company delivered more than 28 000 m self-regulating heating cables and LLS cables.

Customer	Transneft
Year	2016
Location	Russia
Total cable length	28 000 m
Total systems output	500 kW

Heating Systems Application:

- Pipelines
- Impulse lines
- Techical equipment
- Tanks

Eastern Siberia – Pacific Ocean Pipeline System

Eastern Siberia – Pacific Ocean main oil pipeline system connects the fields of Western and Eastern Siberia with the oil loading port Kozmino and provides oil supplies to the markets of the Asia-Pacific region. Taking into account the scope of construction and gradual development of Eastern Siberia fields, the project was divided into several stages.

The construction of the first stage of the Eastern Siberia – Pacific Ocean main oil pipeline (ESPO–1) was performed from 2006 to 2009. The project comprised of construction of the pipeline with the total length of 2 694 km from the Taishet pumping station to Skovorodino pumping station as well as construction of 7 pumping stations and a specialized sea oil port near the town of Nakhodka. The second stage (ESPO–2) of the project included the construction of a 2 046 km pipeline to connect Skovorodino oil pumping station to the oil loading port Kozmino. Phase 2 was commissioned in 2012.

ESPO pipelines and infrastructure are protected from freezing by SST Group electric heating systems. The company provided different types of products, including Long-line system, self-regulating heating cables and insulation.

Customer	Transneft
Year	2008
Location	Russia

Skin-Effect Heating Systems

Total length heated	8 000 m
Total systems output	267 kW
Number of feeding points	8
Pipes diameter from	57 to 89 mm
Maintenance temperature	+5 °C
Transported product	Water

Cable-Based Electric Heating Systems

Total cable length	40 500 m
Total systems output	1 109 kW

Heating Systems Application:

- Special oil loading sea port Kozmino
  - Systems of reverse-flow oil delivery
  - Test stand
- Main oil pumping station Taishet
- Oil pumping station Skovorodino
  - Tank farm
  - Treated water tail drain
  - Outer water systems
- Oil pipeline from Skovorodino to the border of China

Zapolyarye – Purpe Oil Trunk Pipeline

Zapolyarye – Purpe is the northernmost oil pipeline in Russia. The 488 km – long oil pipeline includes 170 km beyond the Polar Circle. It links the untapped oil deposits located in the Arctic Siberia to the Zapolyarye – Purpe-Samotlor pipeline system, which is aimed at supplying crude oil from new fields in the Yamalo-Nenets Autonomous District and north of Krasnoyarsk region to Russian oil refineries. The capacity of Zapolyarye – Purpe oil trunk pipeline is 45 million tons annually.
8 000 employees were involved in the construction of Zapolyarye – Purpe oil pipeline.

SST Group provided heating systems based on skin-effect and self-regulating heating cables for this project.

Customer	Transneft
Year	2013, 2016
Location	Russia

Cable-Based Electric Heating Systems

Total cable length	111 500 m
Total systems output	3 600 kW

Heating Systems Application:

- Pipelines
- Oil transfer pumping stations

Skin-Effect Heating System

Total length heated	10 052 m
Total system output	211 kW
Number of feeding points	2
Pipe diameter	108 mm
Maintenance temperature	+5 °C
Transported product	Water

Downstream

LUKOIL – Nizhegorodnefteorgsintez Oil Refinery

LUKOIL – Nizhegorodnefteorgsintez is one of the largest oil refineries in Russia. It processes about 17 million tons of crude oil piped in from deposits in Western Siberia and Tatarstan every year. It supplies top quality gasoline and low-sulphur content diesel predominantly to Russia, Central and Western Europe. The refinery employs about 2 400 workers and extends over 1 000 hectares.

The oil refinery was founded in 1958. In 2011, the first Catalytic Cracking Complex of vacuum gas oil has been commissioned. It allowed to switch to production of Euro-5 class fuels. This complex is the largest constructed for the last 25 years in Russia.

SST Group participated in the LUKOIL – Nizhegorodnefteorgsintez modernization, providing the electric heating systems (mineral-insulated heating cables, self-regulating heating cables).

Customer	LUKOIL–Nizhegorodnefteorgsintez
Year	2010
Location	Russia
Total cable length	39 000 m
Total system output	2 390 kW

Heating Systems Application:

- Viscosity breaking units, catalytic crackers, hydrogen production units, vacuum gas oil hydrorefining units
- Hydrogen sulfide processing unit
- Paraffins hydrorefining line
- Elemental sulfur production unit
- Hydrocarbon gases absorption and separation unit
- Liquefied hydrocarbon gases (LHG) collection, storage and shipment system
- High and low pressure flare systems

LUKOIL-Volgogradneftepererabotka

Volgograd Oil Refinery became part of LUKOIL Group in the early 1990s and has been extensively modernized. In 2016, the refinery commissioned a hydrocracking plant for the deep processing of vacuum gas oil, including a combined sulfur production unit and a hydrogen production unit, which allowed the operation to increase its output of high-quality motor fuels while reducing fuel oil yield and switch to the production of Class 5 gasoline and diesel fuel.

The hydrocracking plant's capacity is 3.5 million tons, the conversion degree is 75 % (diesel, gasoline, hydrocarbon gases). Over 3 million tons of the oil refinery's output is shipped via the oil product pipeline operated by Transneft.

SST Group was the EPC contractor responsible for the heating systems at LUKOIL-Volgogradneftepererabotka hydrocracking plant, including turnkey design and supply of customized equipment and components: 29.4 km of self-regulating cables, 27 km of power and control cables, 13 control cabinets.

Customer	LUKOIL
Year	2019
Location	Russia
Total cable length	29 400 m
Total system output	484 kW

Heating Systems Application:

- Diesel fuel tank farm, including a pump station
- Diesel fuel pumping line
- A system for collecting and treating the effluent from the crude desalter unit
- Physical and mechanical treatment unit
- Treated effluent pump station

Cryogas-Vysotsk

The LNG terminal in the port of Vysotsk, Leningrad Region, is a complex multi-phased project for the production, storage, and export shipments of liquefied natural gas (LNG). The project is connected to the natural gas pipeline running from St. Petersburg to Vyborg and Russia's national border.

