



ТШО ЖАҢАЛЫҚТАРЫ

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KAZAKHSTAN CONSTITUTION DAY AUGUST 30

Dear TCO and Business Partner employees!

On behalf of TCO management and staff, congratulations on Kazakhstan Constitution Day!

On August 30, we commemorate the adoption of Kazakhstan's Constitution. The Constitution is a foundational document that sets forth the guiding principles of Government. It establishes rule-of-law and rights that protect the freedom of all citizens.

The Constitution helped create a stable political and economic environment in the country that continues to attract significant investment. TCO, our partners and all companies in Kazakhstan have benefited from the strong principles set forth in this document.

On this day, we wish all the people of Kazakhstan prosperity, good health, happiness and well-being in every family!

Eimear Bonner,
General Director

Murat Mukashev,
Deputy General Director



120th Anniversary of Kazakh Oil

"They made dreams come true"

On November 13, 2019 we will celebrate the 120th anniversary of the first oil discovery in Kazakhstan. In 1899, Well 7 in the Karashungul field first discovered oil at a depth of 40 meters. That event marked the beginning of the oil industry in Kazakhstan.

If hydrocarbon reserves had not been found in the Karashungul field, then exploration works and the discovery of oil fields in the Zhem Atyrau region would have been delayed. And we could have only imagined about the huge oil reserves discovered in Mangystau region. Who knows, if we hadn't discovered such giant fields like Karachaganak and Tengiz and Kashagan, we would not be the same country today.

Karashungul is a name of the area in which oil was first discovered in Kazakhstan and there is a reason for calling it this. "Kara" in Kazakh means "black" and "shungul" means "a deep place." Indeed, this area is located in deep sand zones. Karashungul was even considered a holy place. People spent nights outside there praying.

Oil production at Karashungul did not last for many years. Oil reserves declined very quickly. However, the story of "black gold" attracted international interests. Many other oilfields were discovered between Karashungul and Kashagan fields, including Dossor and Makat oilfields. Kazakh oil production and exports increased to the world.

In the late 1970's, the Tengiz field found its place in history and today it is a leading source of prosperity for the national economy. In connection with the discovery of Tengiz, we are offering our readers information about the pioneers of the Tengiz oilfield. People who became true legends and were awarded state prizes.

(Continued on Page 4-5)

RoK PRIME MINISTER VISITS TCO Focuses on increasing local content

During his working trip to Atyrau Oblast, the Prime Minister of the Republic of Kazakhstan, Askar Mamin, met with oil and gas companies, visited construction sites of new industrial facilities and held a meeting on the development of local content, oil and

gas machine-building, and compliance with labor legislation of the Republic of Kazakhstan.

The Head of the Government visited the Third-Generation Plant under construction at Tengiz field, which is being built as part of the Future Growth

Project by Tengizchevroil LLP.

General construction works are being carried out at the plant, subsurface utility engineering, installation of tanks, 23 Pre-Assembled Racks are installed. The

(Continued on Page 2)



Visit of RoK Prime Minister

(Continued from Page 1)

assembly of two gas turbine generators and the process module has been completed. At the construction site of the plant, 25 contracting and subcontracting organizations are involved, about 3,300 workers and specialists are employed. The project is scheduled for completion in 2022.

The Prime Minister also flew over the Kashagan field and D island, where oil production and its primary separation is carried out with further transportation via the pipeline to Bolashak plant.

As part of a trip to Atyrau Oblast, the Head of the Government of the Republic of Kazakhstan held a meeting on development of local content, oil and gas machine-building, and compliance with labor legislation of the Republic of Kazakhstan.

Askar Mamin noted that, despite the increased share of local content in the procure-

ment of large oil project operators, the products of Kazakhstan machine industry are still not widely used.

“This situation requires the adoption of effective measures, as well as by the project operators,” – noted the Prime Minister.

The Head of the Government said that a “Roadmap for development of machine industry for 2019–2024” had been adopted, which includes tax preferences, financial support and supply of raw materials for industry enterprises, as well as providing them with qualified personnel.

During the meeting, the Minister of Energy of the Republic of Kazakhstan Kanat Bozumbayev informed about the results of the analysis of 3 major projects of oil and gas industry on their Kazakhstani content.

“The Ministry has formed a working group for further development of oil and gas machine-building with participation of 3 operators (TCO, KPO, NCOC) and domestic manufacturers. Purchases of all subsoil users had been ana-



lyzed and a list of 26 types of goods was determined, machine industry development plan for 2019–2025 totaling to 58 billion tenge had been prepared,” said the Minister.

Analysis of the current situation shows that the main potential for development of local content is to increase its share in the procurement of goods.

“In 2018, 3 operators imported goods totaling to about 245 billion tenge, while the purchase of local goods accounted for only 19 billion tenge, or 7.3%. Since that at other projects local content level in goods amounts to 38%, and the above 3 companies

have up to half of all purchases of the republic’s oil sector, the Ministry of Energy believes that the main growth potential of Kazakhstani content indicators, including in machine industry products, is concentrated in these 3 projects,” said Kanat Bozumbayev.

The Ministry sees the localization of manufacturers of original equipment products as one of the reserves for partial import substitution. According to the ministry, total forecast for purchase of such products by 3 operators for ten-year period is about \$ 1.7 billion.

At the meeting, issues of compliance with labor leg-

islation of the Republic of Kazakhstan were discussed, namely, the introduction of vertical control by subsoil users at enterprises in relation to contractors and subcontractors to ensure safe working conditions, accommodation for employees and specialists, as well as a fair payment system. The Minister of Industry and Infrastructure Development of the Republic of Kazakhstan Roman Sklyar, General Director of Tengizchevroil LLP Eimear Bonner, General KPO Director Edwin Blom and others had made a speech.

During his working trip to the Oblast, the Prime Minister of the Republic of Kazakhstan visited advanced oil refinery complex “ANPZ”, “AtyrauNefteMash”, SER “National Industrial Petrochemical Technology Park”, “Polymer Production” company, Kazakhstan Petrochemical Industries Inc., Karabatan Utility Solutions, oil and gas processing plant “Bolashak”, an enterprise producing optical cable of various brands and others.

Serik Kabdolov,
resident
correspondent

Mid-Year General Director’s Town Hall

In late July, TCO General Director, Eimear Bonner, held mid-year employee town halls, where she updated the TCO workforce on year-to-date business performance.

The format of the latest town hall was different: it included live polling and interactive engagement with the audience. Eimear held four town halls in Atyrau and Tengiz, and employ-

ee participation rates were some of the strongest ever.

Eimear shared an update on business performance and achievements in the first half of the year. Overall, TCO’s operations performance has been strong, while safety performance has been mixed.

Base Business continues to deliver excellence. Production and reliability are above plan.

Drilling & Completion cycle time continues to improve.

FGP continues to make great progress.

TCO investments in Kazakhstani Content are ahead of the 2019 plan. The company has spent over \$2.2 billion in KC so far this year and is on track for a record year in KC spend.

These are just some of the highlights of TCO’s first half performance. The focus now is on safely and reliably delivering on our commitments in the second half of 2019.

With record levels of activity across the Base Business and

FGP, it will take a One TCO effort and everyone working together to safely deliver on our commitments and have a successful rest of the year.

“We must continue challenging ourselves and others to simplify our work, systematically eliminate unnecessary complexity and deliver the plan,” Eimear said. “I have confidence that we will achieve everything we have ahead of us in the second half of the year if we stick to our values, who we are at TCO, and in the way we do our work.”

Benjamin Priddy,
PGPA Advisor



NEW APPOINTMENT



On August 1, 2019 Kamshat Baizhanova was appointed to the role of General Manager, Human Resources, at TCO.

Kamshat previously worked at Kisorion LLP, NCPOC, and, most recently, held the role of National Administration Manager at NCOC. Kamshat graduated from Atyrau State University with a Bachelor Degree in Education and completed an MBA in HR Management at the Kazakh-British Technical University.

The selection decision was based on the overall combination of her HR knowledge and demonstrated experience.

Please join us in welcoming Kamshat to TCO.

PUBLIC HEARING

FGP-WPMP Public hearing

On July 24, 2019, public hearings were held to review the materials of environmental impact assessment (EIA) for the project “FGP-WPMP. Adjustment.”

The event was attended by the management and employees of Tengizchevroil LLP, representatives of Kazakhstan Agency of Applied Ecology LLC, representatives of local executive bodies, heads of public organizations and residents of Zhylyoy district.

The hearing was opened by Asel Aychikova, chief specialist of the Department of State Environmental Expertise and the issuance of permits from the Department of Natural Resources and Environmental Management of the Atyrau region.

Beket Karashin, Director of the Alshy Non-Governmental Foundation, was unanimously elected the Chairman of the public hearing. He briefly informed the participants about the work order and schedule and gave an opening speech to the Rzabek Artygaliev, General Manager of the Policy, Government, Public Affairs at TCO.

In his opening remarks, Rzabek Artygaliev noted that while implementing the FGP-WPMP project, the company retains increased attention to environmental safety issues. He also recalled that

from the very beginning of the project, TCO actively involved and met with the public in the Mangistau and Atyrau regions. Thus, starting from 2016, 48 public consultation meetings were held, which will be continued in the future in the same format.

“Being aware of the extent of social responsibility, TCO executes Social Investment programs, participates in environmental protection activities, contributes to the development of the economy of our country and expects the public to understand the scale and complexity of the tasks facing us,” Mr. Artygaliev summed up.

Following that, Nurtas Kenganov, manager of the FGP-WPMP Regulatory Affairs spoke on the matter.

