



SMART TECHNOLOGIES FOR COMFORTABLE LIVING

INNOVATION

RELIABILITY

QUALITY

DEVELOPMENT

25
YEARS





25 YEARS

OF EXCELLENCE

Foreword

We place significant value on client and partner trust, providing the highest quality and most reliable systems and solutions

25 years ago, modern technologies seemed like a figment of a sci-fi movie. Today, cutting-edge telecom and digital systems open endless opportunities for communication and information exchange. Innovative materials and automated production lines allow the production of instruments and devices with unlimited lifespan. Smart technologies of the Internet of Things help with daily routine tasks, freeing up time for communication with our loved ones and for self-development. We learned how to spend our resources efficiently and obtain energy from alternative sources.

Just as the world around us has changed significantly, SST Group has evolved at a similar pace with the only thing remaining constant being our values and commitment to excellence. Over the course of 25 years, SST Group has been creating solutions to make the world a better place. Our systems and solutions create a new level of comfort for millions of people and a new level of security for thousands of companies. We are the number one in Russia and one of the world's largest providers of residential and commercial heating cable solutions and industrial heat tracing systems, exporting our products to 47 countries.

We are open to fostering long-term partner relationships with those who share our values, consider innovation a key driving force within business, and wish to make their customers the number one priority.

We are proud of our achievements over the past 25 years and continue to strive toward making our world a better, safer place.

Michael Strupinskiy
CEO of SST Group



SST Group – Competence and Technology Centre

SST Group facilitates the import substitution process in Russia as well as exports its products to 47 countries worldwide

Founded in 1991, SST Group is the largest in Russia and one of the world's largest providers of residential and commercial heating cable solutions and industrial heat tracing systems.

We are a national competence and industry expertise centre in the area of electric heating systems and heating cable based solutions designed for domestic, commercial and industrial use.

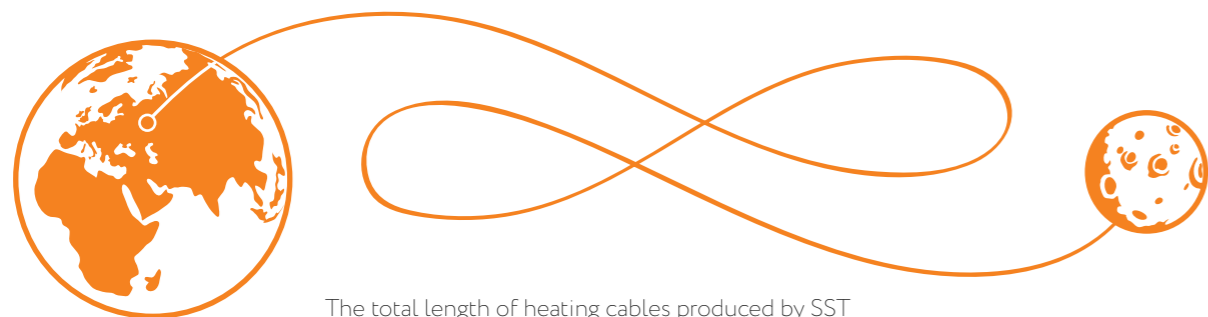
SST Group is a vertically integrated holding that employs over 2000 specialists. The Group encompasses four production plants, an industrial R&D centre, an engineering company, several distribution companies, and an international branch network.

We accompany each one of our products throughout every stage of the life cycle: from consulting & project design to serial production, servicing & post-guarantee service.

We provide our partners with competitive advantages by the means of exceptional service quality, innovative products, and comprehensive business development support.