The Cryogas-Vysotsk site comprises a branch gas pipeline, two liquefaction plants each capable of processing 40 tons of LNG per hour to a combined annual capacity of 660 000 tons, a 42 000 cubic meters LNG storage tank, as well as transportation and shipment infrastructure, consisting of an LNG carrier handling facility at the sea berth and a tank truck handling facility.

SST Group completed an EPC project to install electric heating systems at Cryogas-Vysotsk. The design effort took 8 500 man-hours. For Vysotsk LNG Terminal, cables of the premium series HTP, BTX, and BTC were specified.

Customer	Cryogenmash
Year	2018–2019
Location	Russia
Total cable length	16 673 m
Total system output	300 kW

Heating Systems Application:

- 16 modular units
- Tanks
- Pipelines

Ust-Luga Complex

The Gas Condensate Fractionation and Transhipment Complex (the “Ust-Luga Complex”) launched in 2013 is located at the all-season port of Ust-Luga on the Baltic Sea. It processes stable gas condensate into light and heavy naphtha, jet fuel, ship fuel component (fuel oil) and gasoil, and enables to ship the value-added petroleum products to international markets. The Ust-Luga Complex also allows for transshipment of stable gas condensate to the export markets.

SST Group got the EPC contract for electric heating system in the Ust-Luga Complex. The company was responsible for project design and supply. The project design is estimated in 12 700 working hours. SST Group delivered 128 000 meters of heating cables, 1 700 square meters of thermal insulation and 45 control cabinets.

Customer	NOVATEK
Year	2013
Location	Russia
Total cable length	128 000 m
Total system output	6 100 kW

Heating Systems Application:

- Pipelines and impulse lines of jetty loading berth № 1, 2
- Water storage tanks
- On-site utilities
- Fractionation unit
- Process pipe rack
- Fuel oil storage tank
- Pipelines of oil metering station

Moscow Oil Refinery

The Moscow refinery is a leader in the production of high-octane petrol and diesel, servicing more than 35% of petroleum market in the Moscow Region. The refinery's annual capacity is 11 million tons of oil per year.

Since 2011 Gazprom Neft has been implementing an extensive modernization program at its Moscow refinery to achieve the best technological and environmental metrics of all refining facilities in Europe, by 2020.

In 2017 SST Group provided an energy-efficient solution for "Biosphere" biological water treatment complex. The Biosphere project will raise the efficiency of plant wastewater treatment to 99.9%, significantly reducing the burden on the city's water-treatment infrastructure.

SST Group provided turn-key solution for "Biosphere" complex. The company designed and installed electric heat tracing systems to protect the unique equipment from freezing.

Customer	Gazprom Neft
Year	2017
Location	Russia
Total cable length	22 500 m
Total system output	750 kW

LUKOIL-Permnefteorgsintez Refinery

LUKOIL-Permnefteorgsintez Refinery is one of the largest refineries in Russia. It is located 5 kilometers from the city of Perm. Each year the plant processes more than 13 million tons of oil. More than half of petroleum products produced by the enterprise are exported.

In 2015, a petroleum residue recycling complex has been commissioned in LUKOIL-Perm Refinery. Due to this modernization, the depth of refining reaches up to 98% and the company became the first in Russia who start production free from fuel-oil.

SST Group participated in the construction of the petroleum residue recycling complex: the company provided project design, manufacturing, supply, installation of electric heating systems (mineral-insulated heating cables, self-regulating heating cables).

Customer	LUKOIL-Permnefteorgsintez
Year	2015
Location	Russia
Total cable length	12 900 m
Total system output	424 kW

Heating Systems Application:

- Pipelines
- Impulse lines
- Technical equipment

Yamal LNG

Yamal LNG is an integrated project encompassing natural gas production, liquefaction and shipping. It is one of the largest and most complex LNG projects in the world. The project aims to build a liquefied natural gas (LNG) plant with an output capacity of around 16.5 million tons per year, using the South Tambey Field as a resource base. The project includes the creation of the infrastructure, required for intensive transportation to customers in Europe and Asia like a seaport and the Sabetta Airport.

SST Group provided different types of heating cables: self-regulating heating cables, mineral-insulated heating cables, series-resistance heating cables and LLS cables. The company also supplied exclusive, high-tech equipment for electric heating control.

Customer	NOVATEK
Year	2017
Location	Russia
Total cable length	256 000 m
Total system output	4 540 kW

Heating Systems Application:

- Pipelines
- Tanks

OTHER INDUSTRIES

ZapSibNeftekhim

ZapSibNeftekhim is a major petrochemical project in Russia implemented by SIBUR in Tobolsk.

This greenfield, state-of-the-art site comprises a pyrolysis unit with an annual design capacity of 1.5 million tons of ethylene, 500 thousand tons of propylene, and 100 thousand tons of butane-butylene; four polyethylene process lines with an annual capacity of 1.5 million tons, and a polypropylene unit with an annual capacity of 500 thousand tons.

The project is aimed at strengthening the deep processing capacity of the significant amounts of by-products of oil and gas production in Western Siberia, including associated petroleum gas, and at the import substitution of the polymer grades in strong demand on the Russian market.

The ZapSibNeftekhim project brought together more than 100 Russian contractors and technology vendors, including SST Group, whose solutions were selected to heat the five oil pipelines. The company's engineers and technicians were responsible for the supply, supervised installation, field supervision, and commissioning of skin effect-based electric heating solutions.

Customer	SIBUR
Year	2016–2019
Location	Russia
Skin effect-based heating systems	
Total length heated	35 000 m
Total systems output	1 500 kW
Number of feeding points	1
Pipes diameter	100–350 mm
Maintenance temperature	+5 … +15 °C
Products	Pyrobenzene, sulfuric acid, liquid alkali, normal butane, propane fraction, hydrogen gas

Heating Systems Application:

- Pipelines

Natalka Gold Mine

Being a main greenfield project of Polyus, a Russian gold producer, the Natalka mine is one of the largest gold mines in Russia and in the world. It is a open-pitable deposit located about 400 km away from the sea port of Magadan in the Far East of Russia with capacity of 10 million tons per year. Natalka has ore reserves of 16 million ounces (498 tons of gold) and mineral resources totaling 34 million ounces (1058 tons of gold) according to the JORC Code methodology, and is the 15th largest gold asset globally in terms of reserves.