In his report, he shared information on the results of TCO activities for the first quarter of 2019 and on the progress achieved in the implementation of the FGP-WPMP.

Nurtas Kenganov also noted the company’s great contribution to the development of the economy of the Republic of Kazakhstan, telling, in particular, about the company’s tax payments, oil production, and the active development of Kazakhstani content.

“Developing the capabilities of local companies is one of TCO’s main strategies. Thus, in 2018, we made the largest



contribution to Kazakhstani content in our history, having spent a record \$3.5 billion on Kazakhstani goods and services, including more than \$2.3 billion in the framework of FGP-WPMP,” he said.

Then Askyn Abdrakhmanov, Deputy project engineer of KPJV, gave a presentation on Adjustment of the FGP for the Tengiz field, noting that during the construction of the FGP-WPMP facilities there was a need for some changes and additions to the design of the facility, its space-planning, engineering design solutions in the 2017 project remained unchanged, he stressed.

Askar Almakhanov, chief specialist of Kazakhstan Agency of Applied Ecology LLC, finalized the series of presentations, making the Assessment

of the environmental impact of FGP-WPMP.

“During the implementation of the Project, most components of the natural environment will have medium or low impact. The exception will be the impact on the air (huge category of importance), which is typical for objects of this scale”, he said.

He also added that TCO has created and operates a system of industrial environmental control, which allows to monitor the impact of TCO facilities on air, soil, groundwater. In addition, 12 automated environmental monitoring stations are located on the territory and on the border of the TCO sanitary protection zone.

At the end of the public hearings, the participants gave

a positive assessment of the conducted event, as well as the company’s willingness to continue an active dialogue with all stakeholders.

Generally, no objections were received according to the EIA, the project “FGP-WPMP. Adjustment.”

As a result of the hearings, recommendations and proposals were formed, which will be considered by TCO.

In closing part of the hearings, the company’s representatives expressed their readiness to continue an active dialogue with all interested parties on issues of social responsibility and sustainable development

Kamshat Zhumagulova,
FGP-WPMP PGPA
Internal Communications
Advisor

SEMINAR

Constructive dialogue

Recently, the TCO Project Construction Group of Regulatory Affairs (RA) initiated a seminar with key stakeholders as part of a round table discussion in Tengiz and Atyrau. It was attended by representatives of project and construction teams of small and large capital projects of base business, special projects, early concept development group, as well as TCO’s Future Growth Project.

This seminar became an open platform for constructive dialogue between the regulatory affairs teams and project groups of Base Business and TCO Future Growth Project.

The seminar was aimed at improving the interaction between RAs and projects, ensuring appropriate regulatory support to project and construction teams during the implementation of projects and putting into operation of constructed facilities, sharing experience with representatives of FGP RAs. Also during the discussion, aspects were identified that needed to be improved by developing further action plans, some of which would require joint work with both representatives of FGP RAs and project team.

The seminar was opened by TCO HSE General Manager

Dan Wadelane. In his speech, he noted that the role of the RA team is very important for projects, due to the frequent amendments to the legislation of the Republic of Kazakhstan, as well as difficulties encountered while obtaining permits.

The seminar participants were familiarized with the current processes in providing support to base business projects and capital projects, during the implementation of design and construction works before commissioning of the construction project, as well as new amendments in the legislation of the Republic of Kazakhstan in terms of regulatory affairs.

In total, RA specialists presented about 10 reports on regulatory issues of new construction projects, technical re-equipment, modernization, reconstruction, overhaul, in accordance with the requirements of the regulatory legal acts of the Republic of Kazakhstan in the field of architecture and urban planning, civil defense, environmental protection, sanitary and epidemiological well-being of the population, ensuring safety and labor protection, as well as the experience of implementing digitalization.

In conclusion, TCO RA manager Amanzhol Zholumbayev presented key performance indicators of the team and plans for further improvement of RA’s work in terms of find-

ing ways to reduce the time for agreement and finding alternative ways to resolve issues, interaction between groups and joint resolution of issues. The topic of digitalization has also taken a special place, as one of the essential areas for development of our country.

During this meeting, representatives of the design and construction groups, as well as FGP RA team, could pick up the experience of their colleagues, adopt certain techniques of conducting processes and ways to simplify methods of work. As a result, it was decided to periodically hold similar thematic meetings with the participation of interested teams.

Indira Kaliyeva,
Group Supervisor



120th Anniversary
of Kazakh Oil

"They made dreams come true"

(Continued from Page 1)

Zholdaskali Dosmukhambetov (1916 – 1977) is an Honorary Oilman of the USSR, recipient of the Lenin Prize and the State Prize of the Republic of Kazakhstan for the discovery of the Tengiz oilfield.

Zholdaskali Dosmukhambetov was born on September 15, 1916 in Rakusha village of Atyrau (Guriyev) Oblast and passed away on December 20, 1977.

Dosmukhambetov is a geologist whose name is written in golden letters in the history of Kazakhstan. In 1979, when he discovered the Tengiz oil field, Dosmukhambetov noted one point and said, "The first well will be here, this place will be called Tengiz, let this well give us the sea of oil in the future." As a result of his work, the Tengiz field is known around the world.

Education:

He graduated Moscow Petroleum Institute (1940), Moscow Oil Industry Academy of USSR (1953).

Work experience:

- 1940-1947 – Chief geologist, deputy director, since 1943 director of the Baichunas oil field

- 1947-1950 – Manager of Kazneftrazvedka

- 1950-1951 – Chief geologist of the Makat oil field

- 1953-1954 – Director of the Makat oil field

- 1954-1971 – Chief geologist, since 1957 the head of the Kazakhneft Association (since 1965 Embaneft),

- 1971-1977 – Chief geologist at Embaneft.

Awards and Titles:

- Honored Oilman of USSR. Honored Oilman of KazSSR (1966).

- Laureate of Lenin Prize

for discovering Uzen-Zhetysai Oil and Gas fields (1966), RoK State Award for discovering Tengiz oilfield (1995 posthumously).

- Awarded with Order of Lenin, October Revolution, two Orders of Red Banner of Labor, order of Badge of Honor, other multiple awards.

- Member of Supreme Council of Kazakh SSR of the 4th (1959-1963) and the 5th (1963-1966) elections;

- Member of Oblast and City Councils of People's Deputies;

- Honored resident of Atyrau Oblast;

- His named is given to an oilfield in Atyrau Oblast, a street and Oblast School for talented pupils in Atyrau.

They brought up 7 kids with his spouse Dosmukhambetova Nurzila Rakhmetzhanovna (1928 – 2007):

Akzhonas, Karlygash, Koblan, Shara, Bayan, Issatai, Makhambet.

Thanks to a group of Emba geologists and explorers, including Zholdaskali Dosmukhambetov, the oil and gas industry of RoK has been a locomotive of economy of Kazakhstan for over half century and it is widely represented by well-known international companies.

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Bulekbai Sagingaliyev (1927-2009). Honored Oilman of the Kazakh SSR, the laureate of the State Prize of the Republic of Kazakhstan for the opening of the Tengiz oilfield, Honored Oilman of the USSR.

Bulekbai Sagingaliyev was born on May 5, 1927 in Dossor village of Makat region of Atyrau oblast and passed away on January 11, 2009. Sagingaliyev is a unique person who



left his mark on the history of the Kazakh oil industry. Many call him the Marshal of Kazakh oil.

In the 1970s, the specialists formed the opinion that the "Emba had exhausted its reserves and it needs to be closed." The true oilman Sagingaliyev did not like this statement. He went to Moscow and met with Chairman of the Council of Ministers of the USSR A.N. Kosygin and based on both his theoretical and practical knowledge, proved one-sidedness of the opinion on the depletion of Emba reserves. He managed to inspire confidence in the presence of large deposits under the salt layer of Emba. Thus, due to the persistence of Bulekbai Sagingaliyev, the Tengiz field was discovered.

Education:

In 1946, he entered the Gubkin Moscow Institute of Oil and graduated in 1951.

Work experience:

- 1951-1971 – He started his career as an assistant to an oil production master. He worked as a chief engineer, head of Production Departments in a number of oil production companies. He worked as deputy head of the Kazakhstanmunai association, head of the Oil and Gas Production Department of the industry management of the Kazakh Council of National Economy, deputy head of the heavy industry department of the Central Committee of the Communist Party of Kazakhstan.

- 1971-1986 - General Director of Embaneft.

- 1986-1989 - Head of the Oil and Gas Department of the General Plan of the Kazakh SSR.

- 1989-1995 - General Director of the Kazneftebitum Scientific Production Association.

- Since 1995 he worked as the President of the Munai Scientific Production Center.

- In 2000 he retired.

Awards and Titles:

- Awarded the Order of the October Revolution

- Three Labor Red Banner Orders

- Several medals and the Certificate of Honor of the Supreme Council of the Kazakh SSR

- By the decision of the Government of the Republic of Kazakhstan, the State Prize of the Republic of Kazakhstan for the discovery of the Tengiz field (1995)

- 1952-1960 member of the committee of the Makat district party, Guryev city

- 1946-1986 member of the Guriyev Oblast committee

- 1981-1986 member of the Central Committee of the Party of Kazakhstan, delegate of the XXIII, XXIV, XXV, XXVI Congresses of the Communist Party of Kazakhstan

- On the building of the Embamunaigas production association, was installed a memorial plaque in honor of Bulekbai Sagingaliyev that he headed for 15 years.

Sagingaliyev's spouse Khadisha Kharieva, being a teacher of the Kazakh language and literature, was both an assistant and a reliable support at home. Sagingaliyev together

with his wife brought up resilient children.

