Highest A+ category ("Leaders")
in the all-Russian project
"Leaders in Corporate Philanthropy"

VESTI

Sakhalin Energy

JULY 2021

One of the highlights of the XXIV St. Petersburg International Economic Forum was the signing of long-term contracts between Sakhalin Energy and Sovcomflot. Read more on page 2

forum

Economy of New Reality

The 2021 St. Petersburg International Economic Forum (SPIEF-2021), held from 2 to 5 June, became a symbol of return to the normal life and, at the same time, the first step forward for business since the beginning of the pandemic. The forum was attended by Roman Dashkov, Sakhalin Energy Chief Executive Officer *(for more information, go to page 2)*.

SPIEF-2021 brought together more than 13 thousand people, three thousand of whom came from 68 foreign countries. The geography of the businesspeople who attended the event was truly impressive – from the USA and China to Qatar and South Korea. They signed about 800 agreements, worth a total of almost 4 trillion roubles, covering a wide range of areas: socio-economic and interregional cooperation, high technology, banking, education, and science, reflecting the main theme of the forum, "Together Again. The Economy of the New Reality".

"We are happy that after such a long-forced break it is Russia that hosts the first major international business event, where representatives of the global business community can communicate with each other not only through modern telecommunications channels, but also face to face," said President Vladimir Putin, greeting the participants of the plenary session.

The eventful programme of SPIEF-2021 included more than 150 business sessions, expert panels, and round tables, which covered a wide range of problems. The key topic of the forum —Together Again. Economy of New Reality – sounded more relevant than ever. Personal and business contacts are gradually being restored, opportunities are opening up for launching promising or postponed projects. This is what Vladimir Putin said on the sidelines of the forum in an interview with the managers of large foreign companies.

The SPIEF-2021 business programme was divided into four areas: Joining Forces to Advance Development, Delivering on National Development Goals from targets to Results, The Human Factor in Responding to Global Challenges, and New Technology Frontiers. As regards the latter, the forum participants presented unique developments, really breakthroughs that had recently seemed totally impossible. The spectacular, fascinating interactive exhibitions allowed visitors to get a glimpse into the future – the future that guests of the 24th Economic Symposium could touch. Medical robots consulted the guests. Tula samovars told them about the latest technology. A neural implant development laboratory presented a neurochip that could restore vision. Most of the inventions had been developed by Russian companies.

At SPIEF-2021, much attention was paid to environmental issues. In particular, the government is expected to develop a plan to reduce atmospheric emissions by 2050 to a level lower than that in the EU, and preparing, by July 2022, a regulatory framework for implementing climate projects in the Russian Federation.

Over the course of SPIEF-2021, more than 150 business sessions, expert discussions and roundtables have been held, covering a wide range of issues.Personal and business contacts are now gradually being restored, and opportunities are opening up for launching promising or previously postponed projects. The President of Russia said this on the sidelines of the forum via videoconference with the heads of the largest companies.

In his busy schedule, Vladimir Putin found time for an online meeting with the heads of the world's leading news agencies, such as Bloomberg, Associated Press, Reuters, France-Presse, and others. He confessed that such meetings are where the most interesting things begin and compared this part of the programme to "dessert". And so, it turned out – everyone was asked about everything. Journalists got comprehensive answers to their questions. They also said that they would like to have a personal meeting next year. The President, in his turn, advised everyone to get vaccinated with Russian vaccines.

The 24th St. Petersburg Forum will be long remembered not only for the bold declarations and signed agreements, but also for its friendly atmosphere and, of course, unprecedented anti-COVID-19 measures. After a year's break caused by quarantines and lockdowns, the Forum went down in history as the first major international offline event since the start of the pandemic. SPIEF-2021 announced to the whole world that we are "Together Again".

CURRENT EVENTS

1 June
Sakhalin Energy has announced a competition for the best video "Professional Life Hacks" as part of "The Peak" corporate championship

7 June
Sakhalin Energy has launched an internal survey on continuous improvement

8 June
The company has launched a stakeholder survey on the effectiveness of communication about the Sakhalin-2 project

11 June
As part of "The Peak" corporate championship the first webinar on professional development was held

15 June
The company's publications within the framework of the Year of Indigenous Languages was recognised as the best in All-Russian competition "in the Union of Word and Kindness"

2000th
standard LNG cargo was shipped since the launch of the plant at the Prigorodnoye production complex
Details on page 7

issue's topic

Staying the Green Course

One of the most significant events of the XXIV St. Petersburg International Economic Forum was the signing of long-term contracts for the chartering of two "green" oil tankers between Sakhalin Energy and Sovcomflot. Roman Dashkov, Sakhalin Energy Chief Executive Officer – the operator of the Sakhalin-2 oil and gas project, talked to Kommersant about the specifics of the new ships and the company's contribution to decarbonisation.

– What is the fundamental difference between the new tankers and the ones used in the project before?

Their key advantage is the ability to use liquefied natural gas as their main type of fuel, which helps substantially reduce the amount of greenhouse gases emitted from these ships into the atmosphere. The two sister oil tankers, Korolev Prospect and Vernadsky Prospect, will be working on the Sakhalin-2 project for ten years, starting in 2024. The tankers meet the current requirements for safety, technical equipment, and energy efficiency, conform to Russian and international environmental standards, and are built to a strong ice class for efficient operation in winter conditions.

– The "green" agenda is becoming increasingly popular worldwide. Is the company striving to follow this global trend by chartering environmentally-friendly vessels?

This is more than just striving. The long-term success of any enterprise depends on the efficiency of its production processes. Sakhalin Energy is one of the leaders of the global oil and gas industry. It was under the Sakhalin-2 project that the first offshore oil and gas production platforms were installed on the Russian shelf and the first LNG plant in Russia was built. We never stand still; we need to develop constantly to live up to our mission, which is to be a premier energy supplier on the global market. Continuous improvement of business processes is part of the company's DNA and the cornerstone of our years-long economic resilience.

It was five years ago that Sakhalin Energy began to actively analyse the market and study trends, forecasting the future need for increased attention to environmental issues and reduction of the carbon footprint left by production. Signing this contract with Sovcomflot is a logical follow-up to this forecast, whereby we continue to implement our long-term strategy that relies on our shareholders' plans and best practices.

– Such as?

For instance, Gazprom and Shell are working on the Sakhalin-2 project together. This year, they signed a Strategic Cooperation Agreement for five years. In this agreement, particular attention is paid to decarbonisation in the European energy sector. And it is emphasised that due to its ecological properties, natural gas can play a significant role when it comes to Europe's environmental goals. This fits perfectly with Sakhalin Energy's position.

As a safe and commercially viable fuel, natural gas successfully competes with other mineral energy sources – oil and coal. In this context, the increased focus on environmental issues further strengthens LNG's position as it is very compatible with emerging renewable technologies.

It is very popular in the Asia-Pacific region, especially in Japan. As of the end of 2020, the largest volume of LNG under the Sakhalin-2 project, that is, 51.6%, was shipped to there from Prigorodnoye Port. Also, Japanese gas and electricity supply companies have begun to show an interest in buying carbon-neutral LNG.

We are already working on entering the new market by supplying carbon-neutral LNG with due regard to customers' requirements. The supply of such lots, in addition to the company's other products, will be offered the company to buyers in the future.

Moreover, the Sakhalin-2 project can play an important role in implementing similar plans of our shareholders. We have everything we need for that, including technology, resources, and, of course, the unique expertise of the company's specialists.

– This year, President Vladimir Putin set a goal to reduce the amount of greenhouse gas emissions accumulated in Russia to a lower level than that in the European Union by 2050. What can Sakhalin Energy offer in that respect?

Preventing global climate change is the goal of the entire world community. The Paris Agreement, which Russia signed in 2016, is aimed at achieving this goal. As a responsible oil and gas project operator, Sakhalin Energy has made the "green" agenda its top priority. This lets us keep an environmental balance in the host region, and, at the same time, maintain trusting relationships with our customers when it comes to global trends in environmental protection.

Over the past few years, the company has reduced its energy consumption and emissions of pollutants and greenhouse gases mainly due to the increased reliability and efficiency of its equipment, optimisation of technological processes, gas flaring management, disposal of oil-associated gas, as well as control and prevention of leaks.

– And as a result…

We are a leading company in terms of greenhouse gas emissions per unit of output. According to the data published by the independent energy research and business intelligence company Rystad Energy, in 2019 our oil and gas production platforms demonstrated one of the lowest greenhouse gas emission levels per barrel of oil equivalent, placing us second worldwide in terms of work efficiency.

Reduction in greenhouse gas emissions is closely tied to the effective use of energy resources. Natural gas has the biggest share in the company's energy mix – 96–97%. From an environmental standpoint, it is the cleanest organic fuel there is.

On 4 June, Sakhalin Energy's CEO, Roman Dashkov, and Sovcomflot's CEO, Chairman of the Management Board, Igor Tonkovidov signed long-term charters for green oil tankers. The signing ceremony was attended by Alexander Novak, Deputy Prime Minister of the Russian Federation, Pavel Sorokin, Deputy Minister of Energy, and Alexey Miller, Chairman of the Management Board of Gazprom.

Our energy efficiency indicators are also some of the world's best. Let me give you an example: in 2020, the specific energy consumption at the company's production facilities was 0.65 gigajoules per tonne of hydrocarbons produced. According to the International Association of Oil & Gas Producers, the average figure among international oil and gas companies is 1.45 GJ/t annually.

But the company does not intend to stop there. This year, we presented our Green LNG strategy, aimed at reducing the carbon footprint of the Sakhalin-2 project. This strategy is also meant to help Sakhalin Energy take the lead in the new sector of environmentally-friendly energy products.

– You don't find this goal too ambitious?

Sakhalin Energy has been setting itself the most difficult challenges and successfully overcoming them throughout its history. We don't think that this time will be any different.

As for the strategy itself, it focuses on four areas. First of all, there are nature-based solutions which involve measures to increase greenhouse gas absorption. Such measures include reforestation and afforestation in particular. The next area is our work on raising the efficiency of production processes aimed at reducing specific emissions. The third area encompasses commercial activities related to carbon-neutral LNG supply. The fourth area includes progressive solutions to create an energy "cocktail" based on alternative technologies that drastically reduce greenhouse gas emissions. These may involve the use of renewable energy sources, hydrogen, and conversion of sea and land transport to liquefied natural gas.

The company formed working groups and developed a roadmap to implement this strategy. At the same time, we do our best to synchronise our efforts with the work of government authorities to get the maximum result from these measures as quickly as possible.

Does this mean that there are similar measures being taken at the regional level?

In that respect, a unique situation has arisen in the Sakhalin Oblast. Early in 2021, the Sakhalin Oblast became a pilot region in the all-Russian carbon control experiment. It creates the conditions necessary to integrate technologies that help reduce greenhouse gas emissions. As a result of this experiment, there are plans to establish the first regional system of international carbon trade in Russia and ensure that the region is carbon-neutral by 2025. Working on this experiment, the regional government also takes into account the carbon footprint reduction programs implemented by the major oil and gas companies, Sakhalin Energy included.

Decarbonisation is the local government's and business's common goal. It is a path which is most effective when taken together. It is especially important that this movement continues to gather momentum in Russia. Our country's history has seen many examples of the most insurmountable challenges that we overcame by facing them together. Everything is feasible with due diligence; you just need to set the right course and stay on it.

Source: kommersant.ru

visit

Progress is Evident

In late May, Roman Dashkov, Sakhalin Energy Chief Executive Officer made a traditional trip to the OPFC construction site. During the visit, the CEO was accompanied not only by the representatives from different units of the company, but also by the delegation of Velesstroy under the leadership of its First Vice President, Kreshemir Filipovich.

