



ТШО ЖАҢАЛЫҚТАРЫ

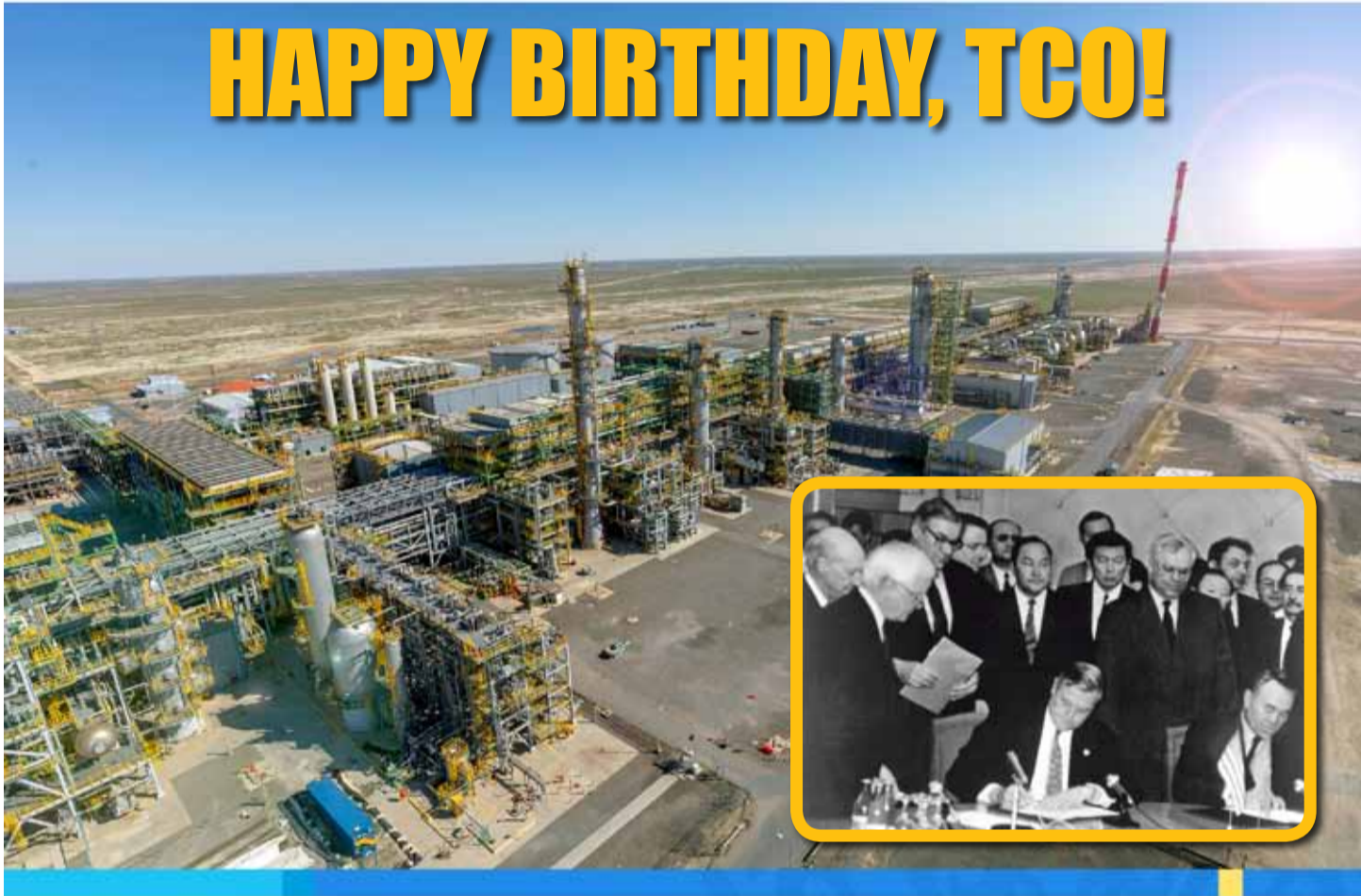
«Тенгiшчевройл» жауапкершiлiгi шектеулi серiктестiгiнiң басылымы
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Tengizchevroil Newsletter

НОВОСТИ ТШО

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TCO NEWS

HAPPY BIRTHDAY, TCO!



Congratulations to the Tengizchevroil team!

On April 6, 1993, the Republic of Kazakhstan and Chevron Corporation signed the Tengizchevroil LLP formation agreement. Today, 21 years later, TCO is the largest and safest company in Kazakhstan which produces and markets crude oil, gas and sulfur.

Our success is the result of the dedication and hard-work of the TCO workforce. Thank you for remaining safety-focused while delivering strong business results. We wish you continued success and happiness at home and work. Sincerely,

Tim Miller, General Director
Anuar Jakiyev, Deputy General Director

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On FGP construction sites

FGP-WPMP continues to ramp up at site in Tengiz, with major infrastructure construction (formerly "Early Works") underway and gaining momentum

On Tuesday, March 25, the first train load of aggregate – rock material crushed and blended to meet our specific project specifications – was delivered to Tengiz over two hours, safely and with no incidents. It is the first of some 7.5 million tonnes of aggregate that will be used to prepare the site for 3Gi, 3GP, Well Pads, New Camp, Construction Compound and roads.

Aggregate plays an important role in site preparation. When a site is built up, geotextile material is placed as the bottom layer. Next, a layer of sand is spread -- the thickness varies depending on requirements. Then additional geotextile material is placed over the sand, and all of it is finally topped off with aggregate. The aggregate will "wear" better than the sand, and it will handle heavier loads – such as FGP-WPMP modules -- due to the material binding and spreading out the load.

Because there is no rock material in the Tengiz areas, the aggregate comes from a quarry near Aktobe – 100 percent Kazakhstani Content. Each side-dump railroad car (pictured) carries about 62.5 tonnes of aggregate. Eventually, seven full trains a day



will arrive at site with 40 cars each, carrying approximately 2500 tonnes of aggregate per rail car.

"We still have a long road to travel, which will require that we continue the teamwork demonstrated to successfully to receive

this first load of aggregate with no incidents," said Heinz Scheer, FGP-WPMP Project Logistics Functional & Freight Manager. Scheer recognized the following TCO and KPJ-KPJV Project team members whose work was key in reaching this key milestone:



Discussed the results of the year

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Listen, Leningrad...

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Zhylyoi praises oilmen's social responsibility

On the threshold of the forthcoming Nauryz 2014 festival in the Zhylyoi region, Maxim Izbassov, head of regional government sent a message to Tengizchevroil and a number of TCO contractors, thanking them for significant contribution in the development of region's social infrastructure.