* * *

Bolat Elemanov (1950) – Oilman, honorary explorationist of RoK, Laureate of the RoK State Prize for the discovery of the Tengiz field (1995), owner of the Kurmet Order. Doctor of Technical Sciences (2003).

Born on November 29, 1950 in the Karasu village of Kostanay oblast.

Education:

- In 1973 he graduated from the Kazakh Polytechnic Institute named after V. Lenin as a mining engineer.

- In 1998 he graduated from the Kazakh State Academy of Public Administration as an economist.

Career and scientific works:

- 1973-1976 - engineer, senior engineer, engineer-technologist at the Embaneft research laboratory;

- 1976-1979 - shift supervisor, senior technologist of the Zhayikneftegaz management;

- 1979-1985 - Deputy Head of Production Department of Kulsaryneftegaz Production Association.

- 1985- 1988 - Head of the Tengizneft Production Association;

- 1988-1991 - First Secretary of the Emba Committee of the Communist Party of Kazakhstan;

- 1991-1994 - President of the Kazakhneftegaz Corporation;

- 1994-1995 - First Deputy Minister of Oil and Gas Industry of the Republic of

Kazakhstan;

- 1995-1997 - Chairman of the Committee on the Use of Foreign Capital under the Cabinet of Ministers of the Republic of Kazakhstan;
- 1997-1998 - Director of the Department of Oil and Gas of the Ministry of Economy, Industry and Trade of the Republic of Kazakhstan;
- 1998-2001 - Director of the State Committee for Investments of the Republic of Kazakhstan;
- 2001-2002 - First Deputy Minister of Energy and Mineral Resources of the Republic of Kazakhstan;
- 2002-2005 - Chairman of the Management of Azimut Energy Services JSC;
- Since 2005 - Chairman of the Board of Directors of Azimut Energy Services JSC.

Without interrupting from his job, Bolat Elemanov was engaged in scientific research on a well-known oil theme. In 2003 he defended his doctoral dissertation on the topic: "Problems of the development of oil deposits, complicated by corrosion and salt paraffin deposits" and received a doctorate in technical sciences.

Awards and Titles:

- Kurmet Order;
- Laureate of the RoK State Prize for the discovery of the Tengiz field (1995);
- Honorary explorationist of RoK.

Together with his spouse Dina Nazarovna brought up their children.

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Asabai Khismetov (1928-1987) - oilman, Outstanding worker of KazSSR Oil Industry, laureate of the State Prize of the RoK for the discovery of the Tengiz field (1995).

Born in 1928 in Kaiyrshakty village of Atyrau oblast (former Guryev oblast).

Education:

In 1951 he graduated from Gubkin Moscow Institute of Oil.

Career:

- 1951-57 - Senior engineer of the Exploration Department, head of the Production and Technical Department of the Drilling plant in Kulsary;
- 1957-62 - Chief Engineer of the Kulsary Drilling plant of Kazakhstaneft Association;
- 1962-67 - Chief Engineer, head of the Oil Exploration Expedition of the Zhetybai Mangistauneftegazrazvedka trust;
- 1967-72 - Head of Karakiya Oil Exploration Trust;
- 1972-74 - Deputy Head

of Drilling of the Embanefit Association;

- 1974-86 - Head of the Balykshinsky Department of Exploratory Drilling;
 - 1986-87 - Deputy Chairman of the Caspian Exploratory Drilling Department.
- Awards and Titles:
- Order of the Red Banner of Labor and many other medals;
 - Certificate of Honor of the Supreme Council of the Republic of Kazakhstan;
 - Outstanding worker of KazSSR Oil Industry;
 - laureate of the State Prize of the RoK for the discovery of the Tengiz field (1995);
 - Discoverer of Zhetybai, Uzen, Tenge and Tengiz oilfields;
 - Honorary citizen of Atyrau oblast;

In 2008, in Atyrau city, a memorial plaque was installed in the house where A. Khismetov lived;

• Asabai Khismetov's name was given to one of Atyrau city streets;

Together with his wife Feruza, Khismetov led an exemplary family. Asabai and Feruza's children are following in the footsteps of their father.

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Kumar Balzhanov (1928-2017) is the Honorary Oilman of the USSR, Honorary Oilman of the Kazakh SSR, recipient of the State Prize of the Republic of Kazakhstan for the discovery of Tengiz oilfield.

Balzhanov was born on December 30, 1928 at the Dossor oilfield, Makat region of Atyrau (former Guryev) oblast in the family of oilman Kairbai, who participated in the commissioning of Narmondanek and Zholdybai oil fields.

Education:

In 1957 he graduated from Moscow Gubkin Institute of Oil, Mining Engineer.

Career:

- 1957-1961 - oil production operator at Dossor, well production maintenance master, head of Production Technology Department, senior well workover engineer at Makat oilfield;
- 1961-1966 - Chief Engineer at Sagiz, Dossor crude processing facilities;
- 1966-1972 - Head of Prorvanefit OGPU;
- 1972-1983 - Chief Engineer of Embanefit;
- 1983-1994 - Head of Zhainefit OGPU;
- Since 1994 - Pensioner.

Since 2004 he was a member of the Board of Trustees of Munaishy Public Association.

Awards and Titles:

- Medal "For Valiant Labor in the Great Patriotic War of 1941-1945";
- Labor Red Banner Order;
- The Order of Friendship of Peoples;
- Honorary oilman of KazSSR and Honored Oil Worker of Kazakhstan;
- Two Orders of Kurmet;
- One of the Tengiz pioneers, a laureate of the State Prize by the Decision of the Government of the Republic of Kazakhstan.

Together with his spouse Izilya, a graduate of the Gubkin Moscow Oil Institute, created an exemplary family. Four sons - Askar, Rustam, Mukhit, Mukhtar and daughter Raykhan continue the oil workers dynasty and work for the future of independent Kazakhstan.

* * *

Valentin Avrov (1938-2013) – Geologist, candidate of geological and mineralogical sciences. Honored geologist of the Kazakh SSR, Honorary Oilman of the USSR, Academician of the International Academy of Ecology and Life Safety.

He was born in 1938 on November 23 in Guryev city (now Atyrau).

His career is closely linked to oil and gas exploration in the Caspian region. He repeatedly was a member of the special commission of the Ministry of Oil Industry of the USSR, the USSR Planning Committee, the USSR People's Control Committee as a highly-qualified specialist.

Education:

In 1961 he graduated from Moscow Gubkin Institute of Oil.

Career:

- 1961-1963 - Technician-geologist in the oil and gas exploration expedition Priskaspiysk, geologist of drilling department of the Soyuzburb trust;
- 1963-1967 - Post-graduate student of the Institute of Geology and Development of Combustible Minerals, Junior Researcher;
- 1967-1972 - Long-term business trip in Algeria;
- 1972-2005 - Head of the Laboratory of the Institute of Geology and Development of Combustible Minerals of the Academy of Sciences and the Ministry of Fuel and Energy of the Russian Federation.

Awards and Titles:

- Honored geologist of the Kazakh SSR;
- Honorary Oilman of the USSR;
- Laureate of the State Prize of the Republic of Kazakhstan for the discovery of the Tengiz field (1995).

Valentin Avrov from childhood participated in field expeditions together with his parents and received a lot of experience. His father, Petr Avrov, began his career with the Guryev technical school of oil and continued it in the Aktyubinsk oil and gas exploration expedition.

In 1956, at the invitation of Corresponding Member of the Academy of Sciences of the Kazakh SSR, Academician Kanysh Satpayev, he worked as the head of the sector to the Institute of Oil Geology of the Academy of Sciences of the Kazakh SSR. His mother Lyudmila Kosmacheva also worked in this sector where she was engaged in analysis of the drill-hole cores.

Makash Balgymbayev

Balgymbayev Makash (1931- 2005.) - Honored geologist of the Kazakh SSR. Laureate of the State Prize of the Republic of Kazakhstan for the discovery of the Tengiz field (1995), candidate of geological and mineralogical sciences.

M. Balgymbayev was born on October 10, 1931 in the Tendik collective farm of the former Guryev (now Atyrau) oblast in the family of Balgymbay fisherman.

Education:

In 1950, M. Balgymbayev graduated from the Guryev Technical School of Oil, later in 1955 he graduated with honors from the Gubkin Moscow Institute of Oil.

Career and Scientific

Works:

- 1955-1962 - senior collector, senior geologist in Zhantai, Opornaya-2 oil expeditions, the chief geologist in the Komsomolsk, Koschagil fields;
- 1962-1965 - secretary of the Emba district committee of the party;
- 1965-1972 - chief geologist of the Biikzhal expedition, which had all-Union significance;
- 1972-1978 - chief geologist of the Balykshy Department of Exploration and Drilling;
- 1978-1993 - chief geologist of the Embanefit production association.

One of the authors of the "Tectonic scheme of the Caspian Basin."

Author of the cognitive and at the same time scientific works "Rich in oil Emba" and "Tengiz phenomenon".

Awards and titles:

- Honored oilman of KazSSR;
- Honored geologist of the Kazakh SSR;
- The Order of the Badge of Honor of the USSR;
- The Kurmet Order of the Republic of Kazakhstan;
- Discoverer of East Makat, Botakan, Central and Eastern Prorva, Rovnoe oilfields;
- Laureate of the State Prize of the Republic of Kazakhstan for the discovery of the Tengiz field (1995);
- Honorary citizen of Zhylyoi district;
- One of the lecture rooms of the Atyrau oil and gas institute was named after Makash Balgymbayev.

* * *

Oryngazy Eskazyev (born in 1934) - Geologist-geologist, Laureate of the State Prize of the Republic of Kazakhstan for the discovery of the Tengiz field (1995).

He was born in 1934 in the Atyrau oblast.