Such close attention on the part of the leaders and increased control are due to several reasons: the importance of the summer construction period, the upcoming major scheduled shutdown of the gas infrastructure facilities, and by the planned changes to the current EPC contract: it will be transferred to the joint responsibility zone of Sakhalin Energy and Velesstroy, which should reduce the chain of interaction and, as a result, optimize the efficiency of project management and the progress of its implementation. According to the latest appointments, the manager of the project on the part of Sakhalin Energy is Andrey Zaitsev.

In the meantime, Velesstroy continues to increase its presence on-site: in June alone, the number of the contractor's personnel at the facility increased by 300 people. These are mainly employees from other projects implemented in Russia and Kazakhstan. About 80% of them are Velesstroy key employees.

When speaking to the members of the delegation, Roman Dashkov stressed: "It is necessary to make sure that each of the new arrivals clearly knows our safety requirements by the time they enter the site. This is essential for the preservation of our common corporate safety culture." One such requirement is the permanent presence of an HSE manager at the work site. The Sakhalin Energy CEO also reminded those present that the company and its shareholders keep the management of risks associated with work at height and at night, dropped objects and other risk factors, typical for the oil and gas industry, under constant control.

The programme included visiting all key OPFC facilities, in particular, the site of the inlet separators and the construction site for connecting the booster compressor station to the OPF. The leaders were informed about the completion of the installation of two switchboards in the building of the OPFC power complex, and the 80% readiness of the metal structures of the cable supports. Currently, work is being done to install equipment, manufactured by REP Holding and Borkhimmash, at the site of gas pumping units A, B and C. The compressor unit has already been assembled; the installation of the air coolers is underway. The auxiliary building under construction will soon house a repair shop, next to a backup diesel generator. During the visit, Sakhalin Energy and contractor representatives discussed the progress of the project and the action plan for the implementation of the work programme for the summer 2021.

"We have to take maximum advantage of this summer season. All outdoor cable products must be installed in the buildings before the cold weather comes. Moreover, it is necessary to make sure that the general construction work related to the drainage system construction and backfilling of the site to meet the design specification is completed by the start of the winter. It is especially important to conduct the testing of the main process pipelines before the end of the warm period," Roman Dashkov pointed out to the contractor. "Part of the equipment has already been delivered, installed and mothballed," said Vukashin Payevich, the manager of the project on the part of Velesstroy.

During the meeting following the visit, Sakhalin Energy CEO said: "Progress is evident. I am grateful to all contractors working at the site for their well-coordinated work." He drew the attention of those present to the key areas that must be taken care of by the new OPFC construction project management team: the launch of additional works as part of the project scope with an increase in personnel on the site, constant quality assurance and control, and optimisation of the construction schedule. Roman Dashkov concluded at the end of the meeting: "Our main goal is to properly conduct the 2021 scheduled preventive maintenance so as not to have to shut down the production in 2022."

Kreshemir Filipovich confirmed: "We understand the responsibility we have taken on, and we all strive for the best result."

P.S. The next time the leaders of the companies met was less than a week later on the sidelines of the St. Petersburg International Economic Forum. Close collaboration will undoubtedly continue

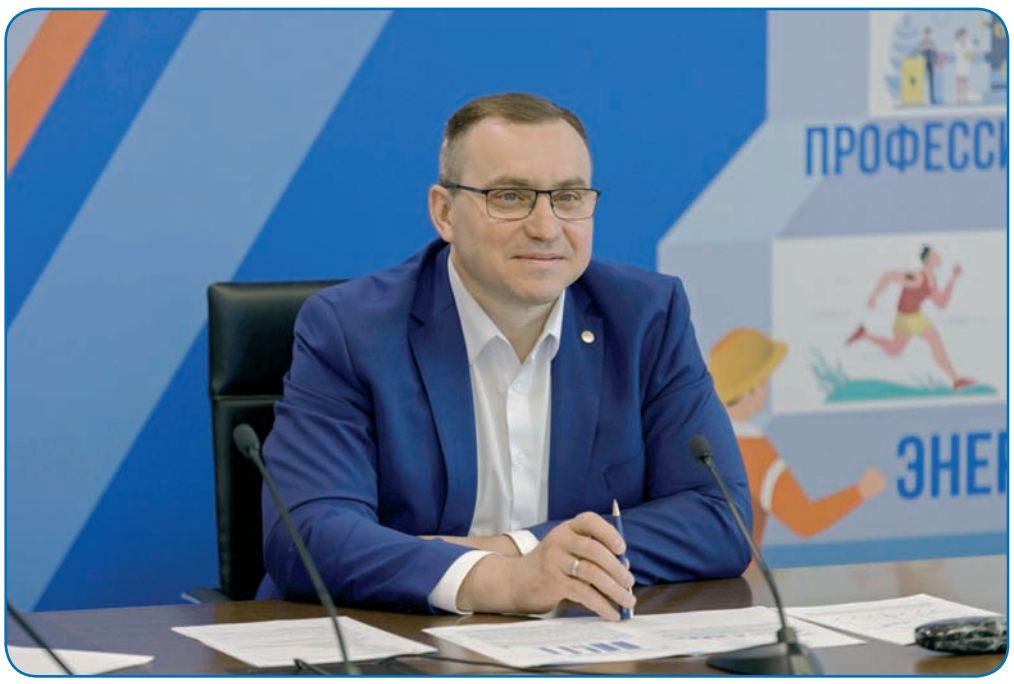
Natalia Gonchar

director's column

In the Spearhead Area

Sakhalin Energy Chief Executive Officer Roman Dashkov held his annual meeting with the company's employees and contractors. During the meeting he provided information on the company's activities in the new reality and paid special attention to preparing for the largest integrated gas chain turnaround in the history of the project.

– I'll start by saying once again: during the pandemic in 2020, we achieved record LNG production and kept oil production targets. But despite our successes last year, this year we have to meet quite serious challenges. Sakhalin Energy is preparing for the most ambitious turnaround of the Sakhalin-2 integrated gas chain ever. Diagnostics, maintenance, repair and upgrade of equipment will be carried out during the summer campaign. In this context, it is especially important to constantly look for opportunities to reduce production downtime without loss in scope and quality and in line with all applicable safety requirements. Such an approach would allow us to achieve production targets and successfully close out 2021.



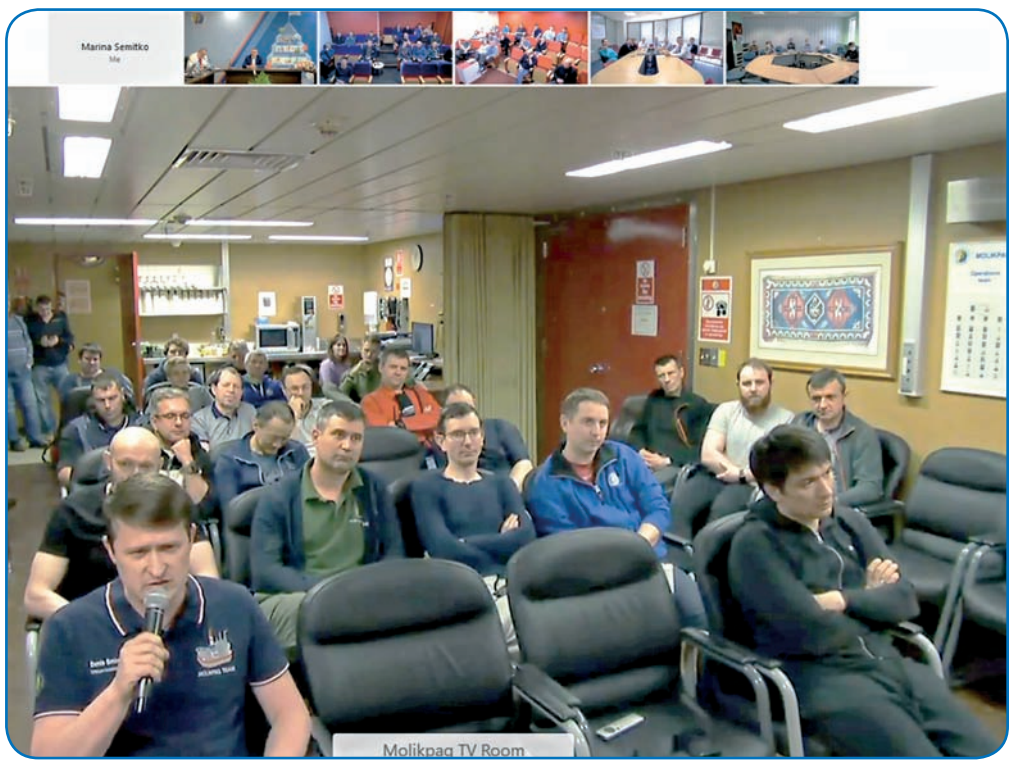
For the entire period, our focus will not only be on the fast delivery of technical scope, but also on sustaining production of liquid hydrocarbons. It is an essential component that directly affects the company's financial flows, including replenishment of the revenue side of the Russian and Sakhalin Oblast budgets. With shortfalls in tax revenues caused by the negative impact of a number of economic factors, including the COVID-19 pandemic, this issue is becoming more and more topical.

In April 2021, in his message to the Federal Assembly, Russian President Vladimir Putin highlighted the difficult situation which representatives of the real economy have faced, as well as the importance of synchronized work of government and business to solve common problems for the country. It's an important message from the country's leadership, to make us understand the burden of responsibility related to the performance of our duties.

In recent years, the leadership of the Russian Federation and the regional authorities have paid special attention to improving the management efficiency of projects implemented in the country. Today, the largest enterprises, medium and small businesses are going through a thorny crisis-ridden path. The Russian government is supporting the commercial sector at all levels, but we need to rely primarily on our strength, our capabilities and a rational approach.

We always move forward with a high cost-reduction target based on work optimisation. This process of continuous improvement does not have a final stage and brings into focus analytical solutions required for the company's financial stability.

I would like to draw your attention to the fact that the management is not absolving itself of the responsibility for maintaining the Employee Value Proposition, including the level of wages and bonuses. The social and economic well-being of staff is a primary objective for the company and for me especially. I would like to stress that, despite fairly difficult market conditions, at a time when not all companies can afford it, the CED decided to raise wages for all employees by 2 percent on average. Given our differentiated approach, individual performance factors of employees based on 2020 results will be taken into account. This will allow for indexation of staff that regularly demonstrate strong performance in an amount of two or more times higher than the base value. Along with this, we are keeping the system of bonuses and motivation aimed at improvement of competences and career development.



Once again, I assure you that the company management and I personally make every effort to maintain favourable conditions for staff – we consider and update opportunities based on current conditions, as well as short-term and medium-term plans.

As part of this process, we are continuing activities related to new company work formats. In particular, the active phase of Administrative Hub implementation has begun, and the issue of optimised staff location is being worked out. This confirms that the CED is trying to meet modern conditions, maintain the stability of the company and the efficiency of its activities.

This year we have completed the safety marathon together and demonstrated excellent results during the winter season. I would like to thank all managers and employees who got actively involved in this work. We are now moving on to a new corporate competition "The Peak", which will consolidate all our key activities related to safety, effectiveness and teamwork. You will have the opportunity to show leadership, social and environmental responsibility. Of course, the performance and results of this activity will be taken into account in company's personnel changes. "The Peak" corporate competition will continue for the whole year. We will see who has more strength and endurance to reach the peak as a leader.

In closing, I encourage all managers and specialists to take part in this competition and take an active approach, with a focus on improving the company's activities.

Q&A

The company's personnel asked a number of questions during the staff communication session. For answers to the most frequent of these, please read below.

What actions does Sakhalin Energy take to have its personnel vaccinated?