A large delegation of regional government led by Akim arrived at the special event hosted this time by the Shanyrak Rotational Village in Tengiz. Maxim Izbassov spoke to the oilmen, reporting on recent achievements, outstanding issues and wishes of community members. He particularly emphasized the role Tengizchevroil and service companies play in the economy of the region. The Akim recognized the active involvement of TCO and Contractors in resolving outstanding issues faced by local community and their strong commitment to sup-

porting local residents. As a sign of such recognition and respect, the Akim handed letters of appreciation to representatives of Caspian Sulfur

Co., Mukan Service, Sichim, MunaigasKurylys, TenizMunaiKurylys, Sayan, Caspi Projects Kazakhstan, Senimdi Kurylys, Ariadne, Denholm

Zholdas, Atyrau Tengiz Construction Services and Bolat Zhol companies.

The great teams of professionals of the above companies were also recognized by TCO general Director Tim Miller, who made remarks at the event. TCO General Director particularly highlighted the fact that TCO takes the lead both in Kazakhstan petroleum industry and, simultaneously, in corporate social responsibility, placing a special focus on the development of social infrastructure in the Zhylyoi which is the home of Tengiz oilfield. This strategy has been strongly supported by all contractors which multiplies the effect.

In the meantime, the visitors



presented to Tengiz oilmen not only letters of appreciation, but also a gala concert given by local musicians.

By Galiya Essenova



Members of local Parliament on a business visit to Tengiz

A delegation of Atyrau Oblast Maslikhat (local parliament chamber) visited the sites of Tengiz upstream facility during a business tour.

The local parliament members visited KTL and SGP plants to familiarize themselves with the process and organization, as well as to know better the work condi-

tions. When visiting the Central Control Room which houses controls of the entire huge operation, the deputies held a Q&A session with operators and maintenance personnel which touched on many issues of reciprocal interest. In particular, the parliamentarians were interested to know more about primary purification of crude oil and sour gas injection, reliability of the process and

standard of safety at TCO. They took a keen interest in the reported fact that TCO had discontinued routine flaring in Tengiz a few years ago after completing a unique project recognized as revolutionary among worldwide upstream. The members of the Maslikhat also asked many questions about the new large-scale expansion currently underway – Future Growth Project.



After visiting the Plant and Field, the deputies made a tour of Shanyrak rotational village in Tengiz and admired excellent living conditions of TCO employees, the

superior catering service and the unique opportunities for rest and recreation TCO employees enjoy while on rotation.

By G. Essenova

On March 20 and March 23, respectively, Atyrau and Tengiz were hosting Nauryz 2014 festival.

TCO HR is taking advantage of this publication to thank all department heads of TCO and managers of TCO Contractors for invaluable contribution to organization of the important festivities.

The Thursday of March 20 saw a wonderful theatrical performance presented to TCO office workers in the conference hall of TCO HQ. The spectators enjoyed colorful reenactment of Kazakh national traditions accompanied by folk music. Also a Kazakh yurt was installed inside the hall, and its owners invited employees and treated them to delicacies of Kazakh cuisine.

On the Sunday of March 23, a similar event was held in Tengiz. In spite of the bad weather, the organizers managed to complete all logistical works, including erection of the stage and leveling of the site in front. The total of 4000 employees attended the event in Tengiz.

The first to offer warm Nauryz greetings to the people was deputy akim of Zhylyoi Region Nuradin Umirbaev. On the important day of Summer Equinox he wished happiness and wellbeing to TCO employees and visitors. The official also stressed the importance of immortal values, such as unity of people, solidarity and mutual understanding.

Taking the floor next were Theodore Alan Etchison, gen-



eral manager of TCO Operations and two union leaders - Amandyk Kabdygaliev, and Rasymkhan



Nauryz festival in Atyrau and Tengiz



Matenov, who offered heartfelt greetings for the nation-wide holiday.

Ariadne Company made its contribution presenting a theatrical performance to the attendees, also supported by volunteers from Emergency response Group and OE/HES. On behalf of TCO Operations Aigerim Abisheva performed a beautiful Kazakh folk dance. The spectators enjoyed a gala concert and exciting sports events. According to the lasting tradition, the Best Yurta competition was held. Ariadne took the title this year.

All participants of contests and sports events were recognized with special memorabilia.

By Beibit Ikhsan, HR lead specialist

Forum of Kazakhstani Suppliers

Forum of Kazakhstani Suppliers of the Tengizchevroil (TCO) LLP's Future Growth Project – Wellhead Pressure Management Project (FGP-WPMP)

Opportunities for establishing joint ventures with international partners as well as potential participation of Kazakhstani companies in FGP/WPMP were the basic topic at the Forum of Kazakhstani Suppliers held on 10 April 2014 in Astana.

The Forum was attended by the RoK Deputy Prime Minister – Minister of Industry and New Technologies,

A. O. Issekeshiev, the RoK Minister of Oil and Gas, U. S. Karabalin, representatives of the RoK Ministry of Industry and New Technologies, the RoK Ministry of Oil and Gas, the RoK Ministry of Economy and Budget Planning, the RoK Ministry of Labor and Social Protection of Population, JSC NC KazMunaiGas, representatives of Kazakhstani industry associations, national agencies, unions as well as domestic and international companies.

When addressing to the Forum participants, the RoK Deputy Prime Minister – Minister of Industry and New Technologies, A. O. Issekeshiev spoke: 'Following the Mission set by the Head of the State, supply of goods, works and services for oil producing and oil refining industries is considered as high priority aspect of industrial development program for nearest years. Aim of the State Policy is creation of local goods, works and services cluster to support the largest fields' development and operation. One of the largest, near-term projects is TCO's Future Growth Project. Last year there were discussions held with TCO on Kazakhstani companies' goods, works and services development, and there had been discussions held regarding the signing of the Memorandum of Understanding and Agreement with TCO. TCO is one of the first companies that un-



dertook significant commitments and kept supporting Kazakhstani industry development. I hope for active participation of local enterprises and allocation of their role in this project, and future TCO's efforts in this area within the frames of Memorandum commitments and agreements. One of the major outcomes of this Project, in addition to the growth of local goods, works and services share, was the legacy of the Project, namely, knowledge transfer, assistance in certification, training of local personnel, and transfer of experience to Kazakhstani companies.'

When addressing to the Forum participants, the RoK Minister of Oil and Gas, U. S. Karabalin spoke: 'The project being implemented by TCO is very important for the Republic of

Kazakhstan as one of oil producing countries. The Future Growth Project will enhance production at Tengiz by 12 million tons per year, i.e. Tengizchevroil will be producing more than 800 thousand barrels a day. Besides, FGP will significantly influence the process of job creation as peak manpower demand will reach 20 thousand during construction. Besides, about 500 new jobs will be created for future operation of FGP facilities.'