The Natalka deposit was initially discovered in 1942. Polyus bought the deposit in 2004. In 2017, Natalka has been officially launched by Russian President Vladimir Putin during a ceremony at the Eastern Economic Forum in Vladivostok.

SST Group provided electric heating systems for the Natalka deposit.

Customer	Polyus
Year	2017
Location	Russia
Total cable length	38 000 m
Total systems output	323 kW

Shchekinoazot Chemical Plant

United Chemical Company “Shchekinoazot” produces and sells methanol, ammonia, ammonium sulphate, caprolactam, carbamide-formaldehyde concentrate (UFC), cyclohexane at domestic and foreign markets for over 60 years.

SST Group electric heating systems were implemented at Shchekinoazot methanol M-450 producing plant, one of the most modern methanol producing plant on the territory of Russia, with a capacity of 450 000 tons of methanol per year. The company also provided its world-class solutions for carbamide-formaldehyde concentrate (CFC) and formalin producing plant with the capacity of 50 000 tons per year. SST Group provided mineral-insulated heating cables and self-regulating heating cables.

Customer	Shchekinoazot Ltd.
Year	2011
Location	Russia
Total length heated	8 000 m
Total system output	410 kW

Heating systems application:

- Methanol M-450 producing plant
- CFC and formalin producing plant
- Impulse lines of Pervomayskaya power plant

Ilim Group Pulp and Paper Mill

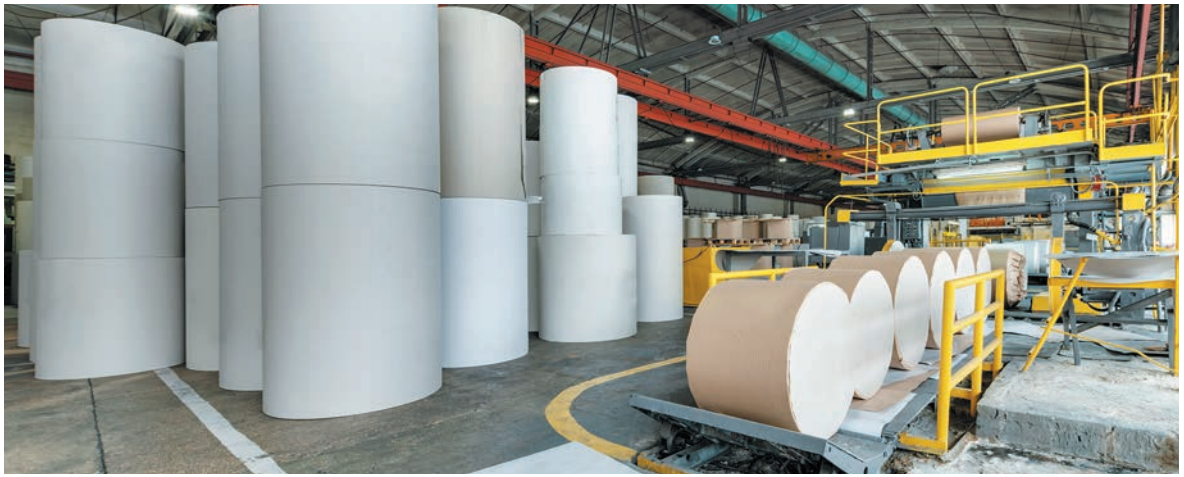
Ilim Group is the leader in the Russian pulp and paper industry and one of the industry leaders globally. The company's mills produce over 75% of all domestically produced market pulp, 20% of board, and 10% of paper. Ilim Group has three largest pulp and paper mills and two modern corrugated box plants. The business assets are located in Koryazhma (Arkhangelsk Oblast), Bratsk and Ust-Ilimsk (Irkutsk Oblast), Kommunar (Leningrad Oblast) and Dmitrov (Moscow Oblast).

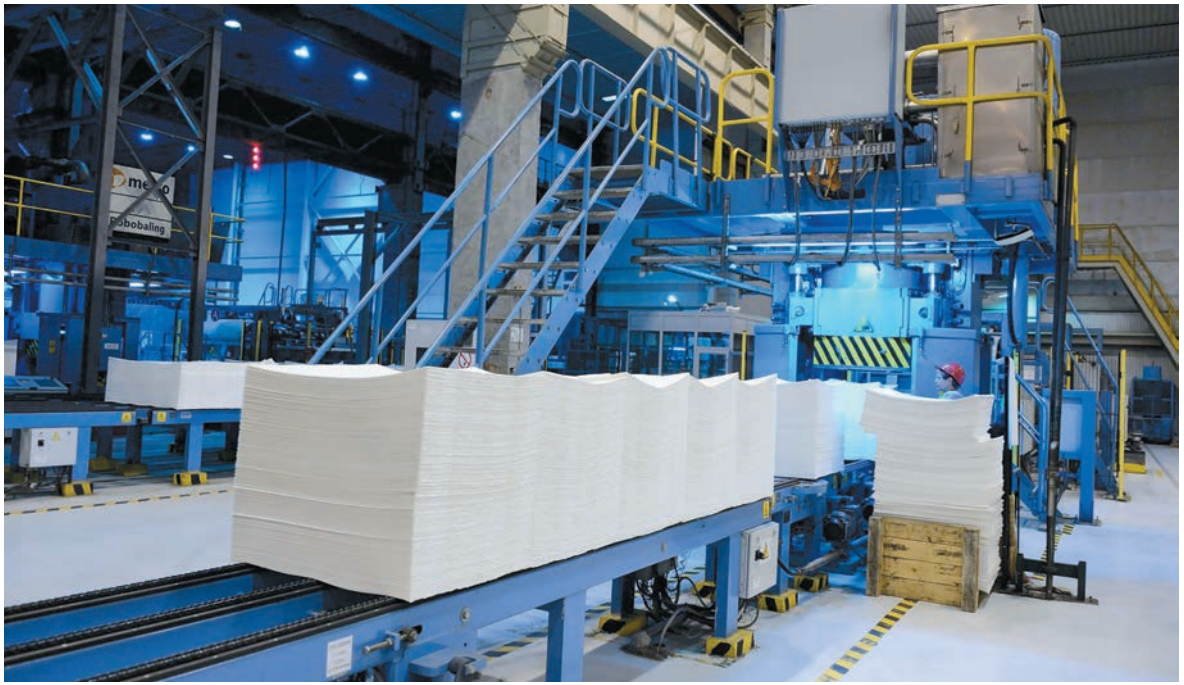
SST Group participated in the modernization of Ilim plant in Bratsk. In the third quarter of 2012, the construction of a new pulp mill was finished in Bratsk. After modernization, the mill became the largest and one of the most modern bleached softwood pulp production facilities in the world with capacity of 720 000 tons.
SST Group provided LLS heating cables and self-regulating heating cables.