13 000 000
heating systems
installed worldwide are
produced by SST Group

5 500 000
of temperature control
equipment units
produced by SST Group
are used for operating
heating systems



The total length of heating cables produced by SST amounts to over

1 300 000 km,

three times greater than the distance between the Earth and the Moon



Group Structure



Manufacturing:

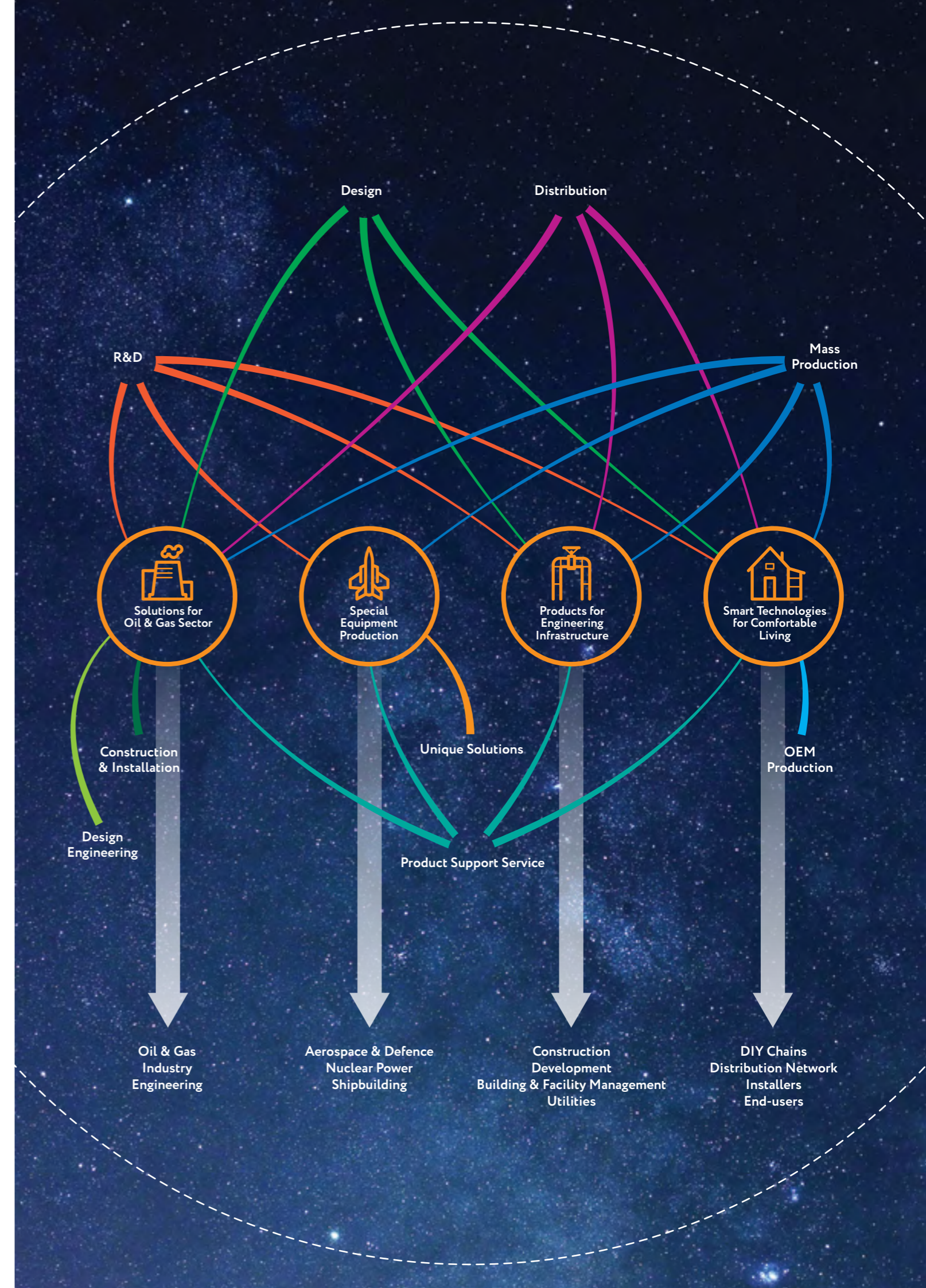
- SST Warm Floors
Electric heating systems and electrical equipment: underfloor heating, thermostats, outdoor electric heating solutions.
- SDB Gamma
Conductive plastics and self-regulating heating cables.
Flexible stainless steel tubing and accessories.
All types of heating cables, control cables, connection cables and other types of cables.