In his turn, the General Director of Tengizchevroil LLP, Tim Miller spoke: 'One of the most important objectives of TCO is to increase use of Kazakhstani goods and services in all aspects of our activities. This objective has been a top priority for our company'. The Project management

provided overview information on FGP/WPMP during the Forum as well as information on development of Kazakhstani Content in FGP/WPMP.

Besides, representatives of foreign and domestic companies including General Electric, Nabors Drilling, KPJV and PSN KazStroy provided overview of their activities and information on development of Kazakhstani Content in engineering and drilling.

The Forum provided a good opportunity for representatives of local companies to address questions to Tengizchevroil LLP managers and specialists. Questions basically related to potential assistance in searching international partners for any type of activities, execution of contracts, recording into the database, suc-

cessful pre-qualification and establishing JVs.

In his closing speech, the RoK Vice-Minister of Industry and New Technologies, N. E. Sauranbayev noted extensive efforts taken by TCO, National Chamber of Entrepreneurs, Machine Builders of Kazakhstan LEA, Union of Service Companies LEA and other associations.

He also noted that TCO demonstrated commitment and readiness to work on improved Kazakhstani Content, and the set goals had been achieved in general.

Mr. Sauranbayev made a point that other major projects would follow in Kazakhstan and be reviewed for engagement of domestic suppliers. He encouraged representatives of domestic manufacturers to get prepared for major projects, train personnel and the RoK Government will provide the extensive support in its turn.

The General Director of Tengizchevroil LLP, Tim Miller summarized: 'Although today's Forum is ending, FGP and WPMP are just beginning. I ask you to take three simple messages with you when you leave here today.

First, one of TCO's highest goals is to increase the use of Kazakhstani goods and services in all that we do. That has always been, and will continue to be, a top priority of this company.

Second, the use of Kazakhstani products and services are fundamental to the design, construction and operation of FGP and WPMP.

And third, TCO is committed to working in partnership with Kazakhstan's government, associations, national agencies, industries and businesses large and small.

The President Nazarbayev's this year address to the nation was titled – 'Common aim, common interests and common future'. I propose that the title of that speech guide us as we go forward'.

Upon completion of the event participants of the Forum had an opportunity for informal discussions.

Botagoz Kulshayeva
Meruert Sukhankulova

The International Business Week

In early April of 2014, Atyrau hosted quite a few key events which were the reason the business community referred to this particular period as the International Business Week

The now traditional Atyrau Oil & Gas 2014 and AtyrauBuild 2014 exhibitions, along with OILTECH 2014 and AtyrauInvest 2014, the latter held for the second time, engaged attention of petroleum and construction industries representatives from the total of 15 countries of near and far abroad. TCO, being the leader of Atyrau Region petroleum sector, also took active part in the above events.

During the three days starting on April 1, the premises of Atyrau Sports Center hosted the booths of 140 plus petroleum and civil engineering companies. These days presented a unique opportunity to local entrepreneurs, service companies, professionals and students to meet with representatives of lead companies, establish business contacts and get update on the areas of primary interest, including latest industry trends.

The primary focus of interest of our visitors was on opportunities of cooperation, employment and the Future Growth Project. I must recognize the effort spent by our colleagues, specialists of Kazakhstani Content Development



Group, HR and FGP who took all questions, provided detailed answers and painstakingly explained the processes of pre-qualification of potential contractors, the procedure of resume submission and further steps.

In fact, TCO HR prepared some novelties for candidates

which they were eager to share. Starting this year, HR has deployed the system of on-line resume submission, thus a candidate can check on the updated list of job openings on TCO webpage. In case a candidate discovers he meets all stated requirements for the given position, he/she can immediately submit a

resume to the data base using a special link.

Simultaneously with Atyrau Oil & Gas '14, the spacious hall of the Renaissance Hotel in Atyrau hosted OILTECH '14, now held for the 8th time. One of its panels was dedicated to Caspian off-shore field development, technical criteria

and opportunities for implementing large-scale investment projects in Kazakhstan. Nurlan Kaliev, FGP-WPMP deputy director taking part in the panel discussion specifically reported on the new opportunities FGP-WPMP opened to the Republic of Kazakhstan. He made a brief review of project status, local content strategy and development of capabilities for Kazakh suppliers of goods and services.

Taking the floor next was AtyrauInvest '14 forum of business community this time focusing on the role of large business in regional economy development. In his remarks at the forum Tim miller, TCO general director primarily expounded on the economic impact of FGP-WPMP expected to create around 20,000 new jobs at the peak of construction phase. The expectation is local suppliers will be paid over 1/3 of total cost of materials and services under the given project.

As a result of the forum, 500 representatives of businesses in 15 countries signed agreements and memorandums worth of almost tenge 20 billion. Guess, this was a result of the International Business week to admire.

Happy birthday, TCO!

When your good friends are by your side

In 1995, Tengiz appeared in urgent need of compressor operators for Unit 700 at KTL-2. TCO HR was busy analyzing hundreds of personal files, selecting specialists best fit for the job and also having sufficient background experience. This is how Zhangeldi Kuttybaev received his new assignment as KTL-2 compressor operator and found himself in his new workplace – inside the construction wagon housing the temporary office of Unit 700 staff.

Back in 1970, after completing his military service, Zhangeldi was sent to the training courses in Kronshtadt to become a boiler operator. Ever since his career has been associated with gas compression shop maintenance. After working for 7 years at the Guryev Chemical Plant, in 1987 Zhangeldi Kuttybaev accepted a transfer to Tengiz Gas-Processing Plant. Because all the positions with KTL-1 compressors were busy, his key job became maintenance of pumps. For some time he managed to combine two functions taking care of the pumps and simultaneously acting as part of the assembling team for new compressors. He is primarily grateful to Nikolai Litvinenko and Didar Khamzin who acted as his chief mentors, introducing Zhangeldi to contemporary technology and best practices. Yet he missed his chance to be part of the startup team for Unit 700 commissioning. At the moment he was busy supporting another startup and adjustment team from Samara,



also reinforced by Tengiz GPZ Maintenance staff. The group leaders were Vladimir Antonov and Viktor Kardailskiy. Zhangeldi's specific job was more of a roustabout nature as he followed the steps of startup team members and developed precious knowledge and skills. He made valuable entries in a dozen notebooks adding more hints related to the job of compressor servicing and automatic controls. His colleagues often took advantage of his generosity and borrowed his notes, however sometimes forgot to return them. There were no copy machines available at the time, so it was a problem. This motivated Zhangeldi to mostly rely on his memory, plus, of course, on his continuous practice as

part of startup and maintenance team which proved worth a university diploma at the time.