– The company has laid the groundwork for its personnel to get vaccinated: information and practical recommendations have been provided, as well as data on medical facilities where one can get vaccinated. Personnel who have Russian citizenship may get a vaccine at a medical facility at the place of their residence and there are no limitations to that, besides, this is a voluntary decision.

Upon the decision of the General Coordinating Committee, vaccination has been arranged at the Prigorodnoye production complex – it is held weekly on Fridays since 23 April by the field medical team from the Korsakov Central District Hospital.

Presently, information is collected to study the herd immunity at Sakhalin Energy assets. Collected data will be taken into account when considering mitigation opportunities for the anti-epidemic regime.

When will the new work regime be introduced for office personnel and what is its format?

– At the moment the company is considering the new business reality project, which provides for the introduction of remote and combined regimes for office personnel in 2021. The workplace optimisation target is 20%. The HR Directorate in conjunction with IT&IM Department and Facilities Management Department are working in this area.

The required number of office workplaces will be determined for each organisational unit based on the work schedules set by their managers. Besides, managers will also determine the format of the work process based on its specific features, functionality performed and business needs. More detailed information was provided to managers of organisational units.

When will the duration of the extended shift (introduced a year ago) be reduced?

– The decision to introduce extended shifts was made in connection with the rapid spread of the pandemic in Russia and in the world. Considering that the struggle against COVID-19 is still under way, the General Coordinating Committee constantly monitors the situation both within the company, in Sakhalin Oblast, Russia and the world. Where the stability of the situation is confirmed, decisions will be made to gradually lift the restrictions and reduce the duration of shifts, taking the risks into.

People We are Proud of

At the staff communication session *(for more details, go to page 4)*, Roman Dashkov, Sakhalin Energy Chief Executive Officer presented awards to employees of the company and contractor organisations. The official ceremony consisted of four parts.

First, prizes were awarded to the winners of the Winter Safety Marathon, which had been held by the company from October 2020 to March 2021. For seven months, 24 teams had competed for the victory. The Piltun-Astokhskoye-B platform, the Lunskoye-A platform and the Pipelines Subdivision teams had topped the overall standings, ranking 1st, 2nd, and 3rd , respectively. The winning teams received steles and diplomas, and their participants – commemorative badges.

In addition, special CEO's prizes were awarded to the leaders of the individual championship: Vitaliy Gerasimov, OPF Process Unit Operator, Sakhalin Energy (1st prize); Andrey Erokhin, Sports Instructor at the Zima Highland Residential Complex, Sodexo EuroAsia (2nd prize), and Sergey Che, Installation Technician of the Construction Subdivision, SMNM-VECO, LUN-A platform (3rd prize).

Since 2017, the company has presented an annual special award from the Committee of Executive Directors (CED) to employees who have excelled in in teamwork. At this year's staff communication session of employees, the 2020 awards were presented to the leading teams in four traditional categories:

Awards for Optimisation of Production, Mastery in Projects, and Efficiency Drive, Including Cost Saving Initiatives were presented to several organisational units. The teams made a significant contribution to business continuity assurance during the COVID-19 pandemic. This included the successful completion (ahead of schedule!) of a shutdown at the integrated gas system facilities and a comprehensive scheduled overhaul of Turbine A at the OPF.

The team led by the Commercial Directorate was awarded for Seizing Opportunities and Contributing to Future Growth. The team's excellent performance ensured the safe and efficient supply of LNG and crude oil shipments despite the strong market pressures and the COVID-19 pandemic.

The award for HR and Non-Production Efficiency was presented to the team led by the Human Resources Directorate. The specialists made fruitful efforts to increase the share of Sakhalin residents among the company's workers, engineers, and technicians on the basis of the region's educational resources.

The award for Contribution to Russian Content Development went to the team led by the Technical Directorate – its efforts were aimed at developing this strategic area of the company's activities under the Sakhalin-2 project.

In addition to personal diplomas, 200 authors of the winning projects awarded the CED Awards will receive bonus payments.

At the staff communication session, it was announced that Andrey Klimov, Manager of the Piltun-Astokhskoye-B platform, who was on duty at the production facility on that day, would receive the corporate award for outstanding achievements and contribution to the development of the company.

Another awarding stage was the presentation of recognition letters from Gazprom to Nikolay Mulyukin, Gennadiy Gritsov, Dmitry Gluschenko, Roman Kunaev, and Alexey Khabarov. They were honoured for expert support and participation in the Oil and Gas Projects. A Glance into the Future International Competition for Young Scientists organised by the Advanced Technologies and Perspective Oil and Gas Industry Projects Working Committee of the International Business Congress (IBC) and the Gas Industry magazine. Our sincere congratulations to you, dear colleagues!

planned shutdown – 2021

Sakhalin-2 Race Track Pit Stop

Within the Continuous Improvement Paradigm

Alexander Singurov, Sakhalin Energy Deputy Production Director and Prigorodnoye production complex Manager, gave an exclusive interview* to the Sakhalin State Television and Radio Broadcasting Company. During the interview, he shared the details of the upcoming shutdown of the Sakhalin-2 gas infrastructure facilities – the largest in scale in the history of the company.

– For the first time in more than 12 years, the company will completely suspend gas extraction and LNG production for a whole month in order to carry out maintenance operations. The work is planned for July – August. Why summer?

– You are quite right; such large-scale projects are rare events in our company, so we normally begin to prepare for them at least two years in advance. The choice of the period for the major shutdown was influenced by several factors, the weather being the primary one; this is the best time of the year for our work from the point of view of safety. We also kept in mind the commercial and production aspects. After a thorough analysis, we concluded that July and August are the most favourable months for the maintenance of the Sakhalin-2 gas transmission system.

In addition, we took into account the benefits of gas liquefaction technology for the Sakhalin climate. During LNG production, we use the double mixed refrigerant method, which allows us to achieve high performance indicators in winter, where in summer they are lower by almost 30%.

– You are planning to engage about 2.5 thousand technicians from different regions of Russia in the upcoming shutdown. How exactly are you going to mobilise all these employees?

– Considering the current realities and the impact of COVID-19 on our lives, we have prepared a detailed mobilisation strategy, including a proven logistics scheme approved by the General Coordinating Committee. This committee was established in 2020 to ensure the company's business continuity during the pandemic.

Today our main goal is to prevent the penetration of the dangerous virus into our facilities at all times, including during the mobilisation period. Therefore, the basic algorithm defined in the strategy envisages close monitoring of the dynamics of the pandemic, as well as the pace of vaccinations.

There is a backup plan based on the creation of two logistics hubs in Khabarovsk and Moscow. For this case, we have arranged special charter flights and so-called green corridors, which are necessary for testing people for COVID-19 before transporting them to Sakhalin. At the moment, we have the opportunity to bring specialists from any region of Russia; however, we will only admit employees who have tested negative to the asset.

– Sakhalin Energy is among the most eco-friendly hydrocarbon producers. Even so, the company is striving to further reduce its greenhouse gas emissions. Will the technical work to be performed in 2021 contribute to this?

– You have touched upon an issue which is very important for us. We are proud of the company's commitment to environmental protection and are constantly striving for new heights. Every year we take steps to optimise the operation of equipment or technological processes within the continuous improvement paradigm. This year is no exception. In particular, we plan to modify the LNG train 1 mixed refrigerant compressor. This will increase the reliability of the equipment, which in turn will reduce the potential number of unscheduled shutdowns and subsequent start-ups, which are accompanied by an unavoidable release of greenhouse gases.

– During the shutdown, there are plans to accomplish an incredibly large amount of work in the shortest time possible. On the other hand, the company's indisputable priority is safety. How is it possible to achieve both?

– Safety is the first key business principle of Sakhalin Energy, followed by quality assurance and compliance with implementation schedules. We normally say that if the work is done safely and to high standards, the deadlines will also be met.

The HSE system at the Prigorodnoye production complex is a well-oiled and constantly improving process. It includes several aspects: checking the competencies of contractor staff engaged in the shutdown, providing additional training to them, daily monitoring of work at the production site, holding meetings to discuss industry incidents and award employees for best HSE practices. But the key to guaranteed success is raising people's safety awareness through daily communication and building a long-term safety culture.

– Digital transformation has probably become the most popular phrase lately. Sakhalin Energy has also set its course towards digitalisation. How are new technologies implemented in relation to shutdowns?

– Digital transformation is a multi-stage strategy. The new reality created by the pandemic has accelerated its implementation. The company has planned for a number of tasks to be fulfilled during the maintenance period. The work will be done using the digital twin system with online support by engineers from foreign manufacturers. We had our first experience with this last year at the LNG plant, and this year we plan to roll out a similar network across the OPF. The use of these tools will help us minimise the impact of the limitations and hazards related to COVID-19.

This year, we will launch an online system to track the location of employees inside and outside the production facilities, which uses smart devices – trackers. The pilot operation of the system was a success – it confirmed the system's tracking accuracy. In the future, we also plan to connect modules for monitoring the health status of personnel, checking the availability of required PPE, and an "alarm button" function to send a signal in case of an emergency.

I must stress that all these solutions work in real time with much greater efficiency, subject to a stable Internet connection. For this reason, the main task is now to roll out the network in the production area. We expect that the greater part of the site will be covered by the start of the 2021 shutdown.

All of these examples are just the first steps towards a digital future with prompt and error-free solutions to support safe and efficient operations.

– The most labour-intensive work will be performed at the LNG plant: the replacement of the hoses for offloading gas. You are the first company in Russia to tackle such a large-scale technical task. How are you preparing for it?

– Given the complexity of the work, we started working this issue out in advance. The final investment decision was made in November 2018, which was preceded by a sixteen-month study of potential scenarios for the planned activities.

Let me explain one thing: we do not use all four hoses at the plant simultaneously. The point is that LNG offloading is accompanied by the formation of stripping gas. In order to reduce the carbon footprint, we do not burn it; instead, we collect it using a special hose, after which we compress the gas and use it for further production. Another hose is a backup unit, so it is important to keep it in good condition at all times. During the 2021 shutdown, we intend to replace the most used hoses, the first and the fourth ones, because they are directly used for LNG offloading. A Japanese plant has already manufactured the new equipment for Sakhalin Energy.

After delivery of the equipment, part of the replacement operations will be carried out from the jetty, and part from a specialised vessel stationed at sea, equipped with two main cranes with a lifting capacity of almost 700 tonnes each. The main hazard of working with a floating crane is the weather conditions, in particular, the roughness of the sea. I will provide a couple of facts to help you understand how complicated the task we have to cope with is. An offloading hose will not be easy to lift, as it weighs an impressive 77 tonnes. What is more, it will be necessary to align the bolt holes of the flange connections during the installation from a distance of 22 metres, and the size of the holes is only a few centimetres! Following that, the dismantled equipment will be sent to the manufacturer in Japan for overhaul. In 2023, we will continue to operate the renovated hoses under the Sakhalin-2 project. It sounds simple enough, but in fact this process requires careful detailed preparation, which involves a multinational team of about 50 experts.

–Liquefied natural gas production will stop for a month. What about LNG supply to customers?

– We have drawn up the annual LNG shipment schedule for 2021 taking into account the comprehensive shutdown. We have developed it in advance, several years in advance. We will continue supplying gas for the needs of the Sakhalin Oblast without any interruption despite the complete shutdown of gas production. The needed volume of natural gas is currently reserved in the Sakhalin-2 onshore pipeline and will gradually be shipped to consumers.

■ Interviewed by Valeria Pomytkina

** See the full interview in the Video section on the company's website at sakhalinenergy.ru.*

event

Two Thousand LNG Shipments

Today, the 2000th standard LNG cargo produced since the start-up of the first Russian LNG plant in 2009 was shipped to the Energy Advance gas carrier at the Prigorodnoye port.