Engineering:

- SST Energomontage
The largest Russian provider of turnkey solutions in the area of electric cable heating, thermal insulation and electric engineering. The company is a recognized expert in design, installation, start-up and commissioning of cable heating systems.

Sales:

- Teploluxe Group
- SST Energomontage
- SDB Gamma
- Electrical Systems and Technologies
- SST Belarus
- SST Kazakhstan
- SST Ukraine
- i-warm GmbH
- warm-on GmbH
- SST GmbH



Smart Technologies for Comfortable Living

We guarantee top-level quality of each of our products and their flawless operation over decades

A quarter of a century ago, we were the first in Russia to start producing underfloor heating systems. It was a serious technological breakthrough, which enabled millions of Russians to increase their quality of life.

25 years later, we are still coming up with solutions for a better, more comfortable living within any space. Our product offering comprises all types of underfloor heating, our own brand of thermostats and sensors, water leakage protection systems, and electric heating solutions for premises with increased levels of humidity.

We come up with solutions for those who seek simple, effective and high-quality equipment, for those who value sophisticated high-end technology, and for active users of mobile devices.

Our products are designed to provide comfort and safety in apartments and homes, creating a healthier climate in living spaces.

We have created smart technologies reliable and affordable. Our products and systems can be found in all major DIY stores, at our dealerships and partners, as well as in authorised online stores.

All types of underfloor heating systems: cable, hydronic, heating film, mobile, ultra-thin

Thermostats: electronic, programmable, dual-zone, with touchscreen display, controllable from a mobile device

Solutions for spaces with high levels of humidity: floor heating, electric towel heaters, mirror demisters, mould prevention systems

Anti-freeze & de-icing systems for domestic pipes

Anti-freeze systems for roofing, gutters, and open spaces

Water leak control systems

Wiring accessories

Underground heating systems for hothouses



Home Comfort & Security Systems



Electric Underfloor Heating

SST Group electric underfloor heating systems have gained significant customer loyalty thanks to their high durability, energy efficiency, simple installation process and ease of use

Electric underfloor heating is a modern and ecological solution for maintaining consistent temperature in living spaces. It creates an even distribution of temperature conducive to better health while being completely invisible within a room's interior.

SST Group produces well-known electric underfloor heating brands Teploluxe, Teploluxe Profi, National Comfort, Green Box as well as a variety of "white label" brands for large distributors and retail chains. Our line of underfloor heating products comprises solutions for living spaces of any configuration or purpose, as well as for any type of floor surface.

Underfloor electric heating systems are completely safe and can be used for heating any space in an apartment or house. Most often, heated floors tend to be installed in kitchens, bedrooms, children's rooms, dining rooms, entrance halls, and in bathrooms. The installation process does not require special agreements.

Warm floors based on heating cables or carbon film can be installed under various surfaces: ceramic tiles, natural stone, laminate, and linoleum.

Electric underfloor heating is a reliable and durable solution for achieving maximum comfort in the home, guaranteed to last up to several decades.



Solutions for areas with high humidity

SST Group manufactures a range of special products for heating, water supply, and dehumidifying, many of which are unique and cannot be found anywhere else on the Russian market

The 'Doktor Sukhov' mould prevention system is especially designed for areas with increased humidity. It is designed for installation under the ceramic or stone tiles and borders in order to remove moisture in hard-to-reach places of bathrooms, shower rooms, swimming pools, saunas, kitchens and other premises of high humidity. The system operates via a special timer with an automatic switch-off. Efficiency of the 'Doktor Sukhov' mould prevention system is confirmed by the Erismann Federal Research Centre for Hygiene.

SST Group also manufactures a range of ultra-thin electric glass towel rails Teploluxe Flora. These stylish units ensure quick and even drying of textiles, while not deforming or stretching them. Teploluxe Flora can also be mounted to a wall and be used as a room heater in various living and office spaces. Sahara and Savanna metallic towel rails are designed for drying textiles and for providing additional heating in bathrooms.