Later, in 1995, TCO sent Zhangeldi Kuttybaev to get his certificate of unit operator from Kulsary Technical School. Upon completing the training, he was tested personally by Ron Kelly, KTL-2 Superintendent assisted by members of Plant management team. He passed the exam with brilliance. Yet, there were still a few gaps which prevented him from acting as solo operator, but he soon filled the gaps during the startup of KTL-2 Second Train. Victor Mashtal and Kaldarbek Kashtaev noticed the enthusiasm of their new colleague and recognized his hardworking attitude. They volunteered to act as his new mentors and encouraged strongly every attempt of the young fellow to double check and get into detail. All-or-nothing is a typical attitude of TCO national operators.

The year 1996 became a major milestone for Zhangeldi as he started as a solo professional.

Whereas before Unit 700 produced methane, ethane and LPG, the first major upgrade added propane and butane of European grade, and later came the time for Project 12. Thus, Zhangeldi had sufficient opportunities to upgrade his skills during startup operations. He became a true guru in trial runs of pumps, compressors and automatic controls.

After his term at Unit 700,



Zhangeldi was transferred to the position of Demercaptanization Plant operator. He completed another training and took active part in DMC-1 startup and adjustment. Please find below the story Zhangeldi shared with us.

In 1999 I got a transfer to Unit 600 (sulfur recovery) and joined a large scope of work, including modernization of existing units and assembling of newer technology. It so happened I was eager to stay at Unit 600, and the Plant management was interested in keeping me there, also requesting that I complete cross-functional training to master all essential service functions for Unit 600. I received a strong and invaluable support from my mentors – Serik Seitov, Yuri Tigai and Marat Bekenov. Igor Ivanov, Unit 600 supervisor gave me a strong support in my training. Later I took part in startup of flaked sulfur granulation plant and also was part of the team for DXegassing Unit and Granulation Plants. As the new Granulation Plants were built, we learned more about this

technology. We completed special training, certification and took part in startup operations. Also, we completed the yellow lines procedure, and, finally, the plant was commissioned. Further on I personally started GX-1 and GX-1, assisted by my former trainers Murat Abdiev and Yuri Tigai. The first batch of granulated sulfur from GX was a true milestone event in Tengiz and an important milestone in my professional career."

Many years have passed since that moment. Zhangeldi is presently acting as mentor, supporting young operators. To act as mentor for the new staff at Units 600, 700 and DMC is both sign of recognition to him and a great pleasure. Zgangelidi is very proud his current best friends are former mentors who helped him become a true professional in Kazakhstan upstream.

Please join us in wishing newer achievements to respected Zhangeldi-aga!

By Rasymkhan Matenov

- I'm still on my way and in motion

A three-decade-long work record may not necessarily mean it is time to finish the journey...

Tengiz long-livers make special pride of our Company. We recognize those pioneers who endured the extreme hardships of the development project's early times, living and working in the middle of the nowhere-land, forget the minimum comfort and paved roads. They are the heroes who struck first oil at the record depth of 4000 km, overmastered the evil genie of deadly hydrogen sulfide and, finally, built a huge upstream facility in the heart of the boundless steppe.

Ok, now that you have read the above description, I can bet 99.9 percent of readers could imagine this refers to a typical sturdy with a weather-beaten face showing signs of wise fatigue, wearing a worn-out dicky and a scuffed hardhat, yet with an unmistakable shine of undying enthusiasm and inborn romanticism in the eye. Indeed, many of the pioneers who braved this new frontier looked this way. But there were also ladies among them. Clearly, the above description would not fit even remotely in this case. This, however, does not in the least downgrade the value created by quite a few women employees still working at TCO, who are proud of their 30-year work history in Tengiz.

Now is almost 29 years since she arrived in the Caspian steppe from the small town of Frolovo in the Volgograd Region of Russia. It was there where she started her career at a local rolling mill, but then accepted a transfer to the Archedinsk Drilling Company which had been awarded a

contract for a drilling program in a recently discovered super-giant oilfield in Western Kazakhstan. Marina, with her background training in petroleum chemistry and experience of a lab analyst at a large plant, was hired to a similar position at Tengiz Central Drilling Mud Laboratory. Her job was very important. Quality drilling mud is critical for keeping the oil well in a good condition, plus the testing of the used mud tells a lot about oil in place. Truth to be said, Marina never bothered to count how many times her boss reported gleefully to the Company management another wildcat was a success, after she was finally through with her "sorcery" and filled out the test form. In fact, she was the first who knew formation productivity of dozens of newly spudded wells.

And then in November of 1988, she was suddenly transferred to the Gas Processing Plant project, this time as a... warehouse supervisor.

Oh no, please, don't get me wrong. This was no typical warehouse job as we used to know it from the Soviet times, said Marina, laughing. – This was not about keeping and releasing quality food products on orders of corrupt authorities. My function was by far more complicated. I was in charge of acceptance of the new equipment shipped to Tengiz, checking its GOST compliance and specifications against the original orders. The job required special vigilance to make sure no deviations happened. We all understood very well the degree of our responsibility and potential



ramifications of occasional carelessness. We deal with hydrogen-sulfide which tolerates no laxity or monkey business, – explained Marina Ershova. – Apparently, the diligence and nicety I demonstrated in my previous job prompted the plant management I could be ideal candidate for this position."

After all, she did not stay too long in the Warehousing Group and after a few months was transferred to a position of Chemical Water Treatment operator at the Central Boiler, and this appeared a job for many, many years.

Once again, you may imagine occasionally the boiler is a typical man job. Some smutty face in charge of feeding the fuel oil to the nozzles, the humming and vibrating boilers producing hot water – this is an immediate association. Meanwhile, at a contemporary sophisticated facility the quality of hot water fed to the reactors and units is extremely important param-

eter, so before letting the water to the boiler it is normally treated thoroughly, and then the operator keeps an eye on a dozen critical physical and chemical parameters. Besides providing the required quality of industrial steam, the operator is also responsible for keeping maximum serviceability of the boiler. In other words, the job is fairly subtle.

We had a wonderful team. I keep the memory of all of my colleagues, including Nikolai Korshunov, Anatoliy Evlakhov, Misha Samartsev, Oleg Fedorin, Nikolai Gussynin. And still more – Ziyash Tumysheva, Sanguerei Musin, Nurzhaubek Ilyasov, Alex Polyakov, Zamza Lyapicheva and Ulmeken Saktaganova. Now the complete list. A great international team of representatives of many ethnic groups. We used to support one another sincerely, and this was genuine friendship and teamwork. Each of us felt very confident with a great team like that. And we always were

very aware the safety of many people depended on our proper performance. I guess we felt the particular responsibility during the final startup of the new plant. This was the moment of truth when integrity appeared the highest value and guaranteed success. The notions of Integrity and Honor are deemed by me as absolutely inseparable.

This attitude established later across the organization when Marina accepted a new job, now at the contemporary boiler built as part of Train Five project.