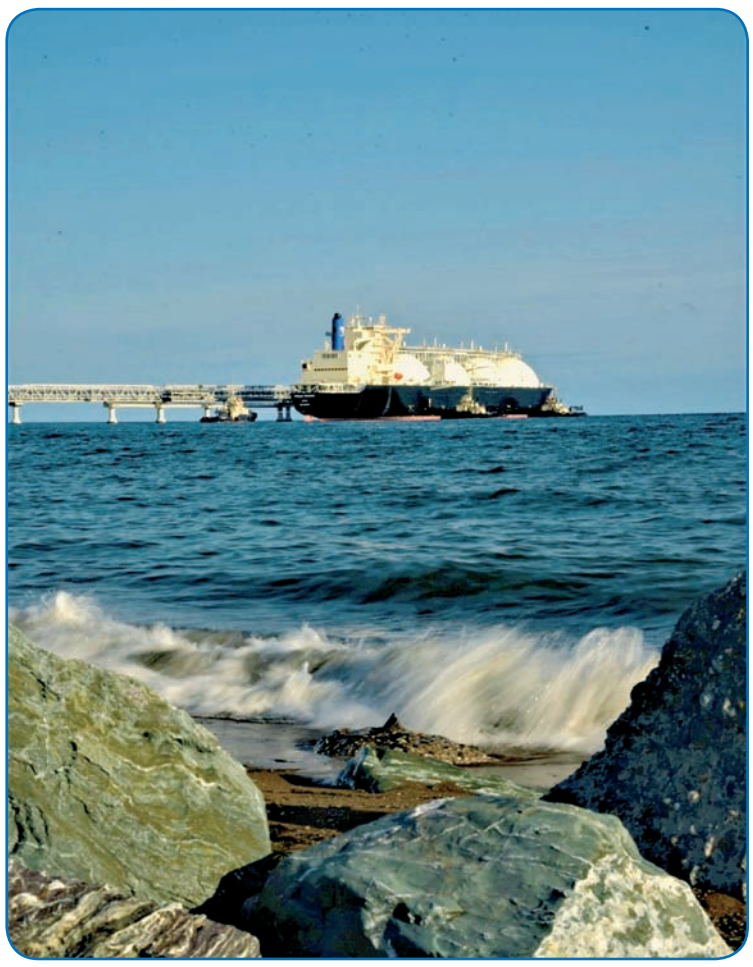
Roman Dashkov, Chief Executive Officer of Sakhalin Energy noted that this result unprecedented in the history of Russian LNG production has been achieved due to a long-term uninterrupted operation of the entire gas chain of the Sakhalin-2 project and well-coordinated efforts of the international team of professionals.

LNG is transported by long-term chartered specialised ice-class LNG tankers. One standard cargo equates to 65,000 tonnes of LNG.

Roman Dashkov noted that under the influence of external unfavourable factors during the pandemic Sakhalin Energy had to completely restructure the staff management activities in the company in the shortest time possible while simultaneously interfacing with the supervisory authorities. At the same time no mistakes were admitted that would lead to suspended production. Sakhalin Energy successfully completed all planned activities and even expanded the geography of supplies – for the first time in 2020, the Sakhalin LNG cargo was delivered to Singapore.

The buyer of the anniversary LNG cargo was the Japanese company Tokyo Gas which in 2009 together with another Japanese company – Tokyo Electric purchased the first LNG cargo from the Prigorodnoye production complex the Sakhalin-2 project LNG plant is located.

Japan is one of the key buyers of the Sakhalin LNG. Based on data as of the end of 2020, the largest volume of LNG was



shipped to Japan from the Prigorodnoye port – 51.6%. The second place – Taiwan (17.4%), the third – South Korea (16.3%) and the fourth – China (14.1%).

Since the start-up of the LNG plant Sakhalin Energy produced and shipped more than 130 million tonnes of LNG at the Prigorodnoye production complex as of early May 2021.

■ Pavel Ryabchikov

continuous improvement

Setting New Records

The Sakhalin Energy Committee of Executive Directors (CED) awarded the winners of the Continuous Improvement Awards for Q1 2021.

The winner – the Commercial Directorate team – had been selected from among the eight teams nominated for the award. The winning team consisted of Olga Kim, Morimoto Katsuki, Alexey Zilper, Maria Kuznetsova, Yegor Lukin, Evgeny Anfilov, Alexey Lysenko, Anton Skikevich, Andrey Beregovoy, Mikhail Kalmykov, Nikita Bogomazov, Victoria Nureyeva, and Alina Pisklova.

The team engaged in LNG supply planning had held negotiations with buyers to optimise the schedule of commercial LNG vessels and found a unique opportunity to conclude a transaction for the sublease of the Grand Elena LNG carrier (more information is in the next Vesti issue).

Moreover, the specialists had negotiated a record rate of the last ten years for the sublease of vessels with a capacity of 145,000 m³ in the Asia-Pacific region. This resulted in significant financial savings for the company.

For more information on this and other initiatives, please visit the CI Wiki website.

■ Alina Sin

CED members express their gratitude to the other finalists and nominees of the contest – the teams that proposed the following initiatives:

– Unification of the approach to procurements for upgrading production facilities;

– Organisation of urgent delivery of materials for an unscheduled shutdown at the OPF and optimisation of its cost;

– Optimisation of costs and resources for the project to upgrade the treatment facilities at the LNG plant;

– Deployment of wireless infrastructure, including the installation of instrumentation at the OPF;

– Optimisation of the use of drilling tools in wells;

– Optimal calculation of the price of LNG stock on board an LNG carrier;

– Improvement of the scale deposit treatment process for wells.

assets

PA-B Plus!

In June Sakhalin Energy has begun its annual preventive maintenance campaign at PA-B, an oil and gas production platform of the Sakhalin-2 project.

Marat Rezyapov, head of Sakhalin Energy's Operations Department (offshore facilities), said that Sakhalin Energy conducts its annual turnarounds to carry out preventive and routine maintenance, repairs, and upgrades of equipment along with some unique, technically challenging operations. In 2021, the PA-B platform will be the first to implement those activities among the Sakhalin-2 production assets. Directly after their completion, the company will proceed with the scheduled shutdown of the facilities in the integrated gas chain, the LUN-A platform being one of them. The operation of PA-B, a platform that produces oil, will then be resumed. Such a sequence is among the optimal ones in terms of maintaining the project's uninterrupted operations.

"Of course, being a leader is not easy. You are looked up to by teams at other sites who are striving to perform better. However, the PA-B team has repeatedly proven its ability to successfully cope with challenges of any complexity, so it has passed this test with flying colours too," added Marat Rezyapov.

According PA-B Offshore Installation Manager, Andrey Klimov, the production facility team worked "five-plus": "Despite the variety of tasks and their complexity, the team once again demonstrated the ability to find opportunities for continuous improvement, to carry out the work in a very coordinated and high quality manner".

As part of the planned shutdown, the platform underwent annual cleaning of the inner hydrocarbon multiphase flow separation vessels, repair work on formation water filters, maintenance of two gas compressors, including inspection of the gearbox on one of them, and other tasks.

"I would like to mention the corrective work to repair the seawater return line on the platform. This was the first time it had been carried out on PA-B. A section of pipe 7.5 metres long and 450 mm in diameter had to be smoothly brought into the auxiliary equipment module and then positioned with filigree precision in the right place. The complex lifting operation was performed brilliantly – without the slightest misfire," Andrey Klimov said.

A total of around 220 people were involved in the planned technical activities at PA-B.

■ Pavel Ryabchikov

Predictive Monitoring: Experience of Sakhalin Energy in Project Implementation

Since the last decade there has been a trend to miniaturise and reduce the cost of data storage and processing devices as well as to digitalize business processes. This trend allowed to introduce a range of analytical programs for tracking significant volume of data generated by companies as well as to predict sequence of events in order to make management decisions.

Many companies around the world and in Russia are already using predictive analytics for efficient solution of various business issues. Sakhalin Energy is not the exclusion. Currently the company is implementing the project to integrate predictive monitoring in operation of process equipment.

At present, various monitoring programs are being implemented for the company process equipment – from simple daily inspections by operational personnel to continuous automatic online monitoring with alert option to notify key specialists. A significant number of systems is in place to monitor the parameters of static, dynamic and electrical equipment in real time and on the basis of regular tests. Examples of such systems are: CIRRAS/RBI, System 1, SmartConnect, RST, PTM HUB, Partial Discharge Monitoring.

Such a variety of systems allows you to analyse and assess technical state of equipment based on the specifications. But this approach does not allow to predict changes in the state and detect early signs of degradation of equipment accurately. Introduction of the predictive monitoring system allows to achieve this goal.

Early detection of signs of degradation or decline in the efficiency of production equipment helps to fix the problem when the cost of repair and troubleshooting is still relatively small. However, if degradation cannot be fixed and continues despite measures taken, proactive diagnostics can provide time to adjust production plans, mobilise materials and contractor personnel as well as prepare equipment for repair.

Experience in predictive monitoring ensures the possibility for optimising preventive maintenance and planned shutdowns of production equipment. Also, it allows to change the philosophy of maintenance of non-critical systems and equipment and act based on actual state of equipment.

A wide range of tools is available in the industry for solving this problem. The company performed a thorough review to select appropriate tools: technologies and industry leaders, shareholder experience, industry publications, reference visits.

After analysis, three software products were selected for implementation of the pilot project. Testing took three to six months.

PREDICTIVE MONITORING PILOT PROJECT

Predictive monitoring system implementation was carried out in stages:

– Definition of a problem and determining the scope of work;
– Data collection and processing;
– Building predictive models;
– Setting up and optimising the platform with further online monitoring.

Let's review the stages.

DEFINITION OF A PROBLEM AND DETERMINING THE SCOPE OF WORK

Modelling of several units of the most critical process equipment was completed:

– at LNG plant;
– at OPF.

DATA COLLECTION, PROCESSING AND REVIEW

All required process parameters used in the model come from PI Historian system. These parameters are used to create data arrays for each unit of the equipment reviewed. Further, data arrays are prepared to train the model – they characterise the normal state of equipment, therefore they are fundamentally important to ensure accurate forecasting, operation and sensitivity of the model. To prepare the training data array, the general array of historical data shall be analysed and cleared from technical data which are not usual for the normal state of equipment. Based on expert opinion, rules for automatic detection of defects shall be configured and specific recommendations to prevent escalation shall be described.

BUILDING PREDICTIVE MODEL

The predictive model (hereinafter referred to as the model) is a certain set of specific interdependent process parameters which are in the desired range of operating modes.

If one or more parameters are changing while the rest remain unchanged the model predicts the deviation and notifies about it. In this case the automated process control system does not see deviations since all changes occur within the limits of the operating modes.

SETTING UP THE PLATFORM WITH FURTHER OPTIMISATION

Before using the model, it is required to set alert levels. Unlike traditional settings which are absolute threshold values for the process parameters, predictive settings represent a threshold for deviation of the actual values of the process parameters from the predicted values. The combination of such deviations during monitoring will show the general discrepancy of the model – a dimensionless value characterizing the general deviation of equipment behaviour from the behaviour predicted by its model. The more and further the process parameters deviate from their predicted limit, the higher the general discrepancy of the model.