Teploluxe Mirror is a foil heater and the best solution for demisting mirrors. It is designed for preventing condensate formation on mirrors in bathrooms or any other premises. The condensate evaporates off the mirror surface when the heater is switched on. Teploluxe Mirror takes mere seconds to install, provides added comfort in bathrooms and other spaces with increased humidity.



De-icing systems

Our de-icing systems provide protection for people and vehicles as well as increase the lifespan of roofs, road surfaces, guttering, and communal systems

Heavy snowdrifts on roofs, rows of hanging icicles, and icy patches underfoot – these companions of the Russian winter can be potentially dangerous, and are a nuisance for pedestrians, car drivers, building owners, and management companies. To combat these annual winter problems, SST Group has come up with a range of modern and effective de-icing systems based on electric heating cables.

De-icing systems for roofs and gutters provide relief from melt water, thereby preventing icicles. This method of combatting icicles is one of the most cost-effective technologies currently available. Melt water channels are heated automatically and work only during periods where there is likelihood of ice formation.



Heating systems for open spaces cause snow to melt and prevent ice formation on roads, stairways, ramps, and railway tracks. These systems protect pedestrians and ensure a safer, more comfortable environment. In addition, use of the heating system eliminates the need for mechanical cleaning and use of reagents.

SST Group electric heating systems, installed on pipes, protect them from freezing thereby significantly increasing their lifespan, as well as reducing the need for frequent safety maintenance works.

SST also produces a series of special regulating equipment, sensors, and installation accessories for de-icing systems. Our customers can find solutions for any type of buildings and facilities.



Solutions for Water Supply Systems & Hydronic Underfloor Heating



Flexible corrugated tubing

Neptun IWS flexible corrugated stainless steel tubes and fittings are a universal solution for engineering communications

SST Group is Russia's only manufacturer of corrugated stainless steel tubes. Neptun IWS corrugated tubes are used in hydronic underfloor heating systems, central heating, guttering, firefighting equipment, and in gas and electric systems for buildings.

The Neptun IWS corrugated pipes are produced using SS304 high-alloy stainless steel, which possesses excellent resistance to corrosion and can withstand aggressive environments. Thanks to low carbon content, SS304 stainless steel possesses qualities conducive to better welding and provides protection from spot welding and shell corrosion.

The Neptun IWS is ideally suited to construction projects with complicated configurations due to its flexibility. Its bending radius of 2Ø allows it be laid along cable routes with complex geometric layouts, that would be unreachable for other types of tubes. Neptun IWS corrugated tubes can be used with liquids of up to 110 °C. The tubes can withstand water pressure of up to 60 Bar.

Using Neptun IWS corrugated pipes does not require welding or soldering. All joining is completed with the help of Neptun IWS quick-connecting brass fittings. The fittings enable solid connection to Neptun IWS tubes, all of which have been approved by the Scientific Research and Development Institute of Plumbing.

Neptun IWS corrugated tubes and fittings are completely safe and eco-friendly. They are authorized for use with drinking water systems as certified by Sanitation Rules and Regulations.

Neptun IWS corrugated tubes and fittings are ideal for installation of automatic fire-extinguishing systems in suspended ceilings, in hard-to-reach places that present installation obstacles, as well as in places where welding is forbidden. The use of Neptun IWS tubes and fittings in fire-suppression systems has been approved by Russia's Emercom State Firefighting Academy, which has also certified their compliance with fire safety regulations.

The service life of Neptun IWS tubing is minimum 30 years, with a lifetime guarantee from the manufacturer.