Presently Marina Ershova is a specialist with Competence Development Group. She is an expert trainer certified for ten different development programs. The extremely high responsibility, strong competence and the will to share the maximum of her knowledge along with respect to each individual, no matter what his work record, these are key components of her character and style of work.

Twenty nine years is a long journey. Her daughter Olesia has grown and graduated from the university. Tengiz has also changed a lot, and made a tremendous progress. There are two plants in Tengiz now, and the third will be constructed soon. Life is going on...

I am thinking, confessed Marina, that my entire career and social status I owe to Tengiz. TCO and Tengiz taught me to never stop and continue to move ahead, learn more and develop newer skills. Over these years I kept progressing both as professional (received a diploma of engineer) and as personality. And I want to continue. I meet with my former schoolmates who are no young boys and girls anymore. Honestly, some have come to a halt, finished their career and retired. And I am still on my way and in motion. I want to particularly thank Tengiz for this.

Feature by G. Trukhin

Two decades of vigilant service

TCO Emergency Response Team celebrated its 20th anniversary

Launched yet back in 1994 as self-sustained fire and gas rescue unit with its mission of protecting personnel and property of Tengiz gas-processing plant, the Emergency Response Team of TCO's has completed a long journey of development to date and is currently recognized among the best in profession in Kazakhstan.

Below is the congratulatory message sent to TCO firefighters by Major general Serik Aubakirov, Head of Firefighting Dept., ROK Ministry of Emergency Situations:

Dear colleagues, I am holding my hand to the heart as I am extending to you heartfelt greetings for the anniversary and our professional holiday! We have always been strong through keeping

our traditions, staying loyal to our people and performing our service dutifully. We have a good reason to be proud of our profession. Wishing you the best!

TCO ERT organized special festivities on the premises of Firefighting Station #1 in Tengiz.

As part of the celebrations, an exhibition of special equipment and aids available to TCO ERT was held. This is for a fact, our firefighters, indeed, have a record they can be duly proud of. TCO ERT is number one across Kazakhstan in terms of technology intensiveness. We trust this could hardly be otherwise, given our responsibility is the largest upstream facility in Kazakhstan.

Together with paramedics, TCO firefighters demonstrated superb professional skills and coordination.

A firefighter's challenge simulating real action was a truly spectacular show. Our athletes proud of many victories in this particular professional sport at all-Kazakhstan events showed excellent performance and put out the fire ahead of time standard. Then came the exercise where an injured person was rescued from the multi-storied building. As a result a dummy placed on top of a special tower was rescued, brought down safely from the tower to the ground and turned over to a team of paramedics who, in turn, acted professionally, provided first aid, used life support utilities available on board the IC ambulance and evacuated the injured to the clinic. Naturally, this was a simulation, yet very close to real life and demonstrating impec-



cable response action which was recognized by chief specialists of the plant and field.

The best crews of firefighters were awarded special prizes.

Offering warmest greetings for the important milestone were Rider Boot, Operations manager, Jaime Karbahal, OE/HES super-

intendent, Marat Gabbasov, TCO ERT manager, Yuri Zakharov, director of TCO Clinic and Sairan Kenzhegaliev, engineer with OE/HES.

Then the attendees were invited to watch the video telling the history and daily routine of TCO Emergency Response Team.

By G. Trukhin



Sleepless watch around the clock



Saniya Shintasova,
ERT paramedic on behalf
of TCO ERT staff

Vladimir Gilyarovskiy, a famous Russian writer who explored and described Moscow neighborhoods, lanes and alleys to detail, himself a survivor of many fires, once recognized the job of firefighters, saying "each firefighter is a true hero, spending his entire life at the battlefield, risking his life every minute..." This quote, probably, serves the best definition of these guys' selfless duty which is often the sole hope of a desperate person in misery and life danger.

After Tengizchevroil was formed in April 1993, local firefighting service was transferred from Ministry of Interior under TCO's own authority. Chevron expatriates proved a great help in initial reorganization. We remember very well the names of former TCO Safety Dept. manag-

ers B. Morris, D. Doran and consultant E. Sans. Later on, in January of 1994, the Emergency response Team of Tengizchevroil was built, inheriting assets from local firefighting unit (VPCH-143) of the Ministry of Interior. The first heads of TCO ERT were Chevron expats J. Gaspar and D. McNeel. Still later, in January of 1995, another firefighting detachment plus paramilitary unit also reinforced TCO ERT, as the service assumed responsibility for all facilities within the license area of Tengiz. Four fire stations were organized as part of ERT system – Station #1 for the Plant and Field, Station #2 is a depot for standby equipment and machinery; Station #3 is in charge of TCO Village area and Station #4 is a dedicated firefighting unit in charge taking care of Tengiz Rotational Village. Starting in 1996, the Gas Rescue Unit of Tengiz paramilitary service came under TCO ERT com-

mand. Thus, currently, the Gas Rescue Unit of ERT has state-of-the-art heavy firefighting equipment available, plus all the necessary contemporary tools and assets. The team of gas rescuers has vast experience, demonstrates high level of special knowledge and practical skills.

In 1997, a group of first aid was transferred from TCO Clinic under ERT's authority, so presently ERT has six state-of-the-art IC ambulance vehicles available and on alert 24 hours a day. The service is provided by qualified doctors and paramedics, including a few proud of their 20 plus year-long job record and many lives rescued.

TCO ERT maintains close business relations with the Firefighting Dept. of Ministry of Interior, assisting the brothers-in-arms with purchase of new equipment and investing time and effort in the development of perfect coordination. TCO

ERT and OE/HES management act as sponsors for Ministry of Interior firefighting units in the region.

In addition to the primary business, ERT firefighters are active in social and sports activities of Tengizchevroil and Kazakhstan. Our employees have been medalists of many important firefighting challenges held at TCO. ERT managers and staff contribute their time and effort to coaching, acting as mentors for the new hires. Particularly recognized for this activity are the executive officers and Training coordinators of ERT. Our young soldiers are in perfect physical shape, demonstrate great energy, communication and professional skills. We praise highly our inspectors who contribute a lot to equipment status, safety standard and combat readiness of our service through no-nonsense attitude and principled approach to the duty. Our control room dispatchers are marked

for cool-headed and fast response and excellent analysis and decision-making capabilities.

ERT management and staff have never been known for self-complacency, on the contrary, they are strongly committed to improving their skills and assets in order to be better than the best in profession. Nowadays, TCO ERT is a powerful system of fast and effective response, meeting all challenges related to protection and rescue of personnel and assets.

Dear colleagues, this is primarily due to your strong dedicated effort, hardworking and earnest service your performance and the standard of TCO ERT are recognized across Kazakhstan and abroad. All TCO employees thank you for your daily dedicated service, superior professionalism, courage and fast response.