Customer	Ilim Group
Year	2012-2013
Location	Russia
Total cable length	2 800 m
Total systems output	150 kW

Heating Systems Application:

- Pipelines





ALROSA Udachny Mine

Udachny diamond mine owned by ALROSA Mining is located near the town of Udachny in the Sakha Republic region of Russia, 20 kilometers from Arctic Circle. The first stage of mining and processing complex was commissioned in 1976.

Udachny is the forth and the largest underground mine of ALROSA. The underground mine was put into production in 2014. Open pit mining was completed in 2015. In 2019, it is expected to reach the design capacity of 4 million tons of ore per year.

SST Group has been working with ALROSA since 2001. The company implemented several projects at the Udachny diamond mine from 2007–2015. SST Group provided electric heating systems based on LLS cables and self-regulating heating cables, 4 700 square meters of thermal insulation InWarm Flex, control cabinets, power systems. The company's heating systems were also implemented at infrastructure objects of the Udachny mine.

Customer	ALROSA
Year	2007-2015
Location	Russia
Total cable length	20 423 m
Total systems output	635 kW

Heating Systems Application:

- Water systems
- On-site sewage systems pipelines
- Tanks
- Power plant of mine water disposal
- Research institute "Yakutniproalmaz"
- Indoor hockey field
- School for 750 pupils
- Dormitory

PROJECTS
2002–2020

Projects

Client	Industry	Project	Country of Client	Site Location	Date	Scope of Work	Type of Product
Gazprom	Oil and gas	Slavyanskaya Compressor Station	RU	RU	2020	Project design, supply, installation	Self-regulating heating cables
Gazprom Neft	Oil and gas	Novy Port Oil and Gas Field	RU	RU	2019	Project design, supply, installation, commissioning	Self-regulating heating cables, skin-effect heating system, longline system, series-resistance heating cables
Gazprom Dobycha Noyabrsk	Oil and gas	Chayanda Oil and Gas Field	RU	RU	2019	Project design, supply	Self-regulating heating cables, skin-effect heating system, series-resistance heating cables
LUKOIL	Oil and gas	LUKOIL-Volgograd-neftepererabotka	RU	RU	2019	Project design, supply	Self-regulating heating cables, power and control cables, control cabinets
Cryogenmash	Oil and gas	Cryogas-Vysotsk	RU	RU	2019	Project design, supply, installation	Self-regulating heating cables
SIBUR	Chemical	ZapSibNeftekhim	RU	RU	2019	Project design, supply, installation, commisioning	Skin-effect heating system
Rusvietpetro	Oil and gas	Visovoe Field	RU	RU	2019	Project design, supply, installation	Stream Tracer™

Projects

Client	Industry	Project	Country of Client	Site Location	Date	Scope of Work	Type of Product
LUKOIL-Perm	Oil and gas	Kazakovsky Field	RU	RU	2017	Project design, supply, installation	Stream Tracer™
Gazprom Neft	Oil and gas	Krasnodarskaya compressor station	RU	RU	2017	Project design, supply	Self-regulating heating cables, junction boxes, temperature sensors, control cabinets, power and control cables
LUKOIL	Oil and gas	Vladimir Filanovsky Field, Ice Resistant Platform	RU	RU	2017	Project design	Self-regulating heating cables, junction boxes, temperature sensors, control cabinets, power and control cables, thermal insulation
LUKOIL	Oil and gas	LUKOIL-Volgograd-neftepererabotka	RU	RU	2017	Project design, supply, installation, commissioning	Self-regulating heating cables, junction boxes, temperature sensors, control cabinets, power and control cables
NOVATEK	Oil and gas	Yamal LNG, South Tambey Field	RU	RU	2017	Project design, supply, installation, commissioning	Longline system, self-regulating heating cables, junction boxes, temperature sensors, control cabinets, power and control cables
OZNA-Engineering	Oil and gas	Zapadno-Ayanskoe Field	RU	RU	2017	Project design, supply	Self-regulating heating cables, junction boxes, temperature sensors, control cabinets, power and control cables, thermal insulation
OZNA-Engineering	Oil and gas	Yaraktinskoe Field	RU	RU	2017	Project design, supply	Self-regulating heating cables, junction boxes, temperature sensors, control cabinets, power and control cables, thermal insulation

Projects

Client	Industry	Project	Country of Client	Site Location	Date	Scope of Work	Type of Product
Gazprom Neft	Oil and gas	Moscow Oil Refinery	RU	RU	2017	Project design, supply, installation, commissioning	Self-regulating cables, longline system, junction boxes, temperature sensors
Polyus Gold International	Mining	Natalka Gold Field	RU	RU	2017	Project design, supply, supervision, commissioning	Self-regulating heating cables, junction boxes, temperature sensors, control cabinets, power and control cables
Acron Group	Chemical	Ammonia-4 unit	RU	RU	2016	Project design, supply	Self-regulating heating cables, junction boxes, temperature sensors, control cabinets, power and control cables
Transneft	Oil and gas	Kuyumba – Taishet Oil Trunk Pipeline	RU	RU	2016	Project design, manufacturing, supply	Longline system, self-regulating heating cables, skin-effect heating system, junction boxes, temperature sensors, control cabinets
NOVATEK	Infrastructure	Sabetta International Airport	RU	RU	2015	Project design, supply	Self-regulating heating cables, series-resistance heating cables, longline system, junction boxes, temperature sensors, control cabinets
Gazprom Neft	Oil and gas	Medvezhye Field	RU	RU	2015	Project design	Self-regulating heating cables, junction boxes, temperature sensors, control cabinets
Gazprom Neft	Oil and gas	Kirinskoye Field	RU	RU	2015	Project design	Self-regulating heating cables, junction boxes, temperature sensors, control cabinets