Hydronic underfloor heating based on corrugated stainless steel tubing

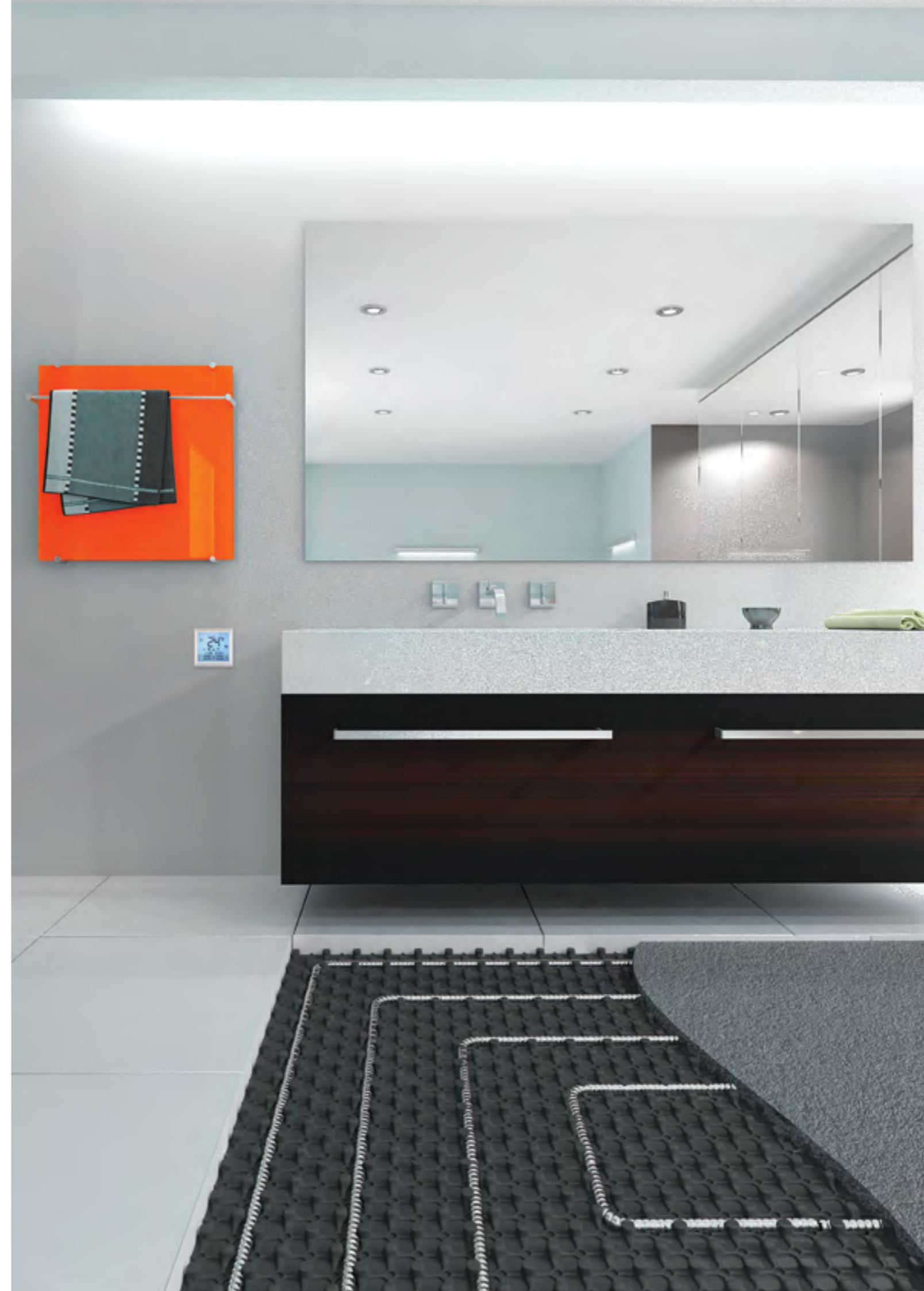
Neptun IWS hydronic underfloor heating is an energy-efficient, ecological, and durable solution for private housing

Hydronic underfloor heating is an economical solution for house engineering systems. If you have a boiler system at home, then hydronic underfloor heating is the optimal solution for creating a comfortable climate.