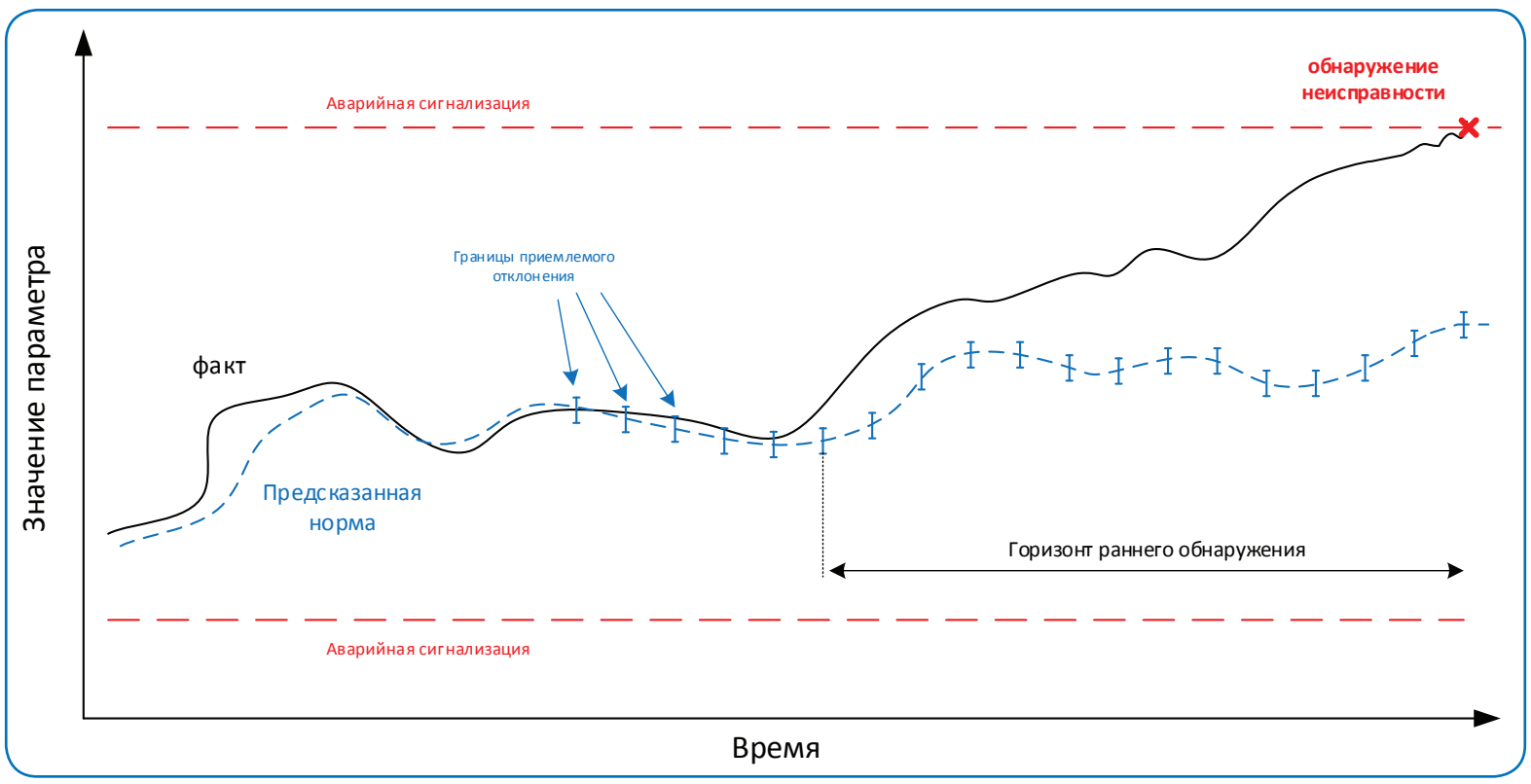
Detected discrepancies of the model beyond the previously set thresholds require investigation of the causes. A properly configured model will allow to identify them and provide information for adjusting the maintenance plans.

As a result of an open tender, PRiMS (by Aveva) software was selected as a basis for the entire project implementation. This software showed the best results of the model which satisfy the initial requirements to the quality of predictions.

After the pilot project it was decided to apply the predictive monitoring system on high criticality process equipment (100 units). The predictive monitoring system together with traditional systems will significantly improve predicting of equipment failures. Maintenance will be more efficient due to spot repair activities depending of the state of equipment instead of general overhaul.

Thus, application of the predictive analytics has many advantages over traditional approaches. The key advantage of this approach is that it provides the opportunity not only to gain new knowledge based on available information and automate routine processes, but also to use machine learning to solve various issues in order to improve work efficiency.

■ Vadim Borisov, Maxim Bakulin



Early detection

personnel

The Future of the Company

The results of Sakhalin Energy's traditional educational grants competition have been summed up.

This year's winners are young residents of Yuzhno-Sakhalinsk: Olga Kondrashova (Gymnasium No. 2), Vladislav Gurov (School No. 26), Vladislav Lee, Anna Kan, Alexander Olovyanishnikov (Lyceum No. 1), and graduates of the Nogliki Gymnasium Diana Nagimova and Nikita Polovikov.

The competition under the Scholarhsip Programme for leavers of general and vocational secondary schools of the Sakhalin Oblast has been held by the company since 2003. It gives young residents of the region an opportunity to get higher education at universities which train engineering and technical specialists for the oil and gas sector and related industries. Over the years, more than 250 Sakhalin residents have taken part in the competitive selection. 130 of them have received grants and currently study at the leading specialised universities of the country.

"Sakhalin Energy supports the "pupil – grantee – trainee – young specialist" lifelong education system. Its aim is to attract an influx of talented youth into the Sakhalin-2 project, to train and develop necessary competencies in young specialists who are ready for the challenges of the future," stressed Alexander Sheykin, Sakhalin Energy HR Director, in his welcoming speech.

Traditionally, the competition was held in several stages: the writing of an essay, an interview, the defence of a project, an English language knowledge test, and professional testing to assess the analytical skills of the participants.

Alexander Olovyanishnikov shared his impressions: "This is the first time I have participated in such a competition. That was a challenge for me: not only did I have to write a motivational essay, but also to defend my project, which I had started at the lyceum. I was terribly nervous at every stage, but luck was with me, and I won. I am sure that every school leaver has a chance to win a grant. What you need is to believe in yourself and work towards your goal without any second thoughts. I would like to thank the members of the expert jury for their interesting questions during the interview and the high assessment of my work," said Alexander.

Due to the difficult situation caused by the COVID-19 pandemic, this year's competition was held remotely. This format gave the participants an advantage: all of them had equal opportunities, regardless of where they live – in Kholmsk, Yuzhno-Sakhalinsk or Nogliki.

In total, 20 pupils submitted their applications, which were evaluated by the expert jury. It included Ruslan Oblekov, Russian Content Development Advisor, Vladislav Ershov, Head of the Electrical Equipment Integrity, Protection and Engineering Support Subdivision, Anna Mikryukova, Head of the IT Operations and Services Division, Ilya Kasatkin, Engineer of the Engineering Support and Operational Safety Subdivision, and Elena Ilkina, Specialist of the Skill Pool Creation and Development Subdivision. The jury faced a challenge – to choose the best of the best from among the leavers of Sakhalin Oblast secondary schools. The experts paid particular attention to the participants' leadership qualities, their ability to think outside the box and quickly make effective decisions. At every stage, the contestants were given points, which were summed up at the end of the competition. Those with the highest scores were announced the winners.

Olga Kondrashova, one of the winners, remarked: "By participating in the competition for educational grants from Sakhalin Energy, first of all you test your knowledge and skills. You can only understand your worth when you compete with worthy rivals. Moreover, participation in such events helps you gain useful experience of interviews and project defence in front of an expert jury. This experience will be useful for your future employment," – added Olga.

Now the young winners of the competition are to decide which of the country's leading oil and gas universities to apply to. The possible options include Lomonosov Moscow State University, Gubkin Russian State University of Oil and Gas, Far Eastern Federal University, etc.

Programme participants admitted to one of the universities are entitled to an annual scholarship from the company for the entire period of study. However, they must do much more than just successfully pass the entrance exams – they have to get only good and excellent marks for their term exams and achieve proficiency in the English language by the end of the third year of study. In addition to educational grants, the winners of the competition are invited to do their internship at Sakhalin Energy's production facilities.

■ Elena Ilkina

our children

Making the Most of the Summer

The great clown Vyacheslav Polunin believes that formulas in which plus attracts minus only work in physics; with people, it's different. He has his own theory: "The more pluses you get, the more pluses you have at the end of the day." It looks like the 2021 Happy Holidays were organised based on this formula of happiness. Irina Nemykina, Chief Specialist of Sakhalin Energy Social Benefits and Guarantees Section, will tell us about it in more details.

– For children, summer is the time of vacation, interesting activities, no school or homework; in a word, it's a three-month holiday! The task of adults is to do everything possible for our kids to continue feeling like this, but at the same time, channel these feelings into their development. At the Happy Holidays summer camp, I dare say, we have managed to strike a balance. The very first session has shown that engagement in well thought-out and thoroughly organised activities does children a world of good.

The concept of the 2021 Happy Holidays is "I Am My Own Character". As the phrase suggests, children will be learning to make their personal choices throughout the summer. The slogan underlies all activities planned for five shifts of this year's Happy Holidays. Many children are fond of computer games in which there is a player character (also known as PC), and the purpose of the game is to put the PC through various challenging tests. During each summer session, children will be such characters themselves and, like them, they will develop themselves through various challenging tests.

This summer's programme includes about thirty workshops, but it will be up to each boy or girl to decide which of them to attend (leaving the decision to the child is an obligatory condition). They can choose between engineering, architecture, game technology, tourism and sports, paper construction, photography. Children also have an opportunity to get familiar with the basics of theatre and poetry, master the secrets of mass media, and try their hand at performing in the Club of the Funny and Inventive (the holidays are about fun, aren't they?).

The task set before children is to pass through the whole creation chain: from the development of the concept to the finished product. They will be assisted by experienced specialists

from different regions of the country. The programme is designed in such a way that children have to make decisions on their own. I am sure that this practice develops skills that make it easy to navigate any situation, no matter how uncertain it may be. For example, in the middle of the day, each child faces a choice between numerous options they have at their disposal – playing sports or games, swimming in the pool, drawing, participating in quests, and much more.

In addition, every evening, the children, together with the experts, sum up the results of the day. The mentors help the children to become more aware of their experiences. Sometimes the children's feedback is totally unexpected and even funny:

– I have learnt more about chain links (chain reactions – Editor's note);

– Now I know what to do if I find myself locked up;

– I have learnt how to give an SOS signal;

– It was important for me to find out that I am a good goalkeeper. Fancy that! I had never defended the goal area before;

– Choosing what you want sometimes requires an effort.

By the end of the first session in the camp (one session lasts two weeks), each child had spent almost 30 hours training in the workshops. The theatre lovers spent six hours learning how to apply make-up; the participants of the game workshop covered 15 kilometres searching for suitable locations for quests; the 'engineers' spent more than 60 man-hours building the Goldberg machine*.

Another feature of the 2021 Happy Holidays is the multilingual environment at all its venues, which gives children a unique opportunity to practise English through live communication. Native speakers do not teach lessons in the traditional sense; instead, they play with children and organise various activities. For example, Mr. Luca suggests composing blues songs together; Mr. George proposes learning to dance the haka**, singing lyrics in English, or putting on a puppet show in Shakespeare's language.

Each session is divided into two parts: during the first week, activities are designed and conducted by adults. The second week is the time for the children's self-government. Not only do boys and girls play the role of organisers and involve adults in their activities, but they also ensure safety. For example, children make sure that there is always a first-aid kit nearby when they are playing outdoors, and everyone drinks plenty of water.

In our programme, activity design and management are singled out into a separate area. Children make personal lists of tasks for the day, for the week, and for the entire camp session, learn to prioritise and plan their activities so as to achieve the goal set.