Projects

Client	Industry	Project	Country of Client	Site Location	Date	Scope of Work	Type of Product
LUKOIL	Oil and gas	LUKOIL-Volgograd-neftepererabotka	RU	RU	2015	Project design, supply	Self-regulating heating cables, junction boxes, temperature sensors, control cabinets, power and control cables, mineral-insulated heating cables, series-resistance heating cables
LUKOIL	Oil and gas	Yaregskoye Field	RU	RU	2015	Project design, supply	Self-regulating heating cables, series-resistance heating cables, junction boxes, temperature sensors, control cabinets
LUKOIL	Oil and gas	Pyakyakhinskoye Field	RU	RU	2015	Project design, supply, installation, commissioning	Skin-effect heating system
LUKOIL	Oil and gas	Bayandyskoe Field, Gas Treatment Unit	RU	RU	2015	Project design, supply	Self-regulating heating cables, junction boxes, temperature sensors, control cabinets
LUKOIL	Oil and gas	East Lambeishor Oil Treatment Unit	RU	RU	2015	Project design, supply	Self-regulating heating cables, junction boxes, temperature sensors, control cabinets
LUKOIL	Oil and gas	Vostochno-Sarutayuskoye Field	RU	RU	2015	Project design, supply	Self-regulating heating cables, skin-effect heating system, thermal insulation, junction boxes, temperature sensors, control cabinets
Transneft	Oil and gas	Zapolyarye – Purpe Oil Trunk Pipeline	RU	RU	2015	Project design, manufacturing, supply	Skin-effect heating system

Projects

Client	Industry	Project	Country of Client	Site Location	Date	Scope of Work	Type of Product
NOVATEK	Oil and gas	Yarudeyskoye Field	RU	RU	2015	Project design, supply, supervision, commissioning	Skin-effect heating system
NOVATEK	Oil and gas	East-Tarkosalinskoye Field	RU	RU	2015	Project design, supply	Self-regulating heating cables
Gazprom Neft	Oil and gas	Urengoyskaya oil pumping station	RU	RU	2015	Project design, supply	Self-regulating heating cables, longline system, junction boxes, temperature sensors, control cabinets
LUKOIL	Oil and gas	Vladimir Filanovsky Field, Ice Resistant Platform	RU	RU	2015	Project design, supply, installation, commissioning	Self-regulating heating cables, junction boxes, temperature sensors, control cabinets
NOVATEK	Oil and gas	Yuzhno-Tambeiskoye Field	RU	RU	2015	Project design, supply, supervision, commissioning	Self-regulating heating cables, series-resistance heating cables, junction boxes, temperature sensors, control cabinets
Tatneft	Oil and gas	Irgizskoye Field	RU	RU	2015	Project design, manufacturing, supply	Self-regulating heating cables, junction boxes, temperature sensors, control cabinets
TAIF-NK	Oil and gas	Nizhnekamsk Crude Refining Plant	RU	RU	2015	Project design, manufacturing, supply	Skin-effect heating system, self-regulating heating cables, junction boxes, temperature sensors, control cabinets

Projects

Client	Industry	Project	Country of Client	Site Location	Date	Scope of Work	Type of Product
LUKOIL-Permnefteorgsintez	Oil and gas	LUKOIL-Permnefteorgsintez Refinery	RU	RU	2015	Project design, supply, installation	Self-regulating heating cables, mineral-insulated heating cables, junction boxes, temperature sensors, power and control cables, control cabinets, thermal insulation
ALROSA	Infrastructure	Mirny Town Kindergarden	RU	RU	2015	Project design, manufacturing, supply	Series-resistance heating cables, junction boxes, temperature sensors, control cabinets
Gazprom Neft	Oil and gas	Bovanenkovskoye Field	RU	RU	2014	Project design	Skin-effect heating system, self-regulating heating cables, series-resistance heating cables, longline system, junction boxes, temperature sensors, control cabinets
Gazprom Neft	Oil and gas	Zapolyarnoye Field	RU	RU	2014	Project design	Self-regulating heating cables, skin-effect heating system, junction boxes, temperature sensors, control cabinets
Gazprom Neft	Oil and gas	Yamburgskoye Field	RU	RU	2014	Project design	Self-regulating heating cables, skin-effect heating system, remote monitoring and control system, junction boxes, temperature sensors, control cabinets
LUKOIL	Oil and gas	Yu. Rossikhin Field	RU	RU	2014	Project design, supply	Self-regulating heating cables, skin-effect heating system, thermal insulation, junction boxes, temperature sensors, control cabinets
NOVATEK	Oil and gas	Yarudeyskoye Field	RU	RU	2014	Project design, supply	Self-regulating heating cables, junction boxes, temperature sensors, control cabinets

Projects

Client	Industry	Project	Country of Client	Site Location	Date	Scope of Work	Type of Product
Gazprom Neft	Oil and gas	Kaluga Directorate, Underground Gas Storage Facility	RU	RU	2014	Project design, supply	Self-regulating heating cables, junction boxes, temperature sensors, control cabinets
Kataliz Refinery	Oil and gas	Oil Refining Complex	RU	RU	2014	Project design, supply	Self-regulating heating cables, junction boxes, temperature sensors, control cabinets
Tamanneftegaz	Oil and gas	Taman Crude Oil Loading Terminal	RU	RU	2014	Project design, supply, supervision-installation, commissioning	Skin-effect heating system, Masterwatt heaters, tanks power supply cabinets, control cabinets, instrumentation and automated control systems equipment cabinets and thermal insulation
ALROSA	Infrastructure	Aikhal Campus	RU	RU	2014	Project design, manufacturing, supply	Self-regulating heating cables, junction boxes, temperature sensors, control cabinets
ALROSA	Infrastructure	Yakutniproalmaz Research and Design Institute in Mirny Town	RU	RU	2014	Project design, manufacturing, supply	Self-regulating heating cables, junction boxes, temperature sensors, control cabinets
Ostafyevo International Business Airport, Moscow	Infrastructure	Airplane Shed	RU	RU	2013	Project design, supply	Self-regulating heating cables, junction boxes, temperature sensors, control cabinets
Ilim Group	Pulp and paper	Bratsk Pulp and Paper Mill	RU	RU	2013	Project design, supply	Self-regulating heating cables, insulation, junction boxes, temperature sensors, control cabinets