Neptun IWS hydronic underfloor heating systems are based on SST Group-produced stainless steel corrugated tubes that meet the full set of requirements when it comes to home comfort. Neptun IWS is built using high-alloy stainless steel tubes that possess the same heat conducting qualities as those found in copper tubes, but are more durable and just as cost-effective as those made of polypropylene.

Using Neptun IWS flexible corrugated tubes noticeably increases the energy efficiency of water-heated flooring. At the SST Group testing centre, comparisons were carried out between hydronic underfloor heating systems using SS304 corrugated stainless steel tubes and pipes from PEX (polypropylene). Results from the experiment demonstrated that the heat yielded by the system using 15 mm diameter corrugated stainless steel tubes was 20% greater than that of the 16 mm PEX pipe system.

SST Group offers a full range of own-brand accessories for hydronic underfloor heating, as well as accessories by leading Russian and European manufacturers. We also offer a professional programme for individual equipment selection for consumers and distributors.



Water leak control systems

Neptun is one of the most renowned and popular water leak control systems in Russia

Every year, thousands of accidents related to water supply and heating occur. They cause flooding not only in the owner's home but also in their neighbours'. The cost of repairing the damage can add up to hundreds of thousands of roubles. Water leak control systems can be used to prevent this type of flooding, the most famous of which is Neptun, produced since 2000 by SST Group.

Neptun reacts almost instantly to water leakage: the water flow is stopped within 20 seconds of coming into contact with the sensor. Simultaneously, the system activates audio and visual signalling, and send customers notifications of any leakages via SMS. The Neptun systems run automatically and are guaranteed for safe use with domestic and industrial water supply and heating systems, particularly for cases when people are absent.

Neptun is easily integrated into 'Smart House' systems, being connected with security, fire protection and monitoring systems.

Key water leak control system components:

- Water leak control sensors, which upon coming into contact with water send a signal to the control module
- Control modules, which, upon receipt of the signal from the sensors, apply pressure on the ball valves, which in turn enable audio and visual alert
- Ball valves, which stop the flow of water in a matter of seconds

The functionality of key system components can be changed by choosing SST Group accessories with the necessary features and using additional equipment, such as a valve connection unit, a water sensor extension unit, radio relay equipment, routers, sensor alarms, and other installations.

In 2016, SST Group launched the Neptun ProW+WiFi mobile app for remote control of water leak prevention systems and monitoring of water consumption. This is a convenient solution for the modern consumer, who values comfort, avoids taking unnecessary risks, cares about his home and likes to manage his or her time effectively.



Thermostats & Electrical Equipment



Thermostats

SST Group thermostats with various control settings allow you to select any option for underfloor heating so that you minimise your energy consumption, while maintaining the optimum comfort level

Thermostats control underfloor heating systems, while regulating and optimizing your energy consumption. SST Group product line contains thermostat models to suit any lifestyle or routine. Programmable thermostats ensure energy savings of up to 70%, while models with Wi-Fi modules allow for your home's temperature to be controlled from anywhere in the world through a mobile app.

Simple electromechanical models for basic temperature control keep temperature constant if the user does not need to program special scenarios.

Digital models will inform the consumer about the heating temperature.

Programmable thermostats allows for the underfloor heating system to run on an individual timer system and for heating to be automatically switched on and off at any given time.

We also provide thermostats with Wi-Fi modules – innovative devices designed for controlling heating systems directly from your smartphone or tablet.

Thermostats ensure energy saving of
up to 70%



Low-voltage electrical equipment and wiring accessories

SST Group is the exclusive distributor of Hager Group in Russia — a leading supplier of solutions and services for electrical installations in residential, commercial and industrial buildings

The company "Electrical Systems and Technologies", a division of SST Group, holds exclusive distribution rights for Hager products in Russia. Hager Group is a German manufacturer of products ranging from energy distribution through cable management and wiring accessories to building automation and security systems.

Hager equipment is used for assembling control cabinets in civil and industrial construction. Hager produces enclosures, modular and power units, system components for connecting main switchboards (MSB), input distribution boards and secondary distribution boards, including power shields, control panels, power consumption meters, lighting fuse boxes, emergency lighting control boxes, apartment switchboards, mechanical switchboards, and other types of equipment.