From the bottom of our hearts we are offering you warmest greetings for the 20th anniversary of TCO Emergency Response Team and wishing you the best of health, happiness and success on your noble and highly responsible mission.



Discussed the results of the year



Major Capital Projects (MCP) Townhall Meeting was held under the lead of Rocky Brannen, General Manager. The regular annual meeting provided insight into 2013 results and achievements as well as 2014 key focus areas for TCO MCPs.

At the meeting, Rocky Brannen made a special emphasis on safety performance and noted superior performance in several key areas of Major Capital Projects. In addition to that, brief overview of last year's CAPEX budget and information about 2014 budget plan was provided. Kazakh content success stories in 2013 were also discussed.

The following achievements of major capital projects were specifically highlighted:

- Projects that have transitioned to Phase 5 including: Sulfur Expansion Project, Waste Water Treatment Facility and the IBMOA Canteen;
- Funding Approval for Future Growth Project Early Works and Long Lead;
- Phase 4 Approval of Crude Shipping Capacity Project, Seasonal Gap Reduction Project and the Capacity and Reliability Project;
- Projects scheduled for completion this year including K-3 Water, WISU, WRF and the TCO Kindergarten.

Marat Kaliyev provided an overview of the 2014 action plan for Gold Standard Assessment 2 effort during his part.

MCP employees Aigul Irmagambetova and Nancy Grossman gave insight into Chevron Women's Network (Atyrau chapter) presented last year and told about main goals and objectives of the network.

At the end of the meeting, MCP employees were recognized with letters of appreciation and gifts from Rocky Brannen for high achievements in 2013.

The meeting was marked by haste-less and cordial feel.

Aziza Khamiyeva,
Capital Projects

Tengizchevroil Launches First Incident and Injury-Free Forum

MCP IIF Leaders held their first Incident and Injury Free (IIF) Forum hosting teams from several Major Capital Projects (MCPs).

The purpose of the day was to explore best practices, highlight areas for continued improvement and celebrate IIF success across the projects. During the IIF Forum MCP IIF Leaders and Coordinators presented practical insights and shared their project's progression in 2013 and areas for further focus in 2014. Certificates were awarded to IIF Trainers who successfully completed JMJ's Train-the-Trainer program which provides trainers with tools to successfully lead IIF Orientations to project staff and contractors. Each trainer was recognized for their individual commitment to the project. Trainers stood up in front of forum participants and expressed why they had chosen to become an IIF Leader. "For me, being an IIF Leader is a great opportunity to keep supporting people to be safe and educate them to care about their co-workers. Individual's well-being is a critical value in this organization" said a certified IIF trainer from Second Generation Enhancement.

This forum was a perfect opportunity for each project manager and leader to learn from one another in order to gain further ideas around improving their safety culture" said Rudi Narine, JMJ Senior Consultant and speaker at the IIF Forum. "We seek to encourage exchange of insights and shared learning across these multiple projects." TCO CSS Manager Edgar Yzquierdo congratulated team members inaugural MCP IIF and thanked for taking the opportunity to meet each other and share best practices. IIF Team's efforts are



recognized through the successful execution of multiple MCPs with exceptional safety results.

The majority of TCO's projects embrace IIF as a way to improve working relationships, show care and concern for each other and to support a culture where team members strive for incident and injury free projects. TCO continues to be one of Chevron's leading business units in safety performance. IIF Champions within TCO expressed "delight and pride" to be part of an IIF Team, which has united under the slogan "Everybody goes home safe". MCP IIF Committee believes that every single person involved in MCP can be a leader in keeping individuals and the workforce safe.

We are building our safety culture day-by-day and "brick-by-brick" and this incredible amount of work is based on three IIF principles: We will treat everyone with dignity and respect we will work safely, not because we have to but because we want to be we will look out for each other

Though these principles seem clear and obvious and simple to carry out, it takes courage to implement them. It can be fulfilled only by a genuinely committed

IIF team including the MCP IIF Leadership Team and MCP IIF Coordinators' team. MCP IIF Coordinators are really passionate about doing all that they can so that nobody gets hurt on the projects by doing following:

- Trained over 5000 project team and contractors
- Train supervisors, mentors and Short Service Employees in IIF
- Edit IIF Newsletters
- Hold regular safety competitions to encourage participation in safety awareness
- Conduct regular IIF Pulse Surveys and IIF walk downs to understand concerns or unsafe working conditions
- Hold safety luncheons to recognize IIF leaders
- Created MCP IIF website and IIF Database for IIF participation

The IIF Forum was a great event to reinforce the successes already achieved by TCO Major Capital Projects and to continue building a strong safety culture. We will continue to share ideas, resources and strive to meet our vision of Incident and Injury Free projects.

Azamat Kurmanov,
MCP IIF Coordinator

Behavior-Based Safety

Driving monitors



Irina Korobeinikova,
Infrastructure BBS Steering
Committee Leader

Question: Do you know how driving monitors are similar to BBS observations?

Answer: They both perform the same function, because when a Company or Contractor has a driving monitor installed the vehicle it works like an employee observing his colleague's driving manner.

Driving monitor, aka VDO, is

an electronic device that records a wide range of at-risk behaviors, including the following:

- Accelerating too quickly
- Braking too hard
- Driving without headlights on
- Speeding (monitors 8 different speed modes)
- Driver's seat belt not in use

Each time the monitor registers an unsafe behavior, it sends a 'beep' message to the driver. If the driver ignores the message and continues the unsafe behavior, a record is made. At TCO the record of unsafe behaviors is kept on a weekly basis, thus each driver's performance is evaluated and published by respective Cost Center. On the average, the number of drivers working in Tengiz per week totals 1400. About sixty six percent of those 1400 have zero unsafe behaviors. They receive no 'beeps', which means



the guys belong to the group of very safe drivers. The remaining 450 drivers do have their 'beeps' and account for the record of almost 1000 unsafe behaviors per week.

Driving everyday can be quite a stressful activity. It seems perfectly normal that drivers occasionally can think of personal matters happening at home or issues at work, so they can easily miss some hazards inadvertently.

The 'beep' produced by the monitor awakens their state of alert, reminds them of where they are and prompts the correct response. The system will always allow a 'grace' period before actually recording an unsafe event. So, in a way the beep works like a tap on the shoulder, saying "Hey fella, are you sure you wish to go this fast? Are you going to use your seat belt? Don't forget your headlights." It essentially reminds

the driver that driving is a serious business.