Projects

Client	Industry	Project	Country of Client	Site Location	Date	Scope of Work	Type of Product
Gazprom Neft	Oil and gas	Zapolyarnoye Field	RU	RU	2013	Project design	Self-regulating heating cables, junction boxes, temperature sensors, control cabinets
Gazprom Neft	Oil and gas	Medvezhye Field	RU	RU	2013	Project design	Self-regulating heating cables, junction boxes, temperature sensors, control cabinets
Gazprom Neft	Oil and gas	Yamburgskoye Field	RU	RU	2013	Project design	Self-regulating heating cables, junction boxes, temperature sensors, control cabinets
LUKOIL	Oil and gas	Vladimir Filanovsky Field, Ice Resistant Platform	RU	RU	2013	Project design, supply, installation, commissioning	Self-regulating heating cables, thermal insulation, control cabinets, junction boxes, temperature sensors, control cabinets
NOVATEK	Oil and gas	Ust-Luga Complex	RU	RU	2013	Project design, supply	Skin-effect heating system, long-line system, self-regulating heating cables, junction boxes, temperature sensors, control cabinets
NOVATEK	Oil and gas	Yarudeyskoye Field	RU	RU	2013	Project design, supply	Self-regulating heating cables, junction boxes, temperature sensors, control cabinets
Bashneft	Oil and gas	Fields named after Roman Trebs and Anatoly Titov	RU	RU	2013	Project design, supply, supervision, commissioning	Skin-effect heating system, self-regulating heating cables, series-resistance heating cables, longline system, junction boxes, temperature sensors, control cabinets

Projects

Client	Industry	Project	Country of Client	Site Location	Date	Scope of Work	Type of Product
Gazprom Neft	Oil and gas	Condensate Stabilization Plant	RU	RU	2013	Project design	Self-regulating heating cables, junction boxes, temperature sensors, control cabinets
Tamanneftegaz	Oil and gas	Taman Crude Oil Loading Terminal	RU	RU	2013	Project works execution, supply, supervision-installation, commissioning	Masterwatt, junction boxes, temperature sensors, control cabinets
ALROSA	Mining	Udachny Mine	RU	RU	2013	Project design, manufacturing, supply	Self-regulating heating cables, junction boxes, temperature sensors, control cabinets
Vnukovo International Airport, Moscow	Infrastructure	Airplane Shed	RU	RU	2012	Project design, supply	Self-regulating heating cables, junction boxes, temperature sensors, control cabinets
Vopak Horizon Fujairah	Oil and gas	Oil Storage Terminal	UAE	UAE	2012	Project design, supply	Heating system based on skin-effect
ERIELL Group	Oil and gas	Urga Field	UZ	UZ	2012	Project design, supply	Longline system, self-regulating heating cables, junction boxes, temperature sensors, control cabinets
Gazprom Neft	Oil and gas	Yubileinoye Field	RU	RU	2012	Project design	Self-regulating heating cables, junction boxes, temperature sensors, control cabinets

Projects

Client	Industry	Project	Country of Client	Site Location	Date	Scope of Work	Type of Product
Gazprom Neft	Oil and gas	Medvezhye Field	RU	RU	2012	Project design	Self-regulating heating cables, junction boxes, temperature sensors, control cabinets
Sibneftegaz	Oil and gas	Pyrejnoe Field	RU	RU	2012	Project design, supply, supervision, commissioning	Self-regulating heating cables, longline system, junction boxes, temperature sensors, control cabinets
Rosneft	Oil and gas	Tuapse Terminal	RU	RU	2012	Project design	Series-resistance heating cables
Transneft	Oil and gas	Tikhoretskaya Oil Transshipment Depot	RU	RU	2012	Project design, manufacturing, supply	Self-regulating heating cables, insulation, junction boxes, temperature sensors, control cabinets
Transneft	Oil and gas	Grushovaya Site of the Sheskharis Transshipment Complex	RU	RU	2012	Project design, manufacturing, supply	Self-regulating heating cables, junction boxes, temperature sensors, control cabinets
NOVATEK	Oil and gas	Yarudeyskoye Field	RU	RU	2012	Project design, supply, supervision, commissioning	Skin-effect heating system
Tamanneftegaz	Oil and gas	Taman Crude Oil Loading Terminal	RU	RU	2012	Project design, supply, supervision, installation, commissioning	Skin-effect heating system

Projects

Client	Industry	Project	Country of Client	Site Location	Date	Scope of Work	Type of Product
ALROSA	Mining	Mir Mine	RU	RU	2012	Project design, manufacturing, supply	Self-regulating heating cables, junction boxes, temperature sensors, control cabinets
ALROSA	Mining	Udachny Mine	RU	RU	2012	Project design, manufacturing, supply	Self-regulating heating cables, junction boxes, temperature sensors, control cabinets
ALROSA	Mining	Levoberezhnaya Mine	RU	RU	2012	Project design, manufacturing, supply	Self-regulating heating cables, longline system, junction boxes, temperature sensors, control cabinets
Ivatsevichdrev	Woodworking	Ivatsevichdrev Wood Particleboards Plant	BY	BY	2011	Project design, supply	Self-regulating heating cables, junction boxes, temperature sensors, control cabinets
Dragon Oil	Oil and gas	Dzhygalybeg Field— Wellhead Platform Zhdanov-A	TM	TM	2011	Project design, supply	Self-regulating heating cables, junction boxes, temperature sensors, control cabinets
TOTAL	Oil and gas	Kharyaga Field	FR	RU	2011	Project design, supply, supervision, commissioning	Skin-effect heating system, self-regulating heating cables, junction boxes, temperature sensors, control cabinets
Gazprom Neft	Oil and gas	Zapolyarnoye-Urengoy Gas Trunkline	RU	RU	2011	Project design, supply, supervision, commissioning	Self-regulating heating cables, junction boxes, temperature sensors, control cabinets