Education:

In 1957 he graduated from the Faculty of Geology of the Kazakh State University named after SM. Kirov.

Career:

- 1957-1961 - oil production operator for reservoir pressure maintenance, well researcher and a geologist for the Koshkar operation field - one of the oldest Emba deposits, belonging to Embanefit Association;
 - 1961-1963 - Senior geologist of the Komsomolsk oil field;
 - 1963-1976 - Deputy chief geologist, chief geologist Prorvanefit oil-and-gas production department;
 - 1976-1997 - Head of the Geology Department of Embanefit Association;
 - Since 1997 retired.
- Awards and titles:
- Discoverer of Central and East Prorva, Rovnoe, Central East oil fields;
 - He is the Laureate of the State Prize of the Republic of Kazakhstan (1995) for the discovery of the Tengiz field.
- Together with his wife, the well-known teacher Akzyia, they brought up the talented son Kurmangazy. He continued his father's way and became a geologist. Laureate of the Al-Farabi State Prize of the Republic of Kazakhstan in the field of science and technology.

FGP-WPMP NEWS

Destacking Operations in Korea

Typically, fabrication activities conclude at mechanical completion. But on FGP-WPMP, the work does not stop there. Due to shipping envelope restrictions within the Russian Inland Waterway System (RIWS), used to transport the modules into the Caspian Sea on the way to Tengiz, all modules greater than one pre-assembled unit (PAU) level in height require an additional step known as “destacking”.

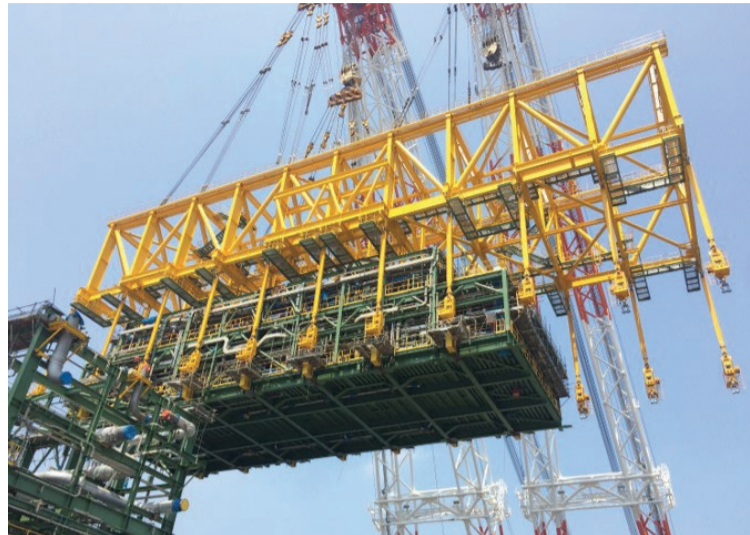
First, modules are fabricated in their entirety to their full height to ensure all components are correctly positioned, aligned and connected. After the modules are mechanically complete and pre-commissioned, they are moved from the erection area in the yard by self-propelled transporters (SPMT) to the quayside for de-stacking operations. At the quayside a module is disassembled into PAUs utilizing a floating crane in conjunction with a specially designed, purpose-built lifting frame. This is considered an industry

first - while many projects have required removal of materials for shipping purposes, none have required an entirely mechanically completed module to be destacked.

Following destacking, and final preservation and protection activities, the PAUs are loaded onto pre-assigned vessels to begin their 12,500-km journey to Tengiz.

Before the de-stacking activities began, in May 2018 the team conducted a full trial lift system test of the destacking lifting arrangement utilizing the floating crane the purpose-built lifting frame and the bespoke hydraulically controlled sling arrangement which allows fine tuning of load distribution across all lift points. The trial lift applied loads of up to 1885 tonnes and confirmed the successful performance of the lift system.

After the successful completion of the test, the first destack was performed by the Fabrication Team on June 8th, 2018. Now, as of mid-April



2019, 25 destacks in total have been performed in the Korea fabrication yards (20 in the Okpo yard and 5 in the Shinhan yard). And incredibly, there are 90 more destacks to be completed for Sealifts 2 and 3.

The heaviest destack in Shinhan was successfully completed on the 29th of March 2019 with a lift of a 1,166 tonne PAU (M109.B). The heaviest destack in Okpo will be performed in January 2020 when an 1,800 tonne PAU (M075.B) will be lifted using a 780 tonne lift frame, making the entirety of the lift an impressive 2,580 tonnes.

Destacking fun facts:

- The team performed a system test in May 2018 to confirm the performance of the lift system. The loads were up to 1,885 tonnes;
- Hydraulic jacks are used to adjust the lower rigging to fine tune loading in each sling and help minimize relative deflection of the structures when lifted;
- Tension load cells measure forces in the rigging to help with pre-loading of the rigging and control of the lift;
- Heaviest lift in Okpo (PAU M075.B): 1,800 tonnes+ 780 tonnes lift frame = 2,580 tonnes;
- Heaviest lift in Shinhan

(PAU M109.B): 1,166 tonnes + 436 tonnes lift frame = 1,600 tonnes;

- Biggest crane in Okpo: 3,600 tonne floating crane;
- Biggest crane in Shinhan: 1,350 tonne crawler crane;
- The Shinhan team uses three independently operated cranes for their lifts. The operators rely on an inclinometer to synchronize the lift and ensure there is no tilting. This delicate operation takes 2 days for the Shinhan team to complete;
- In contrast, the Okpo team uses one crane, one operator and a synchronized system. This makes the length of a destack operation in Okpo an impressive four hours, so the destack is usually completed in a morning;
- PAUs do not have the requisite stiffness for the lifts, so the Fabrication team designed and built a custom-made lifting frame. The lifting frame has 10 times the stiffness of the PAUs. The lower rigging is of steel beams which increases its stiffness to double that over wire rope slings. This stiffness is required to prevent damage to the PAUs during lifting. All are 3-point lifts to eliminate torsion in the PAUs.

FGP Signs MoU to Advance Training Opportunities

TCO FGP's Deputy Project Director, Mr Aidar Dosbayev, recently visited the USA, including a visit to the headquarters of the National Council for Construction, Education and Research (NCCER), along with representatives from Atyrau Petroleum Education College (APEC). NCCER is a key body in the US that recognizes excellence in training establishments, and provides a framework that can be used to deliver training and assessments to improve the skills of individuals. TCO FGP has been working alongside APEC for some time to support them to improve their practices and this was recognized during the visit to NCCER HQ.

Mr Dosbayev met with senior NCCER representatives and, together with Mariyash Aibassova (APEC Training Center's Director), they signed a Memorandum of Understanding. This will allow all parties to continue working together

– the FGP training team will work alongside APEC to drive improvement. In this way, it is intended that APEC will achieve formal NCCER accreditation and will be the only center in Kazakhstan to do so. As they drive towards this key status, TCO FGP will support APEC and will continue to use their facilities to train and assess craft workers for the project. APEC have a large campus located in Atyrau with facilities to deliver craft training in a range of disciplines which are crucial to the project and a number of different contractors are currently using their facilities to teach and assess their individuals.

The signing of the MoU is a key step in helping APEC improve and Mr Dosbayev commented: “This is real step forward for APEC and TCO. By signing this MoU today, we commit to working alongside NCCER to help APEC become an internationally accredited



training centre. It will take hard work to achieve this, but we believe it is possible”

After meeting NCCER, the party travelled to Fluor's Gulf Coast Training Centre in Houston, Texas. This is a purpose built centre that Fluor use to train and assess their individuals, giving them the skills they need to support complex construction projects. Mr Dosbayev and Ms Aibassova witnessed training taking place and met the team of instructors. Ms Aibassova commented that

it was very impressive to see the facilities that are in place here and that she was inspired to replicate these at APEC. She added that APEC have a great team and great support from TCO and that everyone there was excited about what is possible.

After returning to Atyrau, Ms Aibassova stated how she was keen to learn from the visit and work with the FGP training team to drive continuous improvement at APEC and work towards that key milestone of

NCCER accreditation. Mr Dosbayev further added: “We are extremely committed to helping APEC improve and to achieve accreditation as a world class training provider. Such recognition would be key for TCO, Atyrau and for Kazakhstan and would under-line our collective commitment to building a genuine legacy for the people of Kazakhstan.”

Matt O'Toole
Head of Craft Training
FGP Integrated
Training Team

FGP-WPMP NEWS

"Arys, we are with you" Volunteer Initiative

A series of powerful blasts rocked the town of Arys, as ammunition in storage at a military base exploded in

Turkestan Oblast on June 24, 2019. Over 40,000 residents were promptly evacuated due to the emergency. A humanitar-

ian campaign was immediately launched throughout Kazakhstan to help the blast victims in Arys. TCO personnel did not sit on the sidelines and also responded to the initiative launched jointly with "Yntymak Atyrau" NGO. For two consecutive days, 27-28 June 2019, TCO employees and

their family members donated essential items such as personal hygiene items, children's clothes and bedding (weighing in at a total of 600 kg), baby food, construction tools and lots of other items. All the donations were handed over to Nur Otan Party's regional branch in Atyrau and

shipped thereafter to Turkistan Oblast on Saturday, 29 June 2019.

We wish to thank all TCO personnel and their families who have willingly contributed towards this noble cause and did their share to help Kazakhstanian citizens in distress.

KMA Cadets: Aboard the Ocean-Going Vessel Xiang He Kou (XHK)

Nurbolat Tileubay, KMA Cadet. – My name is Nurbolat. I was born in southern Kazakhstan in 1998. My childhood was spent in one of the biggest cities of Kazakhstan, Almaty. I graduated from one of the best schools in the country called the Republican Physics and Mathematics School. There, I started thinking about my future and I realized that I want to travel all over the world learning and studying all the time.