Through cable ducts, columns, units and electrical equipment, Hager provides cutting-edge solutions for office spaces. Steel and aluminium channels allow for the creation of tailored solutions in contemporary or classic designs. One of the Hager's noteworthy electrical products is its wide range of low-voltage power sockets for hotels and offices. There are also special solutions available for flats, halls, and meeting rooms for giving presentations or that are equipped with video conferencing systems.

Hager's main manufacturing sites are located in Germany and France.



**SST Group —
Russian Technologies,
World-Class Quality**



Innovations

The key development factor of SST Group is our constant search for new technical solutions and innovative approach

Every year SST Group presents new products and solutions to consumers, created through development and research carried out at our own R&D centre.

SST Group occupies one of the leading positions amongst Russian industrial enterprises in terms of percentage ratio of technical and engineering personnel to that of the company's total workforce. The majority of employees within the Group's divisions have higher education, while many of the managers and leading specialists hold degrees in science. Our experts possess a wealth of experience in the area of product development, refinement and deployment, new technologies, evidenced by a multiple number of patents.

The majority of SST Group developments are innovations with an application in domestic and international industry. Our solutions ensure safe operating environments for strategic industries, while also providing a safer environment and favourable living conditions for local residents. SST Group products possess unique technical and operational characteristics, and fulfil all the necessary energy efficiency and ecological requirements.

Our Unique Developments:

Conductive plastics for self-regulating heating cables

Heating systems for IRSN 15000 extra-long pipelines (skin system)

InWarm insulation coatings and materials

Heating technology for underwater pipelines based on skin effect

Ultra-thin heating mats for laminate flooring and carpeting (Teploluxe Alumia)

Stream Tracer – energy efficient solution for heating oil wells to prevent formation of heavy oil deposits

Teploluxe Profi electric floor heating with a lifetime guarantee

Neptun water leakage protection system

Heating systems management software for mobile devices



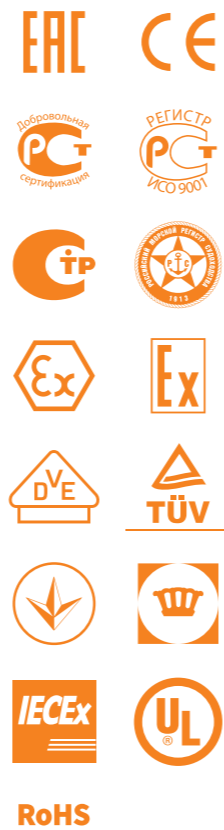
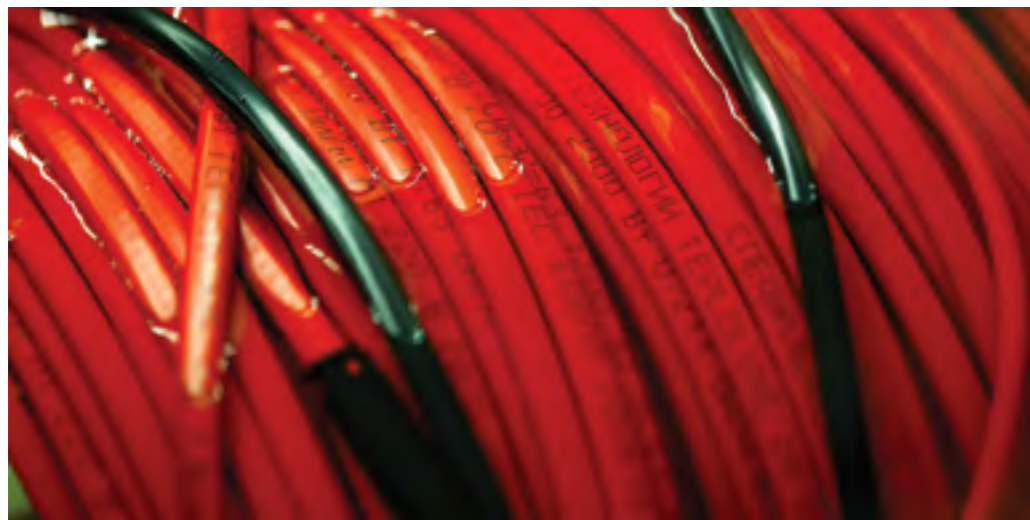
World-Class Quality Standards