This year, the Happy Holidays programme operates in a new format. First, having to comply with the anti-COVID rules, we had to divide all participants by age group and assign them to three different sites. The constraints associated with the COVID-19 pandemic, however, did not stop us from providing excellent opportunities for children's development. As early as at the end of the first session, we got the result we had been hoping for: all children were fully engaged in the process, taking delight in learning to take control and be in charge of their life. After all, the more pluses our children gain, the more interesting life they will live.

■ Recorded by Elena Gurshal

** A Goldberg machine is a device that performs a simple action in a complex way, usually through a series of domino-like actions.*

*** Haka is a traditional expressive dance of the Maori indigenous people of New Zealand.*

Year of Science and Technology

Doctor Ice

Doctor Ice is the nickname given to Pavel Truskov, Technical Approvals Manager of Sakhalin Energy, by experts. This was given to him for his profound knowledge and ample experience in research of physical properties of sea ice contributing to trouble-free operation of the Sakhalin-2 offshore assets.

– Thank you for agreeing to be interviewed, Pavel. Let's start with, why did you choose this career?

As a child my father, who headed the Maritime School in Khabarovsk, took me to places all over the country. It was my father that passed his love of water, studies, and scuba diving, to me. In those days, Jacques Yves Cousteau was the cult hero of many teenagers. I have read many books about his travels, and after graduating from high school I no longer doubted my choice of career. In 1975, having successfully passed a competitive entrance examination (10 persons per seat), I joined the lucky team of 25 people who were admitted to the Geophysics (Ocean Science Department) of the Far Eastern State University in Vladivostok.

– From ocean depths to sea ice. What made you make this choice?

– We didn't explore sea ice at the university. The need to deal with this discipline arose in 1980 in Sakhalin, where I was assigned after I had been graduated from the university. I started my career in the north of Sakhalin at SakhalinNIPImorneft Institute. Prospective oil and gas fields had already been discovered offshore of North-Eastern Sakhalin by that time. In 1982, I did my first expedition on the Ermak icebreaker. This was a dedicated expedition organized by Glavmorneftegaz to study sea ice characteristics in the offshore areas. The expedition outcomes established a framework for the design of offshore ice-resistant platforms and served as a motivator to expand the ice-research programme in later years.

– What interesting things happened at the beginning of the Sakhalin-2 project?

– Our project is rightfully considered to be a pioneer, including in construction of Russia's first offshore ice-resistant fixed platforms. As pioneers, we have faced many challenges in implementing design solutions that have already been agreed by all supervisory authorities. In 1996, I was offered to join Sakhalin Energy as an advisor on technical issues of the development of the Sakhalin-2 license areas and was sent to St. Petersburg. There we managed a spacer (foundation) development for the Molikpaq platform, which later became known as Piltun-Astokhskoye-A or PA-A. In those days, the press noted that Rubin, the Central Design Bureau of Marine Engineering, proceeded with the engineering design of a new type of submarines – square submarines!

PAVEL TRUSKOV, TECHNICAL APPROVALS MANAGER (SAKHALIN ENERGY)

In 1988 Pavel defended his thesis for the Candidate of Science degree in Geography at the Arctic and Antarctic Research Institute.

In 1997 he received a Doctor of Engineering degree in two disciplines (Ocean Science and Ship Structural Design) at the Krylov State Research Centre.

As the result of research activity, five monographs and about 200 articles on various ice-technical aspects of development of Russian offshore oil and gas fields under the freezing sea conditions.

When developing the design documentation for the Sakhalin-2 Phase-2, it was initially assumed that the offshore platforms would be made of metal, but further analysis showed that it would be more optimal to change the material of base structures to reinforced concrete. This caused an enormous controversy among the experts. As a result, following the involvement of international expert organizations in that issue, such a replacement was proved to be advantageous for CAPEX savings, Russian Content increase through fabrication of base structures, fire resistance of base structures, as compared to the metal option, while staying on project schedule. In 2001, the design documentation has successfully passed the state expert reviews.

– While we are on the subject, how would you continue the phrase "for the first time in world practice…"

– For example, for the first time in world practice, Friction Pendulum Bearings were used for Piltun-Astokhskoye-B (PA-B) and Lunskoye-A (LUN-A) platforms to compensate for seismic effect on topsides. This innovative solution has proven to be successful and is now being used in other projects to ensure the safety of offshore platforms in seismically hazardous areas.

Pavel Truskov on the icebreaker Ermak. Northeastern shelf Sakhalin Island, March 1982

Much efforts have been made to ensure safe port of Prigorodnoye calls. For this, the procedure of navigation using the recommended courses was developed, and it has been effectively used for many years.

– What knowledge of your discipline have been put to good use in the Sakhalin-2 project?

– I joined the company 25 years ago, and I am a happy scientist. Many of my ideas, in particular, offshore pipelines embedding to prevent them from impact of drifting hummocks, ice abrasion protection for platform reinforced concrete base structures, reduction of topsides vibration caused by ice dynamic impact, ice management to extend the oil offloading season, were used in design solutions for the installation and operation of offshore platforms. One of the chapters of my doctoral thesis was on site selection for the LNG plant. And our products have been offloaded in Aniva Bay on a regular basis for many years.

– What contributed to your career development?

In 1983, I became the Head of the Laboratory for External Effects on Offshore Oil and Gas Facilities. A field laboratory was built the same year to study the physical properties of sea ice in the Chayvo lighthouse area. And then we began to create a network of coastal radar stations to monitor drifting ice. Within several years this idea has been realised with three stations built and installed on old oil rigs at Cape Levenshtern, Odoptu and Komrvo. By the time of the Sakhalin-2 project, such a comprehensive approach allowed to accumulate a huge amount of information which ensures the trouble-free operation of the project's offshore facilities so far. I have received international recognition by then: foreign experts began to call me Doctor Ice.

Practising a methodology to guide gas carriers to the port of Prigorodnoye, March 2010

Gravity base condition monitoring, March 2005

– Pavel, what interesting ideas are you working on now and what disciplines do you consider the most promising?

– A detailed analysis of the knowledge system on the Sea of Okhotsk ice made it possible to restore observational data on the ice coverage beginning from 1882. This makes it possible to perform various tasks – from making long-term forecasts for ice conditions and planning appropriate measures to respond potential oil spills in winter, to extending the drilling operations with the drilling rigs with no ice class.

In the current century, the maximum ice coverage over the Sea of Okhotsk was in the 2000/2001 ice season (from 28 February to 15 March. The analysis of data obtained using passive and active microwave spectroradiometers mounted on artificial satellites countered the boundaries of ice coverage in the Sea of Okhotsk of various age (from 2001 to 2020) differentiated by months. The analysis of estimated value variations made it possible to conclude that early in the 21st century, the ice volume in the Sea of Okhotsk has decreased at an average rate of 32.2 km^3/decade. Total loss of the ice volume in the Sea of Okhotsk Sea is estimated at 34.5%. The ice volume decrease was caused by both ice thickness lowering (60%) and ice cover reduction (40%). These data can be used to set appropriate requirements for the ice class of vessels with due consideration of trends in ice change in the areas of operation of the Sakhalin-2 offshore assets.

There are over 300 prospective oil and gas bearing areas in the Sea of Okhotsk. Many of them are at great depths and can only be developed with subsea production facilities. I believe that these technologies will become widely used to develop new oil and gas fields in the Sea of Okhotsk.

– What would you like to wish to Sakhalin Energy and its team?

– First and foremost, I would like to wish an efficient and safe operation, which largely depends on innovations.

■ Interviewed by Olga Moreva

** The Central Design Bureau for Marine Engineering "Rubin" is among the world's key submarine developers and the leading submarine designer in Russia.*

The Heroes of Our Time

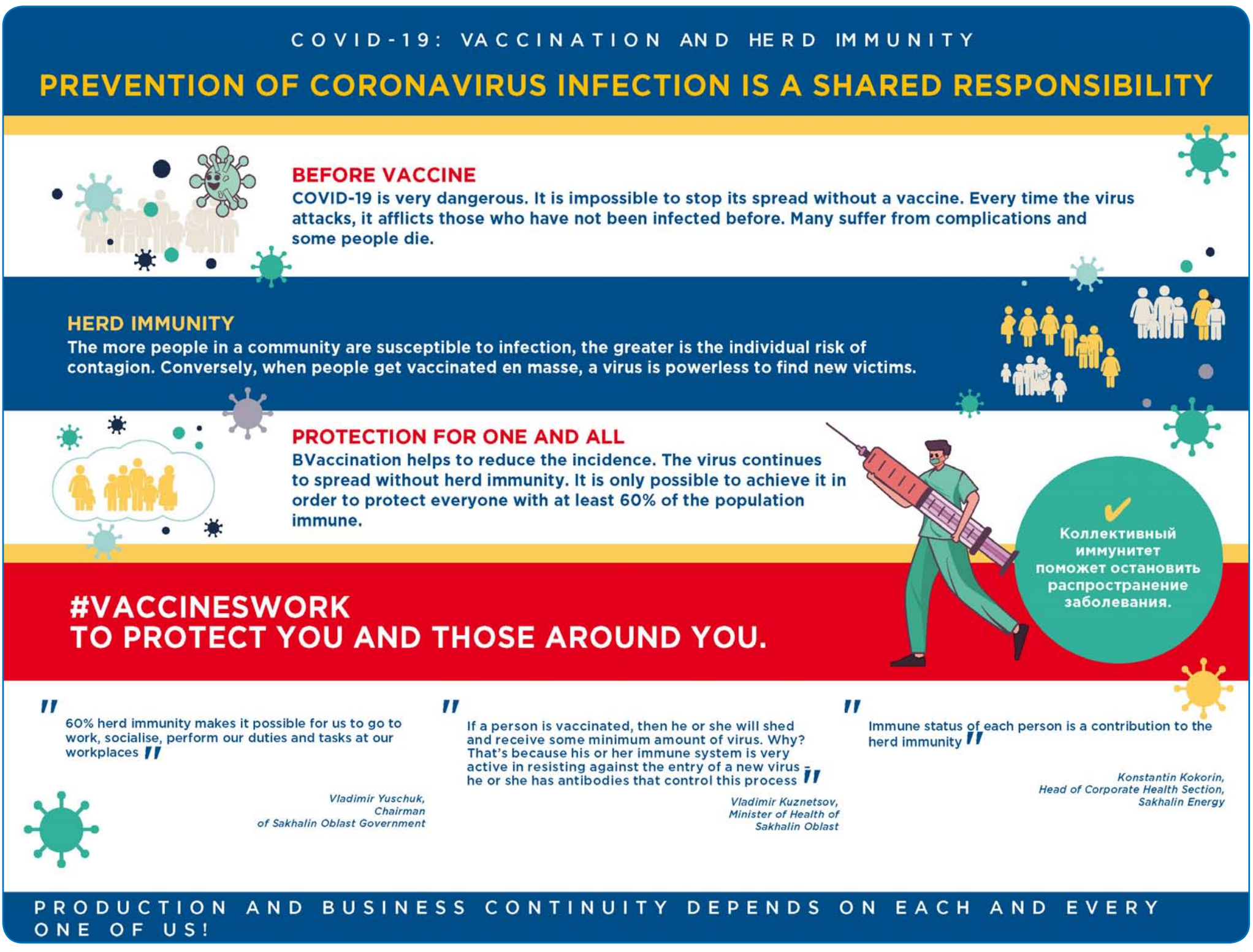
On the eve of the Medical Workers Day, Sakhalin Energy Chief Executive Officer Roman Dashkov congratulated the Corporate Health Section team on their professional holiday.

"Taking the brunt in the struggle with a new and dangerous infection, you are today on a par with defenders of the Fatherland. By your daily work, high sense of duty, compassion and attentive attitude towards the patient, laid down in the traditions of the Russian medicine, you confirm the high rank of a doctor," noted Roman Dashkov.