During my school years, I heard about Kazakhstan Maritime Academy, which was opened by the Kazakh-British Technical University (KBTU). After graduation, I decided to study in the Academy as it would help me achieve my dreams and it did. It is great to be part of this industry. During my first year at the Academy, we had a great voyage aboard a sailing vessel. Moreover, after 2 years of my study I had a chance to go aboard an international voyage ship for training in COSCO Shipping. On the 11th of March me and my classmate Abu joined the vessel Xiang He Kou in the port of Zhoushan (China) which was preparing the deck for cargo loading. My first impression was "What a big ship!" and the special type of vessel.

When we met the Captain, he told us that our main responsibilities onboard are safety and learning. Also, during the voyage, we assisted Deck officers in safe watch keeping, gaining knowledge and experience at the same time.

From the first day onboard, all crew members were very friendly and were always ready to help. I felt that I am a part of the team. I was impressed by the genuinely warm and friendly attitude from the crew members and their willingness to teach us. Everything onboard was interesting to me, especially the Chinese crew, their culture and cuisine.

The most exciting part of the training was our next



voyage from Okpo to Hamina. It is great to travel across the world, especially Malacca strait (one of the busiest straits in the world) and the Suez Canal. The most challenging part was learning the newest equipment of the ship, its type and construction. When we moored at Okpo I really enjoyed mooring and cargo operations.

I am focused on my training and learning process onboard of XHK. Every time I try to increase my knowledge and develop new skills. I am trying to do my best. I hope that in the nearest future, after my graduation from KMA, I will be able to continue our co-operation with COSCO Shipping, TCO and Chevron and their next projects. I know that maritime industry is not famous in my country. I want to prove that Kazakhstanian can also succeed in this field and I hope that we will be able to pass this knowledge to our next generation together with my classmates.

Ship Master's comment:

They joined XHK two months ago. It is a short period of time, but the crew treats them as members of the family. The crew is not only sharing knowledge with them, but also helps them to understand all phases of the job, to learn how to cultivate good relationships with others and to recognize the importance of teamwork.

most fascinating thing about studying in KMA is that you deeply explore all the aspects of maritime industry in Kazakhstan. KMA's teachers try to classify and organize rich maritime world, provide the information about the latest maritime developments and find new ways of presenting the information.

My favorite thing about studying sea life was when I realized that seamen are the citizens of Earth. They should know everything: how winds/waves/climate changes, what is the celestial navigation, how to manage the teamwork and even how does the main engine work. Seafarers meet people from different countries/



Abulkhair Temirkhanov, KMA Cadet. – My name is Abulkhair. This name was given to me by my Dad, and in Arabic it means "kind father." I'm 20 years old. I studied in two schools, but the last one where I spent 7 years was fundamental in my development. It was Gymnasium #6, where all teachers were proud of being the part of the gymnasium's history. I was an ordinary student with unusual dreams.

After school, I was looking for a job which would be beyond the office environment. I found Kazakhstan Maritime Academy accidentally, but the idea of becoming a seaman inspired me immediately, and there was no way back. The

nations/religions all around the globe and they should be aware of cultural differences and know how to deal with them.

I joined «Xiang He Kou» on March 11, 2019, and we are already 51 day onboard of the vessel. Our main duty is to assist officers on watch, sometimes it is a deck work with Boatswain and now we have several watches in the Engine Room. However, in my opinion, our main responsibility is to learn and experience a real seafarer's life, preparing ourselves for future job.

My first reaction when I saw the ship was: "This ship is so gigantic!" My previous vessel was oil tanker with the length of 153 meters, and

«Xiang He Kou» is two times bigger than my last ship. The overall impression of being onboard of this beauty was the pleasant feeling from the warm welcome of the Chinese crew.

Each cadet got a separate room with everything inside, and the officers told us that we are «special» people on this vessel. Being welcomed motivates us to work harder and constantly achieve our study goals. All crew members, especially Deck Department (because we are deck cadet and spend most time with them), treat us with respect and even cultural and language barriers are not the issues anymore.

The most exciting part of the journey is sharing our culture with the crew. Every day I find something interesting in Chinese culture/history/way of living, and the crew also learns about Kazakhstan and our nomad life. We even had a chance to talk with Nepalese armed guards, Korean/Egyptian pilots, and it was fascinating! Moreover, the experience of crossing the Indian Ocean and the Chinese Sea, watching the sunset and the sunrise, looking at dolphins in blue waters and star constellation in the dark sky bring the real joy to my life.

The biggest challenge onboard of the vessel was to adapt to cultural differences. We learnt some basic Chinese words, and now I really like Chinese food. The life of a seaman consists of series of moments when you should get used to some cultural differences and take something for yourself.

I hope that time, which I will spend on board of the «Xiang He Kou», will greatly influence my future career as a Deck Officer. I want to continue exploring rich maritime world in a role of the Third Officer and build my career in the future. I wish there is an opportunity to work for big companies such as COSCO Shipping and Chevron.

DIGITALIZATION

Digitalization with Real-Time Data

Digitalization is leading innovation in all aspects of society at an extraordinary pace. TCO's IT vision is to be the best in the oil and gas industry at applying digital technology. According to experts, the application of digital technologies in the oil and gas sector may bring benefits of up to \$1 trillion. By embracing a digitalized future, our data works harder for us. This will bring increased value as it drives improved decision making, identifies operational improvements and enables new technologies to be integrated for increased efficiencies.

The Real Time Data Foundation (RTDF) Program is a key enabler for TCO's ongoing Digitalization strategy. The RTDF program is improving the availability and use of real-time data at TCO. To achieve this, we have been improving our governance, infrastructure, user interfaces and technological integrations. Another important part of the program is to prepare for the delivery of the Future Growth Project (FGP). This will ensure we are ready for the additional data points which will increase from 425k to 1.2M and deliver 5,000 new real time visualization screens.

What is INDX?

Whilst the RTDF program was established by TCO IT to act as an umbrella over real-time data projects, the biggest project in this space is the INDX Improvement project.

INDX focuses on how real time data is visualized for immediate and accurate analysis of operations. This enables a quick and pro-active decision-making process. TCO has the largest implementation of INDX in the world with approximately 7,000 visualized screens and more than 415K data points.

Benefits of the RTDF Program:

1. Upgrade IT back-end systems. The RTDF Program is improving and upgrading its back-end infrastructure to maintain a highly available, secure and stable platform. A success story was highlighted recently in Q2 2019 when TCO Data Center had a power outage.

How does TCO benefit? Previously, if there was a system error, INDX users had to manually switch to a secondary server using a different link. They would lose saved data, calculations and favorites which led to a disruptive work

environment. However, with the new automated failover solution introduced to the new Field Screens, INDX users no longer experience any of these issues or disruptions. This solution is planned to be rolled out across the entire INDX platform in Q3, 2019 and continue to increase value to TCO.

2. Improvements for front-end IT systems. The INDX Improvement Project released more than 1,200 new INDX Field screens. The new solution provides users with faster performance, new data insights, reliable data, new dashboards along with new features and functionalities.

How does TCO benefit? One of the major new improvements is the Field Dashboard. It is a 24/7 view of field operations using visualized data, trends and alerts. This dashboard identifies pain points for pro-active attention and decision making to improve productivity and field efficiencies.

3. New business insights. TCO required a new way to monitor and track water usage in Tengiz. Due to increased activities and operational demand, water was becoming a scarce resource.

How does TCO benefit? The RTDF Program built the water dashboard which is a visualized display that monitors and tracks water usage in Tengiz in real-time. New insights were discovered about water supply, consumption and disposal networks. This means TCO operations can continue with reduced risk of impacts from water scarcity.

4. Machine Reliability Improvements. Improved reliability and integrity of critical rotating equipment is key for continued operations at TCO. Using data trends from machinery and operations enables us to track and monitor machine integrity and pro-actively prevent operational impacts from decommissioned equipment.

How does TCO benefit? INDX makes it possible to monitor equipment reliability in real-time and get insights into potential failures immediately. Moreover, quick alarm notifications highlight deviations from normal trends so we can immediately and pro-actively investigate and remediate potential problems. This means we can fix issues before they become an operational impact which creates a safer work environment and drives efficiencies.

What's coming next?