Driving monitors we are using currently do not register all possible unsafe behaviors. Typically, they are unable to register such patent abuse like eating or sending SMS messages while driving, but they have proven to be an important tool when it comes to observing and providing feedback on critical types of poor behaviors, particularly, speeding. Here is some convincing statistics. Over the four years prior to the moment driving monitors were installed on 2000 plus Company and Contractor vehicles driven by more than the total of 16job-related injuries were recorded at TCO which means people were hurt. Then the VDOs were installed and, believe it or not, we have zero record of injuries in the 4 years that followed.

So, if you are a passenger taking a ride on a Company and occasionally hear a 'beep' sound, you will now know that a driving monitor is working to make your journey safer!

PR Conference on the banks of the Neva River

The subjects of Enhancing the effectiveness of Company advertisement and PR-strategy, Media Training, On-line Marketing and Shaping profile of the Brand Name on the Internet were included on the agenda of a 3-day event in St. Petersburg focusing on Key Advertising Strategies of a Successful Business hosted by the Russian School of Business.

All the above subjects are typical area of responsibilities of TCO Policy, Government and Public Affairs which we represented in the cultural capital of Russia. Truth to be said, we already attended similar conferences in the past many a time, thus only naturally the methods, key tools and achievements we reported at the event were recognized by all as up-to-date and exemplary. However, we know only too well that Public Relations is a domain relatively new to the business in Russia and Kazakhstan and is currently in the process of intense development to meet newer challenges. In the very same way as the Internet has become a dramatic breakthrough of tremendous value



for PR-activity, every innovation, new knowledge and best practices are extremely important to our specific job.

The three days of training facilitated by our great business trainers Christina Muravyova and Constantine Barezhev introduced us to a lot of useful information. The lessons were organized as interactive discussion sessions where we shared view points, compared ap-

proaches and practices. Among the trainees were representatives of many Russian regions, like Kostroma, Omsk, Komi Republic, Far East, Nizhny Novgorod and, of course, St. Petersburg. The two of us, my colleague Georgy Trukhin and I appeared the only foreigners. In fact, I was tempted to place the word in quotation marks, because we felt perfectly at home and everybody treated one another as kind



of a family, members of the inside track. We saw no difference whatsoever which was good. I would like to particularly mention that the most valuable part of the conference and the most emotional part also was the exchange of experience. The following thorough breakdown of our reports on methods used and innovations allowed us to identify and borrow plenty of useful ideas and best practices.

I have to admit the conference was extremely useful. We must give credit to the Russian School of Business for inviting great trainers with profound expertise and up-to-date knowledge of best international practices in the area of PR. Also, I would like to thank TCO Training for the precious opportunities they provide to us in terms of development training.

By Svetlana Kairgaliyeva

One more on our health

Our food – healthy and versatile!

In our previous conversations with the readers through our newspaper we told about the Kemel program primarily designed to promote the right ideas of healthy food for preservation and promotion of health of TCO employees. Within this Program the Medical department together with the ESS LLP has been successfully conducting explanatory work to encourage our people to commit themselves to the correct food behavior. We pursue this goal using various methods: individual conversations, distribution of booklets, release of posters, visits of work groups and publications on the website. In Tengiz, in all outlets of public catering conspicuous stands offer booklets and feature posters with tips suggesting how to make a correct choice from the available range of meals in order to keep the balance of proteins, carbohydrates, fats, with recommendations about necessary amount of consumed liquid and the healthy rations of food.

Today we once again want to draw your attention to this im-

portant question and give the chief directions which, although simple at a glance, are able to yield significant results and improve quality of life, provided you are prepared to demonstrate commitment and confidence.

Each person caring of his health wants to eat properly which guarantees good health, bounce, strong immunity and preserves us against chronic diseases. And, despite a popular belief, healthy nutrition does not necessarily mean tasteless food.

Often people do not wish to even hear about healthy nutrition because misguided by delusions and myths. Here are the most widespread of them:

- The healthy nutrition is a rigid restriction of food.
- The healthy nutrition rules out various "delicacies" completely.

Certainly, consumption of some products should be reduced, but this does not mean "rigid restrictions". The fundamentals of healthy nutrition are a reasonable balance and competent approach to the diet.



Valiya Naurzaliyeva,
TCO Clinic cardiologist

If you got used to eat a whole chocolate bar at one go, this would definitely be a mistake. Even a couple small pieces of chocolate should be enough to get the desired effect.

The healthy nutrition is based on several principles:

1. The caloric value of the food eaten during a day has to correspond to organism energy need.

Otherwise excess weight problems or discomfort connected with shortage of energy can occur and further develop into serious diseases.

2. Food has to be balanced and versatile.

The more versatile the food, the more useful substances arrive in our organism. A daily diet has to contain proteins and fats, and carbohydrates.

We should not forget the vitamins and mineral substances, too. They can be sourced from raw vegetables and fruit which improve the metabolism.

3. We keep to the right dietary pattern.

Regular meal at the scheduled time promotes distribution of calories and nutrients during the day. Many nutritionists agree that food four times a day is optimum for the adult. It is not necessary to compromise a breakfast or, as the well-known Russian saying goes, "to give a dinner to the enemy". It is necessary to essentially distribute correctly the quantity of calories on all meals.

4. We eat only when we need to and never overeat!

It is easy to confuse appetite with hunger, yet to get rid of surplus calories is by far not easy. Therefore, before setting on your meal, please make sure you are hungry. Also, you should not stuff up a stomach before going to bed. This can both affect the function of the digestive tract, and disturb your healthy sleeping.

5. We take food correctly and distribute products in a diet.

The food needs to be chewed thoroughly; also this is necessary to avoid too hot or cold meals. When

eating food, it is strongly recommended to turn off the TV or skip reading. The meat, fish and other products with high protein content are preferred for the luncheon or dinner, because they promote activity of nervous system. And fruit, vegetables and sour-milk products do not overload digestive organs, therefore it is safe to eat them before going to bed.

6. We cook and eat food only in good mood.

7. The positive emotional spirit is an important component of healthy nutrition!

Some serious "risk factors" which can nullify pluses of healthy nutrition are the following: abuse of alcohol, smoking, addiction to junk food, low or excessive physical activity. All the above affect digestive system strongly.

In order to make sure your food is well balanced, the diet must include veges and fruit – sources of necessary vitamins, minerals and antioxidants. Cereal, bean and grain contain complex carbohydrates, vitamins and food fibers. Meat, poultry, fish, dairy products deliver the proteins which are a construction material for cells and tissues of an organism. Sweets too aren't taboo, but because of the high content of sugar it is worth taking those with special care.

Water is an important component of a living cell in an organism therefore please do not forget to take enough of drinking water.