For the second year the Corporate Health Section team continues to struggle with the COVID-19 pandemic and plays a key role in Sakhalin-2 safe production organisation. Work of healthcare specialists is associated with the highest responsibility for the decisions made, it requires skill and deep knowledge and most importantly – exceptional diligence and complete dedication which they direct to maintain health of Sakhalin Energy's personnel in a difficult epidemic environment.

"I sincerely thank all representatives of the medical community for their professionalism, I wish you good health and success in your noble mission," noted Roman Dashkov in his greeting.

Advanced Protection – Vaccination



During the first summer month, the epidemic situation associated with the COVID-19 pandemic worsened in several regions of the Russian Federation, including the Sakhalin region. The coronavirus has added new mutated strains to its ranks and has gone on the offensive. But there is a real opportunity to cope with the next wave of dangerous infection – for this you need to vaccinate and contribute to the formation of collective immunity (this applies to the general population, as well as individual workers). The sooner we do this, the better. (See more about the benefits of vaccination on sakhalinenergy.ru in the video section).

photostory

Russia Day at the Peak






There were two peaks on Bolshevik mountain on 12 June: the ski peak was still there, and one more, the Green Peak, an environmental event, spearheaded by Sakhalin Energy and Gorny Vozdukh sports and tourist complex, was held there that day as part of the Partnership Programme "I am a Contribution to the Development of My Island".

In addition to the Forestry and Hunting Agency, the Southern Forestry, and the Botanical Garden, the partners of the event, the Sakhalin weather was also brought on board. There was no sunlight exposure during the planting, and after that it poured rain on the ground making good for the plants.

The event was part of the corporate green LNG strategy. It defines the areas for actions to make Sakhalin Energy green and allow us to join the global efforts towards decarbonisation. One of these areas is nature protection and forestation. All these have been reminded to the participants by Grzegorz Kulawski, Sakhalin Energy Production Director, who also joined the event.

Some 150 people took part in the event. In addition to the hands-on experience of planting, many have also gained theoretical knowledge about it. Rinat Sabirov, Senior Researcher at the Institute of Marine Geology and Geophysics of the Far East Branch of the Russian Academy of Sciences, held a mini-lecture and gave tips and recommendations. "A natural belt of stone birch passes through this place. Therefore, it is the ideal place to plant here, especially in today's weather," the expert inspired the participants.

More than 300 birches and mountain ashes have been planted on the western slope within an hour. Spruce trees grew here, but the area was deforested by wind in 2016. The trees will grow and decrease wind force and accumulate snow on the spot.

While the parents were landscaping the eastern slope of Bolshevik, the children learned about the plants of Sakhalin from the volunteers of the Botanical Garden and played an ecological twister. While walking down the mountain on the ecological path, a detailed report about all attractions of the island flora reinforced the participants' knowledge.

This way of celebrating Russia Day, which encompasses new knowledge and things to make the place where you work and live better, is the most significant contribution to the future of the country.



charity

When We Do Something Really Important

"Yes!" – exclaimed the boy. And there was so much excitement in it that everyone realised at once: the presents from the C-shift of the Prigorodnoye production complex operators were very much needed by the children of the Troitsk orphanage.

In a way, this can be seen as an assessment of the Perfect Day programme, which was launched at the Prigorodnoye production complex a year ago. The methodology is a competition between four shifts of complex operators to achieve high production results.

"If we talk about the bow-tie analysis evaluation method, which allows us to show the link between the sources of risk and its consequences, the operators are the last barrier that can prevent an incident," explains programme initiator and co-ordinator Anna Shapovalenko, Head of Operations Support at Prigorodnoye. In her view, the Perfect Day programme is designed to build high awareness and personal responsibility of each employee for safe and reliable production. Operators must not only assess their actions, be able to hear 'weak signals' and participate in finding solutions, but also monitor the elimination of possible deficiencies and safety violations.

Each shift of operators decides independently how to spend the prize money from the competition. The proposal to help children without care was shouted out in one voice by Dmitry Tyurin, Andrey Kaverin and Lyudmila Karpina – it was supported unanimously.

"Of course, there were several options," says Sergey Syzganov, shift operator, "but as soon as the idea of helping orphanage residents was voiced, all the others became irrelevant. Many of my colleagues have children, and they know how important attention and care are for them.

Sergey took on the negotiations and the hassle of buying the gifts. As he says, he acted as the focal point of the campaign. He talked to Nadezhda Kirillova, the director of the Troitsk orphanage, and she suggested that her charges could use sports equipment. The boys attend sports sections, and their clothes, unlike their manuscripts, burn like fire.

A week after this conversation, Sergey and his colleague Anatoly Anikanov arrived at the orphanage with a pile of presents. An enthusiastic "yes" from somewhere in the crowd told the workers better than any thanks that their efforts had not been in vain. The stern operators, who seemingly can't be bothered with anything anymore, were genuinely touched.

"After visiting the orphanage, I talked to my daughter – she is eleven – but I couldn't explain to her why some of these kids are abandoned by their parents," says Sergey. – Of course, I understand that this happens, but I can't accept it.

So the Perfect Day programme really does help to shape high responsibility, including in human relationships. After all, happiness is not about having fun. Happiness is when we do something really important.

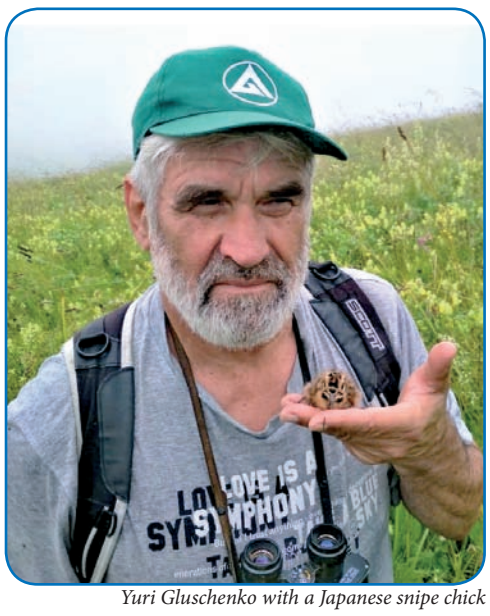
■ Elena Gurshal

Change of "C" operators of the Prigorodnoye production complex

Winged Friends Taken under the Wing

Have you heard the singing of blackbirds – not ordinary blackbirds, though, but blue rock thrushes, a related species? Or the whistles of the reed buntings? Or perhaps a heart-to-heart talk of mandarin ducks? If you say "No", no one will believe you. There are more than 360 bird species on Sakhalin alone, of which about 160 nest on the island. Surely, everyone can see or hear a bird sing; recognising the species of the bird demonstrating its vocal abilities, however, is something few of us can boast of.

To tell the truth, even professional ornithologists from the Far Eastern Federal University who have been monitoring rare bird species in the vicinity of Sakhalin Energy's production facilities since 30 May this year sometimes rack their brains, trying to guess what species is producing particular sounds. In the end, of course, the combination of knowledge and experience helps them to crack the riddle.



Yuri Gluschenko with a Japanese snipe chick

RIGHT-OF-WAY AS A FEEDING AREA

According to Oleg Burkovsky, Lead Specialist of the Sakhalin Energy Environmental Monitoring and Biodiversity Conservation Subdivision, protected bird species listed in the Red Data Books continue to be the subjects of study. The scientists conduct monitoring of the birds to find out whether they feel any discomfort from the proximity to production facilities. The observation results assure them: there is no negative influence on the bird communities.

Yuri Glushchenko, PhD in Biology, Associate Professor of the Natural Science Education Department of the Far Eastern Federal University, has been studying birds for almost half a century. For many years now, he has participated in the study of avifauna in the vicinity of Sakhalin Energy production facilities.

The scientist explained: "More often than not, changes in the landscape, the edge or ecotonic effect* have a beneficial impact on bird populations. Even though they do not nest in the right-of-way along the pipeline route, many species come here to feed, and have more chances to find food than in continuous coniferous forests. This also applies to the Red Data Book species. For example, great gray owls prefer to hunt rodents in the strip area. Japanese snipes, classified as a flagship species in our study, prefer meadow areas. As the meadows started to get overgrown with shrubs and tree undergrowth, the breeding pairs were naturally redistributed across the existing habitats."

FENCE TO HIDE FROM BEARS

Any ornithological research is not only a thorough, interesting and responsible business, but also an undertaking that requires compliance with strict safety rules. For example, one must keep in mind the probability of an encounter with a brown bear – the 'king' of the Sakhalin forests – during monitoring activities.

"All participants of our field team have received appropriate theoretical training, so a bear sighting will not take us unawared. Nevertheless, we do our best to minimise the risks. Each of us is equipped with two hand flares, firecrackers, and a signal horn.

During bird counting, we use sound signals to indicate our presence and keep off bears. In addition, we surround our field camp with an electric fence. Electric shock does not pose a threat to the life of animals, but is a sure method to scare them away," adds Kirill Ostapenko, head of the field team, PhD in Biology.

GUESS THE SINGER

Attention to safety issues does not distract the scientists from their main mission—to register Red Data Book birds inhabiting the study area and collect data on them. The ornithologists have to be very attentive when differentiating the sounds of different species, because mimicry is widely common among birds.

"There are very interesting cases. For example, the Japanese white-eye, an inhabitant of deciduous forests, is very fond of imitating the singing of the wide-winged cuckoo that lives in coniferous forests," says Yuri Glushchenko. "Yellow-breasted buntings are champions in this respect. Sadly, they are a rare sight here now. In the past, these birds were widespread on Sakhalin, but they have been massively caught with nets and eaten by local residents during wintering in southern Asia."

The scientists emphasise that the protection of rare birds is the task of the state. Moreover, the predicament of yellow-breasted buntings cannot possibly be resolved through the efforts of one party only. This problem requires active participation of the international community. Even so, the fact that this issue has been actively addressed by Sakhalin business for many years already certainly plays a significant role in the preservation of the biodiversity of the island fauna. After all, we want to continue admiring bird songs ourselves and do everything possible for future generations of the islanders to do likewise.

■ Pavel Ryabchikov

** Borderline zone between two ecosystems.*

Red-necked Nightingale

Dubrovnik oatmeal

No Whale-Disturbing Noise

In early June, Sakhalin Energy took part in the 19th meeting of the Working Group on Noise, held with the participation of experts from the Western Gray Whale Advisory Panel (WGWAP) of the International Union for Conservation of Nature (IUCN).

Sakhalin Energy specialists and the WGWAP experts launched the discussion of an updated version of the plan to minimise and reduce the impact on marine mammals. This plan was developed for seismic survey to be conducted in 2022, using the company's experience and practices.

In addition, Sakhalin Energy presented the findings of acoustic noise measurements made at the boundaries of the Piltun gray whale feeding area in 2020. The data analysis shows overall noise reduction during routine production operations at the company's offshore facilities. This result was achieved due to the planned replacement of supply vessels servicing the oil and gas production platforms, which took place in 2017–2018. The company proved that the noise from production activities at its offshore facilities at the boundary of the summer – autumn feeding area was below the threshold for behavioural responses in gray whales.

The Sea of Okhotsk population (western sub-population) of gray whales, which has been assigned a high conservation status in the Red Book of the Russian Federation and the IUCN Red List, feeds in the vicinity of the company's offshore production facilities during the ice-free period. In this regard, Sakhalin Energy considers the monitoring and conservation of gray whales, as well as other mammal species, to be a task of great importance. According to the IUCN WGWAP experts, the annual growth rate of the sub-population is 4.3–5.4%.

The IUCN WGWAP experts highly appreciated the quality of the research work performed by Sakhalin Energy specialists.