- First integration with FGP

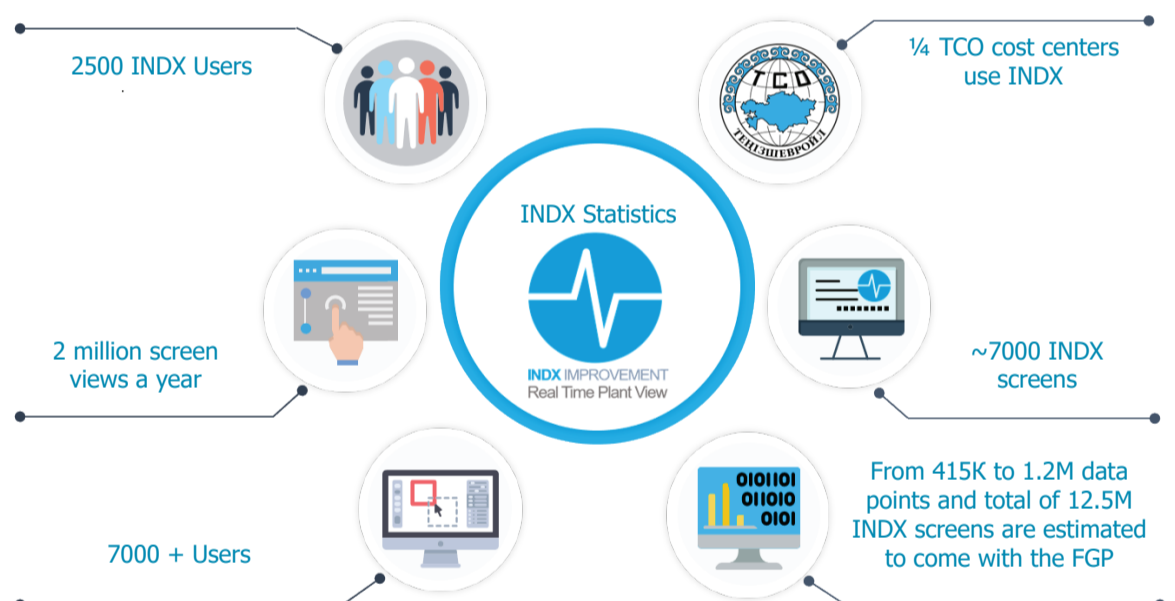
RTDF Lifecycle



Data sensors that gather and monitor TCO operations

Data organized and managed

Accessible real-time data that helps with informed decision making to improve TCO operations via big data analytics



is planned for Q3 2019 and will be related to High Pressure (HP) Early Oil deliverables.

• We've started work with FGP and Base Business Power teams to build new INDX screens for the Core Substation, which is TCO's main interface to the electricity National Grid. This will allow better visibility

during the cutover to the Core Substation later this year.

• Continuous upgrades of INDX interrelated systems to ensure the solution remains up-to-date and secure for the future.

After completing the first major INDX Field Solution deployment, RTDF program organized an intense lookback

which included RTDF, GPA (Geoscience and Production Applications Team) and Automation team members. We've identified the key areas of success and improvements to set ourselves up for.

Raushangul Koishiyeva,
Sanchee Barnes,
Change Manager

DIGITALIZATION

FGP Training Portal

The Integrated Training Team has been working since last year to digitize the processes used to coordinate the efforts of training providers and contractors in the training and development of FGP WPMP personnel. They finally chose to set up an interactive web portal, which was launched this year. Please visit ctportal.kz to see what it is all about.

In developing this website, we followed several principles that supported successful delivery: equal and timely access to information about competency development training courses for contractors, visibility of information and reporting of ongoing and completed training, a convenient and intuitive interface that would enable quick and efficient process automation, and data security and exclusion of human error in data handling and report generation.

This is how the web portal is structured:

1. A TCO Supra Admin will authorize other users, assigning them the role of either training provider or subcontractor.

2. Training providers will then post their training courses at the web portal, including all required information, ranging from discipline and the field of expertise to seating capacity.

3. TCO contractors will use a Training Catalogue to select a suitable training provider, a training course and the time of training, and proceed to post an application at the web portal.

4. Training occurs offline, yet the web portal will track and log all the results of visits and trainee performance data.

5. All portal users can view and assess performance data online, which supports timely decision-making.

6. During the training process, each trainee is provided with a personal card reflecting completed training and showing the competency level of each



individual at different stages of the project.

7. The web portal is flexible in integrating with Company's other processes. For example, it serves as the platform for a module designed to generate Kazakhstani Content reports. Any data resulting from the training process will automatically go into KC reports – an arrangement that prevents errors in data entering and duplication and reduces the amount of routine work.

The portal has enabled our team to focus more on analytics rather than information gathering and hand-on field coordination of training providers' and contractors' efforts. Analytics support timely identification of contractor training schedule delays that may set back workforce mobilization.

This new tool has allowed centralization and efficient coordination of all training arrangements and become absolutely

essential for training providers, contractors and the TCO team alike.

The mission of the Project team is to enable web portal users to continuously improve their training processes, since any investment in the development of contractors' human capital creates a significant legacy and enormously contributes to the country's prosperity.

**FGP-WPMP
Training Department**

ECOLOGY

Keeping the Environment Clean

Eco Mangystau NGO is the only entity in Mangystau Oblast running full-scale activities in the sphere of environmental protection. The entity not only delivers training and awareness-raising activities, but also undertakes hands-on conservation events involving the community. The entity established the volunteer centre and the public environmental inspectorate, which is the only one in the region.

Mangystau Oblast positions itself as a region attractive to tourists. Brochures are available, international conferences and exhibitions are held, dozens of tours are provided. However, there is yet no environmental health management system established in the important recreation areas of Mangystau Oblast, which are part of tours and strongly recommended for visiting. At the end of the spring-summer season the tourist sites experience a severe human impact. The areas are polluted by household wastes.

For over 8 years, Eco Mangystau NGO has been making efforts to maintain a healthy environment in the recreation areas like Saura, Samal, Tamshaly, Golubaya (Blue) Bay, Akmysh Say, 43 km, Zhygylgan, Sherka-

la. They implement cleaning of these areas through the mobilization of volunteer efforts. However, with no effective solid domestic wastes (SDW) collection system established there, regular visits by tourists lead to re-pollution of these areas.

Restoration of Recreational Potential of Tourist Locations in Mangystau Oblast, a project pursued by Eco Mangystau NGO and sponsored by TCO as part of Social Investments Program in Mangystau Oblast, significantly contributes to turning the situation with recreation areas involving community, youth and school children.

The activities pursued as part of the project include:

- 1) Arrangements of major cleaning of some recreation areas with volunteer support;
- 2) Placing information boards with rules of behaviour, tourist information and penalties for environmental law breach posted thereon;
- 3) Installation of good-sized containers for various types of wastes: plastic, glass-ware, cans and others.

Segregated waste collection is now becoming a relevant and vital element of SDW system management. As of January 2019, the landfills are no longer



available for receiving some types of waste. A well-established waste collection system in recreation areas shall facilitate environmental health and restoration of tourism wealth and appeal of these locations. In 2017-2018, Eco Mangystau NGO partnered with small businesses engaged in recycling certain types of waste. Such cooperation will help address the future waste collection and removal from recreation areas. Small businesses tentatively agreed and showed their willingness to cooperate. In addition, during the season the waste collection will also be handled by local utility services, thus ensuring sustainability of the project.

The educational aspect of the project was also covered

through interaction with school children in Aktau, Tupkaragan, Karakiya and Beineu regions. Following the completion of the project, more than 30 schools will be a part of community environmental network committed to green leadership. The schools got an opportunity to issue and post own environmental bulletins on the school boards, installed by NGO.

“The first cooperation with TCO started within the framework of a common social project launched in February 2019. Through execution of this project and cooperation our entity has been able to broaden its activities. For instance, the farthest regions, like Borankul Village, were added to the project scope. For the first time ever, our professional activity related

to fostering environmental culture reached and engaged rural children and youth. The project led to expansion of environmental network in the farthest rural areas, expansion of our partnership network. One of the main achievements for us is that, for the first time in many years, some recreation areas have the well-established system for collecting solid domestic wastes left by tourists and vacationers. It is a significant and real contribution made to the sphere of environment protection that would not have been possible without TCO input and support”, said Kirill Ossin, Director of Eco Mangystau NGO.

Marina Fakhruddinova,
FGP-WPMP PGPA
Stakeholder Engagement
Advisor

JULY 8: DAY OF THE CITY OF NUR-SULTAN

Nur-Sultan – the city that changes lives

I moved to the future capital from Almaty in 1997, I guess together with state symbols. My father was transferred for his job, and the whole family, without hesitation, started to plan the move. I had just finished the 11th grade and had to choose a university for admission. ENU was the most logical choice. Although at that time, if to be honest, it was just a provincial institute and a former teaching and civil engineering institute.

The city initially did not make any impression. The central part was built up with Soviet five-story buildings and private houses of the “stagnation” era. In some private homes, cows and other livestock were kept. The streets seemed narrow and, after Almaty, lacking greenery.

Now, looking back over 20 years ago, I understand that

the first years were the most interesting ones. Kazakhstanis started to move to the city from all over the country. The city was actively growing and being built-up. On June 10, 1998, there was a Presentation of Astana to the world community. We, first-year students, actively participated in there. In particular, I, among 500 girls of metropolitan universities, presented flowers to delegates from different countries. At the old Soviet-type stadium, at the same time there were presidents of many countries, heads of governments and parliaments.

A few years later, the construction of the left bank of Astana began. At first only Baiterek stood in the middle of the steppe and numerous construction sites. It seemed so high.

After that other ambitious projects appeared: the Palace of



Peace and Reconciliation, Khan Shatyr, Oceanarium, Opera and Ballet Theater and many others.

But for us, already residents of the capital, who cannot see themselves in another city, one of the strongest impressions was an international exhibition “Astana EXPO 2017.” It was an unusual three months!

The city lived a completely different life. Visitors from Papua New Guinea walked in

the streets of the city with loin-cloth only, with painted faces and feathers. At the exhibition you felt not only like in another country, but as if in another universe. Futuristic designs and unusual solutions made the EXPO area truly unforgettable. That summer, the city was like the capital not only of Kazakhstan, but of the whole world.

Our city continues to grow, construction does not stop.

Last year, in honor of the 20th anniversary of the capital, all the Oblasts of Kazakhstan made their special gifts to the main city of the country. So, Atyrau Oblast presented a bridge of extraordinary design, connecting the left and right banks of the city.

Nur-Sultan is a city that has changed many human fates. I met my future spouse here and gave birth to my children, already residents of the capital. I graduated and now I work in the capital office of Tengizchevroil for more than 12 years.

The strength of our capital in its eternal youth and liveliness. Young people from all over the country come to the capital to start their new life in this still young, but already so beautiful city!