Projects

Client	Industry	Project	Country of Client	Site Location	Date	Scope of Work	Type of Product
Gazprom Neft	Oil and gas	Kharvutinskaya area of the Yamburgskoye Field	RU	RU	2011	Project design	Self-regulating heating cables, skin-effect heating system, longline system, junction boxes, temperature sensors, control cabinets
ALROSA	Mining	Aikhal Mine	RU	RU	2011	Project design, manufacturing, supply	Self-regulating heating cables, Masterwatt heaters, junction boxes, temperature sensors, control cabinets
Gazprom Neft	Oil and gas	Bovanenkovskoye Field	RU	RU	2010	Project design	Self-regulating heating cables, junction boxes, temperature sensors, control cabinets
Achimgaz	Oil and gas	Urengoyskoye Field	RU	RU	2010	Project design, supply, installation, commissioning	Self-regulating heating cables, skin-effect heating system, junction boxes, temperature sensors, control cabinets
Rosneft	Oil and gas	Nakhodka Terminal	RU	RU	2010	Project design, supply	Series-resistance heating cables
LUKOIL	Oil and gas	Yury Korchagin Field, Ice Resistant Platform	RU	RU	2010	Project design, supply, installation, commissioning, warranty and service maintenance	Self-regulating heating cables, junction boxes, temperature sensors, control cabinets
LUKOIL	Oil and gas	LUKOIL-Nizhegorod-nefteorgsintez oil refinery	RU	RU	2010	Project design, supply	Self-regulating heating cables, mineral-insulated heating cables, Masterwatt heaters, junction boxes, temperature sensors, control cabinets

Projects

Client	Industry	Project	Country of Client	Site Location	Date	Scope of Work	Type of Product
Transneft	Oil and gas	Baltic Pipeline System - 2 Pipeline	RU	RU	2010	Project design, manufacturing, supply	Self-regulating heating cables, junction boxes, temperature sensors, control cabinets
Gazprom Neft	Oil and gas	Pestsovoye Field	RU	RU	2010	Project design, supply, installation, commissioning	Skin-effect heating system
ALROSA	Mining	Mir Mine	RU	RU	2010	Project design, manufacturing, supply	Self-regulating heating cables
ALROSA	Mining	Leindokit Hydraulic Power System	RU	RU	2010	Project design, manufacturing, supply	Skin-effect heating system
SIBUR	Chemical	Tolyatti Synthetic Rubbers Plant	RU	RU	2009	Project design, supply	Self-regulating heating cables, junction boxes, temperature sensors, control cabinets
Kumho Mitsui Chemicals	Chemical	Chemicals Plant	KR	KR	2009	Project design, supply, supervision, commissioning	Heating system based on skin-effect
Rosneft	Oil and gas	Verkhnechonskoye Field	RU	RU	2009	Project design, supply	Series-resistance heating cables

Projects

Client	Industry	Project	Country of Client	Site Location	Date	Scope of Work	Type of Product
Rosneft	Oil and gas	Cherpayusk Field	RU	RU	2009	Project design, supply	Series-resistance heating cables
Rosneft	Oil and gas	Khasyreysk Field	RU	RU	2009	Project design, supply	Series-resistance heating cables
Transneft	Oil and gas	Baltic Pipeline System - 1 Pipeline	RU	RU	2009	Project design, manufacturing, supply	Self-regulating heating cables, junction boxes, temperature sensors, control cabinets
M-I SWACO / Schlumberger	Oil and gas	Oilfield Service Station in Astrakhan	RU	RU	2009	Project design, supply, supervision, commissioning	Self-regulating heating cables, junction boxes, temperature sensors, control cabinets, insulation
Sibneftegaz	Oil and gas	Beregovoye Field	RU	RU	2009	Project design, supply, supervision, commissioning	Skin-effect heating system, self-regulating heating cables, junction boxes, temperature sensors, control cabinets
Gazprom Neft	Oil and gas	Zapolyarnoye Field	RU	RU	2009	Project design, supply, supervision, commissioning	Skin-effect heating system, self-regulating heating cables, junction boxes, temperature sensors, control cabinets
Togliattyazot	Chemical	UFC Production Unit	RU	RU	2008	Project design, supply	Self-regulating heating cables, junction boxes, temperature sensors, control cabinets

Projects

Client	Industry	Project	Country of Client	Site Location	Date	Scope of Work	Type of Product
Rosneft	Oil and gas	Komsomolsky Refinery	RU	RU	2008	Project design, supply	Series-resistance heating cables
Rosneft	Oil and gas	Kynskoye Field	RU	RU	2008	Project design, supply	Series-resistance heating cables
Rosneft	Oil and gas	Igolsko-Talovoe	RU	RU	2008	Project design	Series-resistance heating cables
LUKOIL	Oil and gas	Varandey Terminal	RU	RU	2008	Project design, supply, installation, commissioning	Self-regulating heating cables, skin-effect heating system, longline system, junction boxes, temperature sensors, control cabinets
LUKOIL	Oil and gas	Toraveyskoye Field	RU	RU	2008	Project design, supply, installation, commissioning	Skin-effect heating system
Transneft	Oil and gas	Eastern Siberia – Pacific Ocean Pipeline System (ESPO -2)	RU	RU	2008	Project design, manufacturing, supply	Self-regulating heating cables, skin-effect heating system, longline system, insulation, junction boxes, temperature sensors, control cabinets
Novomoskovskiy Azot, EuroChem	Chemical	Carbamide Granulation Unit	RU	RU	2007	Project design, supply	Self-regulating heating cables, junction boxes, temperature sensors, control cabinets

Projects

Client	Industry	Project	Country of Client	Site Location	Date	Scope of Work	Type of Product
Shchekinoazot	Chemical	UFC and Formalin Producing Plant	RU	RU	2007	Project design, supply	Self-regulating heating cables, junction boxes, temperature sensors, control cabinets
Shchekinoazot	Chemical	Methanol M-450 Producing Plant: Enlargement of the Operating Plant	RU	RU	2007	Project design, supply	Self-regulating heating cables, junction boxes, temperature sensors, control cabinets
Turgai Petroleum	Oil and gas	Kumkol Field	KZ	KZ	2007	Project design, supply	Self-regulating heating cables, junction boxes, temperature sensors, control cabinets
Rosneft	Oil and gas	Vankor Field	RU	RU	2007	Project design, supply, installation, commissioning	Skin-effect heating system
Rosneft	Oil and gas	Komsomolskoye Field	RU	RU	2007	Project design, supply	Series-resistance heating cables
Rosneft	Oil and gas	Priobskoye Field	RU	RU	2007	Project design, supply	Series-resistance heating cables
Rosneft	Oil and gas	Prirazlomnoye Field	RU	RU	2007	Project design, supply, supervision, commissioning	Series-resistance heating cables