■ Andrey Samatov

our children

We are Ready to Set Sail

The life of the International school located in the Zima Highlands residential complex has been marked by the reopening of its doors after receiving its licence to teach.

The last year has not been easy for everyone. The roller-coaster is an interesting ride, but when translated into reality, it becomes less of a thrill. When it's hard to know what's around the corner – up or down – you start to appreciate stability. COVID-19 has had a significant impact on all areas of life, including education, and has changed them in many ways.

In pre- COVID-19 times, there was much debate about the advantages and disadvantages of home education. In the spring of 2020, the subject matter of the debate ran out of steam. By trial and error, everyone was forced to learn a new way of learning. The three sides of the process (children, parents, teachers) faced an enormous psychological burden. Our freedom has suffered – our ability to communicate with family, friends and colleagues has been restricted. People are social by nature and it was very hard to lose all this.

According to schoolteachers and headteachers, this period has been the most challenging of their careers. After all, the role of the teacher is not just the formal transmission of knowledge and the development of skills – it goes much deeper than that. The emotional connection between teacher and pupil is of paramount importance, and to be deprived of the opportunity to do their job within a familiar format was a serious challenge for everyone.

"At the start of the pandemic, our school was closed for face-to-face learning and we moved to a remote learning structure. Initially we had anticipated that this would be a very short period, but it became evident that we would be in this remote learning model for a lot longer, – says Rachel Storer, deputy headteacher of the International school. – We are lucky to have a very dedicated and creative teaching team, supportive parents and remarkably adaptable students. Moving your classroom online brings many challenges and our team had to adapt overnight to a new way of teaching and learning. Reflective practice and strong communication with our class parents was so important as we discovered what worked, what didn't and continuously adapted to the needs of our students. It has definitely been a challenging journey for everyone in different ways and I think we've all learnt new things about ourselves and our students over our time online."

"After more than a year online, we have very recently opened our doors for face-to-face learning. Being back in the classroom is incredible! We used to take it for granted, but as a teacher and a mum, being out of school for so long has been a reminder of how important schools are in a community and face-to-face learning is for whole child development. It's also a good reminder of how important education is and how fortunate our students are to have education available to them."– added Rachel Storer.

Although the joys of the summer holidays are yet to come, teachers, children and parents are looking forward to the new school year. The school has managed to get an educational licence from the Ministry of Education of the island region thanks to the coordinated work of various Sakhalin Energy departments. In addition, we have made repairs to the school – replacing floors and installing fire doors. So, a new school awaits the children in every respect to help our children become 21st century learners.

SOPHIE ELLEN LUBNIEWSKI – A STUDENT IN INTERNATIONAL SCHOOL

It was a new experience for me. It wasn't easy to study at home, limit my meetings with friends, keep a social distance, wear a mask and wash my hands all the time, but I think I got off pretty easy.

I was sad when we were told that we would now study from home, because I really love school and my friends. During the week we trained, adjusting to virtual reality. Many new habits emerged. For example, I realised that it is easier to do my schoolwork by writing everything down at the start of the day, and checking it off, and I still do that now. It also makes you feel proud of seeing how much you accomplished in a day.

Of course, studying on the online programme is not easy, but I was developing a steady routine to keep me going. The teachers set us a lot of fun tasks, including the time when I made a Mount Everest cake when we were making an Everest model based off of its descriptions in the current novel we were reading in literacy class. There have been many school assignments and some of the students also seemed a bit overwhelmed with the number of things they needed to get done, so the teachers enforced "catch up Friday", which basically meant that we had a day to catch up on what we didn't manage to do in the week.

There are positive aspects to homeschooling, but still I was happy to go back to school and am looking forward to the new school year. And a big thank you to our wonderful teachers who have done so much for our successful homeschooling. Take care!

On the first of September we are ready to "set sail" and continue our journey, looking forward to a more positive and fulfilling 2022 for all! In the meantime, we will work closely with the Children's Centre and Summer Camp, which are dedicated to educating and providing recreational activities for Sakhalin Energy employees' children and offer great opportunities to create a unified multilingual and multicultural space for school children. Ultimately, we are all here to help our children in their development and education.

■ Tim Robinson

survey

Such an Opportunity Should Not Be Missed!

Sakhalin Energy participates in the Russia Employer Rating 2021 by Russia's largest online recruitment company HeadHunter. Voting started on 28 June and will end on 30 September 2021.

The company has an opportunity not only to repeat, but also to surpass the success of 2020, when it was ranked among the top five employers in the country in the Russian fuel and energy complex. This year, Sakhalin Energy is taking part in three categories: "Most Popular with Applicants", "With the Most Engaged Employees", and "With the Most Developed HR Processes".

The ranking provides an opportunity to evaluate the results of the company's HR policy, to support the work to create a comfortable environment for employees, to demonstrate its attractiveness as an employer and, together, to contribute towards continuous improvement. And here, indeed, every employee's voice counts!

In 2020, 1,430 employees (64% of Sakhalin Energy's total workforce) completed the survey. This year's result depends primarily on the conscientiousness of each of us, as participation in the rating is one of the main indicators of staff loyalty.

The procedure for the survey is quite simple. To vote, direct hire staff must use a QR code in Russian or English and answer the questions. It only takes a few minutes but will help the company set a new bar amongst the industry. This is an opportunity not to be missed!

■ Maria Nikolaeva

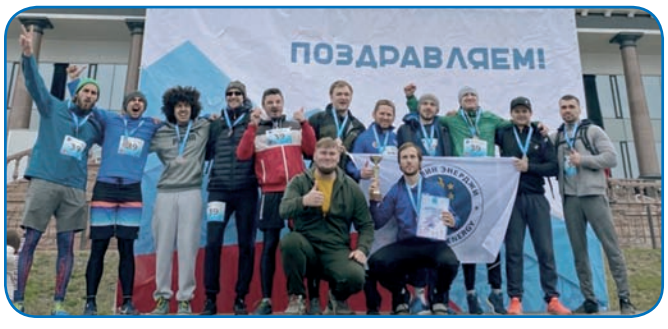
sport

Victory – in Honour of Victory!

The Sakhalin Energy team won the track and field relay dedicated to the Victory Day in the Great Patriotic War.

The runners took the third place among the teams representing Yuzhno-Sakhalinsk labour collectives, giving the first two places to representatives of the Ministry of Emergency Situations and the Education Department. The athletes covered a three-kilometre distance of the race along Gorky Street, divided into twelve sections of 250 metres each.

Our team with captain Vadim Borisov included employees from almost all directorates of the company: Igor Strelnikov, Alexey Fedosenko, Nikita Shimko, Ilya Kasatkin, Ilya Ugryumov, Alexey Ozorishin, Vasily Tarakanov, Rinat Nuriyev, Vitaly Pachin, Anton Shapiro and Nikolay Nikolayenko. Congratulations to the sprinters on their victory!



bookshelf

Following in the Footsteps of Science

The company's annual Book as a Gift project was launched on Sakhalin. Given that 2021 has been declared the Year of Science and Technology by the President, a selection of 27 books is dedicated to this very topic. Traditionally, the Sakhalin Regional Scientific Library was the first to receive it, where the presentation of the set took place.

"Interest in science begins at an early age. A fascinating supplementary literature plays an important role in this process, creating a thirst for knowledge and a desire to learn and change the world," says Marina Moruga, Head of Information Support and Media Relations. – The Book as a Gift project is the company's contribution to creating favourable conditions for the development of young talents, who, we hope, will work for Sakhalin Energy in the future and become oil and gas industry professionals and experts, innovators and inventors.

On that day, the guests of the event, including pupils of the Yuzhno-Sakhalinsk Palace of Children's (Youth) Creativity, witnessed several experiments, for example, using liquid nitrogen, which has the properties of liquefied natural gas. Albert Garafutdinov, Head of Sakhalin Energy Analytical Laboratory, told the children about the LNG production cycle system. In turn, the young Sakhalin residents watched with undisguised curiosity the transformations of balloons, tennis balls and fresh flowers and shared their conclusions aloud.

Sophisticated technology would not have emerged without research and scientific discovery, but as the English writer Charles Dickens rightly observed, "of all the inventions and discoveries in science and the arts, of all the great consequences of the marvellous development of technology, in first place is the book printing".

In the near future, 26 more libraries on the island will be receiving themed sets of books – for the 12th time, their collections will be enriched with beautiful books for readers of all ages.

■ Elena Glavanova

award

Vesti are the Best!

The corporate newspaper Vesti of Sakhalin Energy won the All-Russian contest In the Union of Word and Goodness in the nomination Charity and Patronage.

This is a contest for all types of mass media held by the Life Line supporting fund and the Russian Television Academy fund. Among the finalists for the 2020 award, Sakhalin Energy became the only representative of the oil and gas industry in Russia.

Sakhalin Energy received recognition in the nomination Corporate Media for its focus on promotion of the linguistic culture of the Sakhalin indigenous Minorities and popularisation of their endangered native languages. A series of materials on preserving a unique culture of the Sakhalin indigenous minorities was published in the newspaper Vesti of Sakhalin Energy throughout the UN International Year of Indigenous Languages. The company's project The Year of Languages was highly appreciated by the expert council and jury which include recognised experts in various areas.

"Today the topic of supporting indigenous peoples is a hot topic, as history shows that neglecting the native language leads to the extinction of the national culture, and this loss is irreplaceable. It is great that businesses, including Sakhalin Energy, are aware of this and do not ignore such a beneficial trend, promoting a 'kaleidoscope' of goodness in their corporate media," said Faina Zakharova, President of the Life Line Charitable Foundation for Sick Children.

For Sakhalin Energy, as a socially responsible company, engagement with the indigenous minorities of the North is a priority. For many years, with its support and participation, projects and programmes have been implemented to preserve and develop the languages of the island's earliest inhabitants, their traditions and culture.

Yulia Zavyalova, Lead Specialist of the Social Performance Subdivision advised that during the Year of Languages, the company was one of the first in Russia to launch a series of events aimed at preserving the linguistic heritage of the Sakhalin indigenous minorities. All of them became the part of the federal plan for the Year of Languages in the Russian Federation and were aimed at the widest possible target audience. Yulia Zavyalova added that on the eve of the 10th Anniversary of Indigenous Languages which will start next year, The Year of Languages became the key that opened the door between the past and future and allowed the languages of indigenous minorities to sound in full voice.

■ Marina Semitko

contest

Drawing Sakhalin-2

In the year of the 27th anniversary of Sakhalin Energy, we continue the first corporate art contest, Drawing Sakhalin-2.

Do you love creating works of art and receiving gifts? Then follow the example of your colleagues and join the participants in the new contest!

The rules are very simple: draw or paint Sakhalin-2 as you see it. This way you will make yourself and your talent known to others. Use your imagination and represent Sakhalin Energy's activities, its mission and principles on paper, portray your colleagues, demonstrate everyday work, production facilities and everything else that makes our project so remarkable.

"Golden Platform", by Vlad Vatutin

"The gas train at sunset", by Anastasia Nemykina

"Molikpaq", by Olga Navalikhina

The contest is open to anyone willing – employees of the company, recruiting agencies, contractors, employees' family members, including children under 18 years of age. You can submit either individual or collective works (up to three pictures) executed in any graphic or painting technique. The essential condition is that your drawing is devoted to the Sakhalin-2 project.

Entries will be accepted at ea@sakhalinenergy.ru until 25 August 2021. Please do not forget to include the subject of the letter: "Drawing Sakhalin-2".

Hurry up to join our contest! Winners will be awarded with diplomas and gifts. The first ten participants will receive incentive prizes. If you have any questions about participation in the contest, please call: 66 2544, 66 2711, 66 2032, or write to ea@sakhalinenergy.ru.

■ Yulia Vatutina

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