Mariyam Omarova,
Lead Specialist, P&GA III
Nur-Sultan city

INCIDENT AND INJURY-FREE

IIF Champions Recognition Lunch

The monthly IIF (Incident and Injury-Free) Champions Recognition Lunch was arranged at the request of the 3GP Senior OEILT (Operational Excellence IIF Leadership Teams). On Friday, June 21, nearly 50 participants gathered for food and conversation at Sarens Training Center.

Organization of the event and preparation of its attendees were handled by JMJ Associates Consultant Nurzhan Umirzakov and JMJ Associates Field Coach Mirlan Sultanov.

3GP IIF Coordinators Daniya Khon and Indira Ziyakhmetova were in charge of logistical arrangements, while 3GP IIF Team Lead Bauyrzhan Khapezov facilitated the event and overlooked overall organization of the function.

The translating team was also present to assist the expat attendees to socialize with the IIF Champions.

Number of guests were invited to engage with the IIF Champions during the lunch: Project Managers, Construction Managers, Construction Superintendents, HES Managers of the Project Management Team as well as Business Partners.

The participants discussed significance of sharing information regarding safe work practices, and importance of looking out for one another, allowing everyone at the end of the day to return home safely to their loved ones.

“They also discussed the importance of their role in being a conduit to share information between the crews, WRP’s, supervisors and management”, FGP 3GP C&UG Project Manager Lindy Patterson, explained. “And, we thanked them for volunteering as IIF Champions, as this is a role they fill above and beyond their regular day job as laborers, rebar workers, scaffolders, etc. Their passion for changing the way the crews think about safety and making it inherent in everything we do is critical to being able to work incident and injury free!”

Overall, the IIF Champions

Recognition lunch was a successful gathering both for the IIF Champions and the event attendees. The IIF Champions spoke very passionately about their work, while Management speeches recognized and acknowledged the IIF Champions for their great work they do on the field as volunteers, and contribution being the voice of the workforce at Senior management level.

“There was a lot of encouragement and positive feedback from management on the planning and facilitation, dialogue and engagement with the IIF Champions. Lunch, which was

catered by ESS was enjoyed by all,” FGP 3GP IIF Team Lead Terry Thomas, added. “This is a monthly event so everyone is looking forward to the next IIF Champions Recognition lunch due to take place later this month.

We need to start getting people to think more about hazards of routine duties. Too many people are still getting hurt performing what are often times thought of as routine duties. We have lots of focus on high risk activities, and we need to maintain that focus, but we can’t lose focus when performing routine duties. I also think we should practice

more on using start work check lists, as it’s the conversation and dialog with the crew that is important with these checklists. It’s not a “check-the-box” activity. And finally, we need our business partners to take the lead more in safe work practices. I still feel like TCO is leading this effort too much as opposed to our business partners taking the initiative in this area.

It was a fantastic way to recognize the IIF Champions, and a great way to have open dialog and learn more about each other’s families and cultures. It was a very enjoyable event!”



KAZAKHSTANI CONTENT

Kulsary Opens New Railcar Repair Company

In October 2017, a branch company of Almaty-based “Eastcomtrans” LLP started its activities in Kulsary as a car repair section. The main objective of the branch is to ensure technical maintenance of freight cars that operate in Kulsary, including those working for TCO. It is timely maintenance and prevention of delays during maintenance of damaged freight railcars. Also as part of the site a new refurbishment shop of wheel pairs

was launched which is one of the main responsible parts of freight cars. The site was introduced in Kulsary in framework of the local economy development project and creation of additional jobs. From the first days the site began to prove its effectiveness for the partnership, providing timely and quality performance of its tasks.

The railcars in poor condition designed for loading of freights were repaired and put back in service. The company's

management took measures to increase the site and improve technical base conditions. As a result, in July 2018 the launch and state registration of a branch of “Eastcomtrans” took place in Kulsary- with a new name Kulsary railcar repair plant. Now as a part of branch maintenance shops of freight cars are operating. The branch's objective is timely execution of TCO orders related to transportation and carriage of goods by railways.

The production capacity of the branch is increasing every year. Last year, an additional a 388-meter long railway was put into operation for temporary parking of freight cars.

Modern equipment necessary for execution of medium repairs was installed in the workshop for repair of wheel sets. Including automated washing station, ultrasonic, rotational, magnetic flaw detectors, vibro-diagnostic system "Expert D". Units for information measuring system for medium repair works of wheel sets in the shop was delivered, so-called IMS tool made in Russia. According to plan in June this year plant installation commissioning works should be completed. Until now, wheels that require medium repair had been sent to wagon depots of Atyrau, Ural And other cities, that is, leading to additional

costs linked with repair work and delays consequently. Once the facilities up and running we expect to see more optimization and improvements.

The implementation of this work, average repairs of wheelsets in Kulsary, will certainly be good news not only for Eastcomtrans LLP, but also for owners of freight cars in Kazakhstan and CIS countries working here as this would have a positive impact on reducing downtime of freight cars and the cost of their repair.

Alpysbay Sarsenbin,
Branch director
of "Eastcomtrans" Kulsary
wagon repair company

TCO IN THE EYES OF STUDENTS

Small Museum with Big History

On June 21, 2019 “Nazarbayev Intellectual School” (NIS) students visited Tengizchevroil corporate museum where they got acquainted with the country's largest oil enterprise, touched upon the history of its creation, and learned about modern projects of the company.

Timur Munbyaev, Petroleum Engineer (Reservoir Management Group), conducted a very informative tour, answering all the relevant questions. The museum tour started with the photo of the most significant milestone: the signing of a memorandum of the establishment of the TCO company in 1993.

Students learned about the petroleum history of Kazakhstan and the discovery of Tengiz field in 1979. Visitors to the museums were shown Tengiz and Korolev oil fields mock-ups, the mock-up of Second Generation Plant, and the Sour Gas Injection complex (SGP/SGI) successfully completed in 2008.

Viewing miniatures of park (Kulsary city) and school (Yntymak village) built under the social program “Igilik”, students became aware of the social infrastructure projects of TCO company.

The final part of the tour – sulfur sample – evoked a great interest among visitors. As Timur Munbayev explained, the last batch of once enormous amounts of sulfur from Tengiz was exported in 2015.

Children gave vivid feedback and asked questions. At

the end of the first part of the program they walked around the museum reviewing the most interesting models in more detail.

After the museum tour, children were shown a TCO company presentation in the conference hall.

Haymish Paulse, Deputy General Manager of Policy, Government and Public Affairs (PGPA), who has over 15 years' experience with Chevron, started the presentation with a talk. He began his speech with a story of the country of his origin – the Republic of South Africa. “My country is a kaleidoscope and a mix of different cultures. It is a mix of languages, picturesque landscapes, and genetic diversity,” he said.

Children actively asked their questions, about the history behind his name, asked about South Africa, showing a broad outlook and erudition.

They also asked about Mr. Paulse's impression of Kazakhstan. His answer surprised the audience. As it turned out, during his stay in Kazakhstan he learnt all clans of Kishi Zhuz (one of three tribal clans, mostly located in the west of the country). Having suggested an impromptu quiz, he made quite an impression on children and supervisors by guessing their “Ru” (tribe) at his first attempt.

At the end of the presentation, Mr. Paulse shared his vision about perspectives of



professional growth, advised children about proper professional choice and encouraged them to “think big”. “So please ask yourself: What profession will be relevant to the moment I graduate from the university? You will never be mistaken if you consider your own interest, market demand, and if you properly assess your skills when choosing your career,” he said. “Your time is limited, therefore do not spend it on social networks. Read more, set clear goals, be realistic, flexible, sociable, and learn languages. And be patient and persistent”.

The presentation performed by Timur Munbayev was about the history of the company in details, production volumes, the Tengiz field and key production facilities of the Tengiz field - Complex Technology Line (CTL) and Second Generation Plant (SGP). He also told about challenging reservoir conditions of Tengiz and Korolev oil fields.

He tried to make his story easy-to-perceive and underlined the important role of RMG

department in the company.

The event ended with the presentation from Botagoz Kulsabayeva, PGPA Manager, who spoke in detail about the large-scale projects currently being implemented in the global energy industry - Future Expansion Project - Wellhead Pressure Management Project (FGP-WPMP). She also presented an interesting video about how the main FGP-WPMP equipment is being fabricated in Italy, South Korea and Kazakhstan, and being pre-assembled into modules for transportation to Tengiz and final assembly.

At the end of a journey, inspired participants shared their impression and asked questions.

“Choice of the profession is a topical issue from me. I really took Mr. Paulse's advice to heart. I am confident they will come in handy. At the museum we were given a lot of interesting information about the company. And I was amazed at the scope of projects, which were presented to us. After graduating from a university, I would love to work in TCO,”

said Amirbek Alibi, a 10th grader in NIS.

Corporate museum tour took place within the framework of research and local history expedition “Respecting your Homeland” whose purpose is to strengthen respect to the homeland and a sense of patriotism. The main goal of this visit was to increase cultural and educational level of “NIS” students, to inform them of one of the largest enterprises in Kazakhstan in the oil and gas sector.

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Kamshat Zhmagulova

SOCIAL INVESTMENT PROGRAM

Providing real support

The Association of Kazakhstan Family Physicians (AKFP) has become one of the largest professional medical organizations in Kazakhstan since its establishment in 1998. AKFP is a recognized leader in development and execution of international healthcare promotion projects. Being a full member of World Organization of Family Doctors, AKFP has been actively cooperating with doctors around the world and well representing Kazakhstan for over 16 years. The Association has been executing various projects in several regions of Kazakhstan since 1999. Moreover, AKFP clinical trainings are popular among doctors and teachers across the country. The AKFP has been striving to strengthen people health in Kazakhstan via development of primary health care and increasing level of knowledge about health of the entire population and independence of ill people.