Ongoing multistage quality control of our products and constant refinement of the manufacturing process allows SST Group-manufactured products to surpass its overseas counterparts

Since 2004, the ISO 9001:2000 international quality management system has been implemented in SST Group.

In 2013, the unified system of quality management adopted by SST Group was certified in accordance with the new requirements issued as part of ISO 9001:2008 and GOST ISO 9001-2011.

SST Group products have been certified in accordance with international standards by some of the largest European certification centres: VDE, SGS, Demko, and NANIO CCVE. Industrial heating systems manufactured by SST Group have been certified by the International Electrotechnical Commission as suitable for use in explosive environments (IEC Ex).



Distribution

We export our products and solutions to 47 countries worldwide and are the global supplier for several of the world's largest distributors and retail chains

SST Group fosters long-term relations with trade companies on the grounds of responsible partnership and creation of optimal conditions for business development. We accompany each one of our products at all stages from production through to end-user. We take full responsibility for all of our products' operational and servicing issues, which allows our partners to focus their efforts on business development.

For each of our partner categories there is a unique pool of services, taking into account the peculiarities of different distribution channels. We propose an optimal format for collaboration, for both international and federal retail chains, as well as for oil & gas equipment suppliers, specialist installation companies, and engineering enterprises.



Handy tools for ordering online and tracking consignments



Tailored warehousing programmes



A network of distribution centres with full product range inventory



Efficient order batching in accordance with European standards



Delivery to stores or partner distribution centres within 24 hours



Hotline and service centre for buyers



Guaranteed customer service throughout all countries where SST Group products are sold



Promotional, marketing and technical support



Education and training for personnel



OEM serial production under the client's brand name



Social Responsibility

Our responsibility towards social wellbeing and development is not just limited to economic factors. SST Group regularly carries out a number of projects that have a significant positive social impact

SST Group supports and develops social initiatives at municipal, regional, and federal levels. Our initiatives include an environmental awareness project in conjunction with the Moscow Zoo, several art projects in collaboration with the Mytishchi Art Gallery, and humanitarian action for veterans of the Great Patriotic War.

SST Group has devised a career guidance and development scheme for school pupils and university students. We offer support to senior school students aimed at helping them achieve higher technical education qualifications, to undergo practical training and start a career working in one of the Group's enterprises. Since 2013, as part of the SST Group collaboration with the Moscow Energy Institute (MEI) National Research Institute (NRI), student Olympiads have been held at the SST Group Head Office. Over the past four years, around 900 students have competed the Olympiad at our premises. SST Group is actively engaged in collaborating with the Technical University at the Korolyov research and development facility, as part of which it has created a 'Study Zone' where students can carry out their practical studies.

We are proud of our R&D center developments and innovations, the cutting-edge technical solutions developed by our team, and of our projects implemented on both the national and global scale.

SST Group carries out a range of development programmes aimed at fostering innovation within marketing, technical and operational areas. In order to help employees gain more qualifications we run our own training centre.

We support employee initiatives, aimed at promoting an active and healthy lifestyle. SST Group regularly holds tournaments for various sports; our teams take part in regional and department competitions. In addition, through taking part in comedy show games, drama performances and photography workshops, our employees are able to realise their true creative potential.



Made in Russia, Delivered Worldwide




Fully compliant with all international quality and safety standards, SST Group products are exported to 47 countries worldwide



SST Group European Office
Lauda-Königshofen, Germany



SST Group Head Office
Mytishchi, Moscow Region

-  – Headquarters
-  – Representative offices
-  – Regular export supplies

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