Projects

Client	Industry	Project	Country of Client	Site Location	Date	Scope of Work	Type of Product
LUKOIL	Oil and gas	Usinskoye Field	RU	RU	2007	Project design, supply, installation, commissioning	Self-regulating heating cables, skin-effect heating system, junction boxes, temperature sensors, control cabinets
LUKOIL	Oil and gas	Perevoznoye Field	RU	RU	2007	Project design, supply, installation, commissioning	Skin-effect heating system
Transneft	Oil and gas	Eastern Siberia – Pacific Ocean Pipeline System (ESPO-1)	RU	RU	2007	Project design, manufacturing, supply	Self-regulating heating cables, skin-effect heating system, longline system, junction boxes, temperature sensors, control cabinets insulation
Rosneft	Oil and gas	Verkhnechonskoye Field	RU	RU	2007	Project design, supply	Series-resistance heating cables
Rosneft	Oil and gas	Vankor Field	RU	RU	2006	Project design, supply	Skin-effect heating system, self-regulating heating cables
LUKOIL	Oil and gas	Kharyaga Field	RU	RU	2006	Project design, supply, installation, commissioning	Self-regulating heating cables, skin-effect heating system, junction boxes, temperature sensors, control cabinets
LUKOIL	Oil and gas	Yuzhno-Shapkinskoye Field	RU	RU	2006	Project design, supply, installation, commissioning	Skin-effect heating system

Projects

Client	Industry	Project	Country of Client	Site Location	Date	Scope of Work	Type of Product
LUKOIL	Oil and gas	Tedinskoye Field	RU	RU	2006	Project design, supply, installation, commissioning	Skin-effect heating system
Rosneft	Oil and gas	Tyamkinskoe Field	RU	RU	2006	Project design, supply	Self-regulating heating cables, series-resistance heating cables, longline system
Rosneft	Oil and gas	Russkoye Field	RU	RU	2006	Project design, supply, installation, commissioning	Self-regulating heating cables, longline system
LUKOIL	Oil and gas	Vozeyskoye Field	RU	RU	2005	Project design, supply, installation, commissioning	Self-regulating heating cables, junction boxes, temperature sensors, control cabinets
M-I SWACO, Schlumberger	Oil and gas	Chaivo wellsite	RU	RU	2005	Project design, supply	Self-regulating heating cables, junction boxes, temperature sensors, control cabinets
LUKOIL, RITEK	Oil and gas	Sredne-Khulymskoye Field	RU	RU	2005	Project design, supply	Self-regulating heating cables, junction boxes, temperature sensors, control cabinets
Rosneft	Oil and gas	Verkhnechonskoye Field	RU	RU	2005	Project design, supply	Self-regulating heating cables, series-resistance heating cables

Projects

Client	Industry	Project	Country of Client	Site Location	Date	Scope of Work	Type of Product
Rosneft	Oil and gas	Kalchinskoe Field	RU	RU	2005	Project design, supply	Self-regulating heating cables, series-resistance heating cables, longline system
LUKOIL, RITEK	Oil and gas	Sandibinskoye Field	RU	RU	2004	Project design, supply	Self-regulating heating cables, junction boxes, temperature sensors, control cabinets
LUKOIL, RITEK	Oil and gas	Booster Pump Station in Numgi	RU	RU	2004	Project design, supply	Self-regulating heating cables, junction boxes, temperature sensors, control cabinets
LUKOIL	Oil and gas	Tedinskoye Field	RU	RU	2003	Project design, supply	Self-regulating heating cables, skin-effect heating system, junction boxes, temperature sensors, control cabinets
LUKOIL, RITEK	Oil and gas	Sandibinskoye Field	RU	RU	2004	Project design, supply	Self-regulating heating cables, junction boxes, temperature sensors, control cabinets
LUKOIL, RITEK	Oil and gas	Booster Pump Station in Numgi	RU	RU	2004	Project design, supply	Self-regulating heating cables, junction boxes, temperature sensors, control cabinets
LUKOIL	Oil and gas	Tedinskoye Field	RU	RU	2003	Project design, supply	Self-regulating heating cables, skin-effect heating system, junction boxes, temperature sensors, control cabinets

Projects

Client	Industry	Project	Country of Client	Site Location	Date	Scope of Work	Type of Product
Transneft	Oil and gas	Sheskharis Transshipment Complex	RU	RU	2003	Project design, manufacturing, supply	Self-regulating heating cables, series-resistance heating cables, junction boxes, temperature sensors, control cabinets
Gazprom Neft	Oil and gas	Peschanoye Field	RU	RU	2003	Project design, manufacturing, supply	Self-regulating heating cables, junction boxes, temperature sensors, control cabinets
LUKOIL, RITEK	Oil and gas	Kislorskoye Field	RU	RU	2003	Project design, supply	Self-regulating heating cables, thermal insulation, mineral-insulated heating cables, series-resistance heating cables, junction boxes, temperature sensors, control cabinets
LUKOIL, RITEK	Oil and gas	Krasnoleninskoye Field	RU	RU	2003	Project design, supply	Self-regulating heating cables, junction boxes, temperature sensors, control cabinets
ALROSA	Infrastructure	Mirny Town Children's Health Center	RU	RU	2003	Project design, manufacturing, supply	Self-regulating heating cables, junction boxes, temperature sensors, control cabinets
Rosneft	Oil and gas	Mazout storage tanks of Novokuibyshevsk Refinery	RU	RU	2002	Project design, supply, installation, commissioning	Self-regulating heating cables
LUKOIL, RITEK	Oil and gas	Serginskoye Field	RU	RU	2002	Project design, supply	Self-regulating heating cables, junction boxes, temperature sensors, control cabinets

www.sst.ru/en
www.gammaswiss.com

Europe

Switzerland
+41 245345900
infoch@sst-international.com

Germany
+49 9343 98091-00
info@sst-international.com

Middle East & India

United Arab Emirates
+97 1544441205, +97 1569712266
sales-me@sst-international.com

India
+91 9810379128
sales@sstthermal.com

Russia & CIS

Russia
+ 7 495 627-72-55
info@sst-em.ru

Ukraine
+38 044 499-11-22
market@teploluxe.ua

REFERENCE LIST
SUCCESS STORIES

Reference-List-SST Group-SE-030320