Tengiz C Cup: final standings

The week of March 31, 2014 saw the events of Tengiz annual C Cup which included mini-football, Togyz-kumalak competition (Kazakh logical game), billiards, chess and backgammon competitions. The primary idea of the Tengiz Cup is to promote the healthy way of life among TCO employees, to strengthen the team spirit and involve more people in amateur

sports. TCO Human Resources thanks all participants and fans for support of this unforgettable event, demonstration of the strong spirit of competition and excellent, captivating performance. Speaking of the spirit of competition and the will for win demonstrated, our event was a spectacular show, probably, as popular among local fans as the 2010 FIFA World Cup in

South Africa, but maybe attracted a stronger attention. The winners deserved their titles, without a doubt. Both the winners and all players were awarded certificates of attendance, medals and valuable prizes. The organizers are happy to report the games had zero record of DAFW injuries.

Below are the final standings and individual titles for each event:
MINI-FOOTBALL 3d place – TCO

Facilities Management; **2nd place** – Tengiz team of TCO Operations; **1st place** – Group of Logistics; **Best playmaker** – Ernar Erkinov of TCO Logistics; **Best full-back** – Artyom Sergeev, Tengiz team of TCO Operations; **Best goal-keeper** – Farkhat Eshmetov of Facilities Management.

TOGYZ-KUMALAK (Kazakh mind game) **3-d place** – Zharas Maratuly, TCO Engineering Design Group; **2nd place** – Abzal Es-sengazy, TCO Security; **Winner** – Serik Arinov, Second Generation Enhancement.

BACKGAMMON 3d place – Zhambul Uteuliyev, Askar Tau Engineering Ltd; **2nd place** – Sergei Pak, TCO Engineering Design Group; **1st place** – Alibek Diltaev, TCO Engineering Design Group.

BILLIARDS 3d place – Tazhi Dosybekov, ESS Support Services; **2nd place** – Ramil Nurzhanov, Denholm-Zholdas; **Winner** – Vladimir Semernya, PFU Please join us in sending greetings to the players.

TCO Human resources

Listen, Leningrad...

A training session in St. Petersburg would be a missed opportunity without an essential cultural program.

By Georgy Trukhin
Photo supplied by the writer

Palace Square

A training session in St. Petersburg would be a missed opportunity without an essential cultural program.

Tengizchevroil is proud of its thought-out and effective system of personnel development. Each employee has an opportunity to attend various courses related to his/her area of responsibilities which will supply a new knowledge, update the specialist on latest methods and best practices, as well as help develop important new skills, and provide useful recommendations. Each year TCO Training sponsors hundreds of classes, workshops and training sessions which come free of charge to the employees. In the meantime, the in-situ classes are not the only opportunity. One can choose to pick a subject of development training available at a related overseas location of Chevron. One may ask, what exactly 'overseas' means and how far abroad that could be. Well, this means practically any part of the globe. If the class you chose is in fact important to your job and could be effective for your professional development and beneficial to your department, consider you will get approval and can start to pack. The funds are allocated on each department budget, so not a problem. The above. However, was the preface to the story that will follow.

Svetlana Kaingaliyeva, consultant for TCO Policy, Government and Public Affairs in company with the author of this report had received approval from department management to attend a PR-Conference in St. Petersburg facilitated by the Russian School of Business. The three-day event was a rather intense training, yet extremely useful. In Russia an original system and concept of PR has established which is unique, because was designed for a particular environment of post-Soviet economy, considers the education, values and mentality of our citizens. To cut the long story short, for us, representatives of Kazakhstan, this was definitely a valuable experience.



Saint Isaac's Cathedral

But how that could be possible at all to stay in St. Petersburg and lose the precious opportunity to see this great city, one of the most beautiful cities in the world? Well, yes, we were extremely pressed for time, given the aggressive schedule of training sessions. No, it is absolutely impossible to visit all essential sites in this city during brief hit-and-run tours. Yet, this was totally unthinkable to miss the opportunity to see this fantastic creation of Tzar Peter the Great and his successors.

The evidence of how local residents love their native town we could see yet at the airport. Perhaps, this is a common feature of all international airports when a musical signal comes prior to each announcement. Normally, this a common, easily recognized combination of three notes, designed to arrest the passengers' attention. In Pulkovo Airport this is different. This is no plain signal, but a tune copying the melody of a popular Russian song by Vassiliy Solovoyov-Sedoi "Evening Song." I recognized this at once... "Listen, Leningrad, I will sing to you..." as my heart started to beat. Ever since this moment my heart was filled with a light, caressing wave of yearning and the anticipation of the meeting with the Beautiful.

Soon the city welcomed us,



The Peter and Paul Fortress

as we found ourselves in the starting point of our tour – the Palace Square which is the heart of this magnificent city where you can physically sense the pulse of its grandiose history.

The legendary Bronze Horseman is an equestrian statue of Peter the Great in Saint Petersburg, Russia. Commissioned by Catherine the Great, it was created by the French sculptor Étienne Maurice Falconet. The name comes from an 1833 poem of the same the name by Aleksander Pushkin, which is widely considered one of the most significant works of



The Bronze Horseman, statue of Peter the Great



The Aurora Cruiser, legendary warship of the Russian revolution



Inside the Hermitage Museum



Mikhailovskiy Theater



penetrate the real legacy kept in this treasure trove of the mankind.

Unfortunately, the format of this feature does not allow me to share all impressions of this visit. However, my heart and soul insist that I mention at least a few more things, like the evanescent night in the Mikhailovskiy Ballet Theater where we enjoyed the miracle of La Bayadère (The Temple Dancer) a ballet originally staged by French choreographer Marius Petipa to the music of Ludwig Minkus... Many thanks to Galina Khatina, a wonderful lady who bought the tickets for us and graciously acted as our guide in this temple of Terpsichore!

This City is a song, a poem that lives all by itself... Trust me, the lectures stuck much easier when you have such a stunning beauty right behind your window...

As the finisher, on our way back, already in Moscow, in transit to Atyrau, in the Vnukovo Airport we had an unexpected and pleasant meeting. A large group of young IT specialists of TCO was boarding a flight to Atyrau, the very same flight we took with Svetlana. This was a noisy group, with a guitar and all. The guys were happy they had completed a similar assignment abroad and enjoyed a very interesting cultural program.

Russian literature. The statue is now one of the symbols of Saint Petersburg, in much the same way that the Statue of Liberty is a symbol of New York City (both were designed and built by French artists).

Another living legend is the Aurora Cruiser, also the symbol of the Russian revolution of 1917.

Actually, you literally stumble on symbols and legends in this city every now and then, sometime a famous building, a bridge, then a cathedral, a monument, a black lamp post above the causeway or a golden spire piercing the cloud.

However, the chief destination and absolute must-do on the itinerary of each visitor of St. Petersburg is the Hermitage, one of the oldest museums in the world housed by gorgeous chambers of the Russian tsars'. A one-hour tour would be a shame and waste of time. Perhaps, a life-long excursion would not be enough to

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