And, within the framework of TCO's Social Investment Program, AKFP has been successfully implementing social health projects in Atyrau oblast since 2010 and in Mangystau oblast since 2019 respectively.

The AKFP Projects primary objective is to reduce level of severe complications (heart attacks and insults) by early identification and treatment of cardiovascular and other chronic diseases. And by improving knowledge, treatment and ability of patients to help themselves. A long-term cooperation with TCO enabled the establishment of good professional relations with the medical community of Atyrau oblast, gain experience, learn local features and improve approaches to achieve the goal.

Unique conditions have been created for the system of continuous professional development, training of general practitioners and nurses, medical college teachers, to create the best clinical practice examples, organization of primary

health care, having for health workers to get pleasant conditions and interest to improve their clinical, communicative, computer knowledge and skills. AKFP involves the population in keeping healthy lifestyles through introduction of modern technologies.

In 2018, AKFP began work in Kulsary, Zhylyoi district, where they changed their approach to work with personnel. Several teams consisting of doctors and nurses were involved, and they provide first

created where the patient has an opportunity to share private issues and health workers listen to them. But also, good working conditions have been created for improving professional prestige of patients.

The specialists of the association also mentioned about unhealthy diet of residents, abuse of sweet and farinaceous foods, low consumption of vegetables, fruits and clean water. As we all know adopting healthy habits should start from childhood, therefore AKFP organized a special program called "Zertte" for schoolchildren in Kulsary city.

competitions continued in social network pages of "Zertte". Such approach was pleasant not only to pupils, but also to their parents, teachers, local education department and Akimat. The organizers received invitations to conduct similar lessons in other schools too.

Successful examples

Thanks to TCO grants, AKFP was able to examine 18,000 residents of Atyrau and Atyrau oblast, it was registered that 31.3% of people with high blood pressure, and 72 percent with increased cholesterol, sugar was exceeding in a third of the population (32.4%) and

diet, sleep, physical activity, keeping a diary of blood pressure control and other important issues of self-management of any disease.

In 2017 a pilot group consisting from 85 patients demonstrated good results: 62% of them reached blood pressure targeted level while less than 7% of hypertensive patients in normal conditions achieved blood pressure control. Regular structured reminders trained in project nurses allowed to reduce weight in the group by an average of 35%. Changing eating habits and increase the intake of statins, which led to

a decrease in cholesterol by 50%. Moreover, 72% was dangerous for the heart tachycardia.

Enjoying the work

We are proud that AKFP was able to manage combine experience and knowledge of elder generation of highly qualified doctors and medical teachers with more experience and knowledge of advanced young generation of Kazakhstan to solve challenges of Atyrau region. The AKFP employees have opportunity to attract the best specialists of the country

and from abroad to projects funded by TCO. Despite all difficulties, AKFP enjoys communicating with Atyrau oblast residents, especially children, young people, as well as with a professional team of TCO responsible for social support. Thanks to TCO Projects, we provide assistance not in words, but in practice, not in the form of short-term interventions, but on a long-term basis.

D. Nugmanova,
President of Association of
Kazakhstan Family Physicians.

D. Iglilkova,
Executive Director
of Association of Kazakhstan
Family Physicians.



aid for over 25,000 residents. Each team was provided with a staffroom, equipped with laptops and all required software.

The team members started training other members on the electronic health care system. The universal patient rooms were equipped according to international standards and requirements, where only one patient and one health worker can be at the same time. Additionally, medical uniforms were chosen to professionally improve self-assessment of the team members. As a result, not only confidentiality of the patient's or nurse was achieved, but a pleasant environment was

Since 2018, the AKFP attracted several young successful University graduates of Kazakhstan and Western universities who are able to speak fluently in three languages. Young people served as role models for children and their example creating new challenges and opportunities, also helped to set new targets in life within a "Think big" initiative. Successful Kazakhstani youth helped to conduct 157 interactive lessons on healthy habits and behavior for 4 100 schoolchildren of junior and middle-aged school students in Kulsary. Fun live lessons, competitions, team work, creation of video clips,

23.5% had elevated triglyceride levels. At the same time, half of hypertensive patients found out about having hypertension, and most of the population with lipid and carbohydrate metabolism disorders learned about the presence of these dangerous risk factors.

The AKFP teachers, experienced clinical physicians consulted on hypertension and diabetes 468 complex patients causing some difficulties for physicians. The schools provided guidelines for correct measurement of blood pressure, regular intake of medicines, warning signs of hypertensive and their complications, healthy

SOCIAL INVESTMENT PROGRAM

Proud to be a TCO Business Partner

The main objective of the social fund “The Center for Support of Scientific Initiatives” Atyrau oblast is to attract funding and ensure effective management to support organizations and representatives of the Atyrau oblast public to implement innovative scientific and educational initiatives. Moreover, the Fund is aimed to coordinate, consolidate and support activities of young people, create conditions for active participation of young people in social, economic, scientific and cultural life of the country. And provide social and rehabilitation assistance, develop and implement socially significant projects for young people as well as support youth initiatives.

Initially in 2017, there was an idea to create SWAPTEL laboratory based on research and surveys of stakeholders (students, scientists of higher educational institutions, Atyrau oblast public, agricultural organizations, entrepreneurial corporation “Atameken” and others). The results showed there were no comprehensive laboratory in Atyrau oblast that was able to perform analysis of water, soil and plants in one single place. Agricultural and other industrial organizations had to order necessary tests in laboratories of neighboring Russia or in other cities of Kazakhstan like Almaty and Nur Sultan, but some of tests had been performed by small local laboratories in Atyrau. Nevertheless, there are several laboratories available in Atyrau oblast that can perform soil and water analysis separately, however, they are mainly focused on environmental issues and commercialized centers. Mainly, our intentions are to promote scientific achievements in development of agriculture and solving issues of local population.

This project plays an important role in development of a better environmental situation in our region. It is integrated with the existing projects that aimed to improve quality of life in neighboring areas. The future planned works with different plant species will

provide useful information on the types that can be well adapted to the area. Therefore this information will provide not only quality for agricultural products, but also plant species that will help soil enrichment, further strengthening the area in accordance with the requirements for improvement. Atyrau State University named after Khalel Dosmukhamedov based a Foundation Memorandum has provided space (50 sq. meters) for SWAPTEL laboratory as its contribution to the project. The leading scientists and specialists of the University were involved in the project. They researched many methodologies and equipment that capable to provide a complex chemical and biological analyses.

Thanks to support of TCO, SWAPTEL laboratory was fully equipped with laboratory furniture, all necessary equipment, chemical reagents and lab dishes for performing of water, soil and plant analysis. All the purchased equipment has been tested, commissioned and calibrated. The laboratory is being prepared for national accreditation. Currently, the laboratory is passing the stages of interlaboratory comparison of researches. The main research experts group and scientists consists of experienced and recognized scientists in agricultural, chemical engineering, environmental and economic sciences. Additional human capital is involved in the work, particularly, laboratory technicians, engineers who have certificates of access to work with laboratory equipment.

Students of Atyrau State University have been trained in this SWAPTEL, laboratory classes and researches are conducted using modern equipment, such as a gas chromatograph, atomic absorption spectrometer, liquid analyzer, multi-component portable gas analyzer, capillary electrophoresis system, rotary evaporator and other equipment. The students get deep practical and scientific knowledge by learning to perform high quality scientific analyses of soil, water and plants. The University scientists and stu-



dents are ready to implement educational and scientific projects aimed to improve environmental and economic development of Atyrau oblast.

The center for support of scientific initiatives is proud that TCO in 2018 supported SWAPTEL project initiated by the fund. And it is the second

year TCO has been contributing to the project execution. It is an honor to be a partner of TCO! The largest and strongest company in Kazakhstan has been supporting such important social investment projects in the region! We are proud that there is a company in Atyrau oblast providing

such great opportunities not only to its employees, but also to the local population! Thanks to TCO support we have been successfully completing the projects. We believe that the great achievement of our project was to attract students - future young scientists and postgraduate researchers who are interested in the project and want to grow professionally and become competent experts in performing analysis. According to the results of completed works, Tagim D. - a student of “Standardization and certification” was able to take third place in the national competition of scientific projects. Another five undergraduate and postgraduate students are preparing their projects for the upcoming competition.

A few scientific articles were published based on researches conducted in the SWAPTEL laboratory. In 2018 due to successful execution of these projects the University was promoted 318th position in Green Metric international rating. The SWAPTEL project team is proud of its staff and project participants! We are proud that despite conducting high quality analyses of local resources of soil, water and plants, the laboratory serves as a platform for building a strong human resource base in environmental research and for training of local communities in processing and management of soil, drinking water problems and crop research.

Murat Gubaidullin,
Director of Social Fund
The Center for Support of
Scientific Initiatives

WORLD CONGRESS

Russian word in a multi-language world

The main event of this year for me as a Russian language teacher was participation in the largest event in the field of world-wide linguistics – XIV Congress of International Association of Russian language and literature teachers “Russian word in a multi-language world”. Large economic, cultural, scientific centers of different states compete for the right to accept the congress.

Over its 50-year history, the congresses were held in 12 cities of 10 countries – Paris, Warsaw, Berlin, Prague, Budapest, Regensburg, Bratislava, Saint Petersburg, Shanghai, Granada, Moscow, Varna.

XIV Congress was held in Kazakhstan for the first time ever in the renamed capital Nur-Sultan city from April 29 until May 4, 2019. It was a tremendous forum, where 450 delegates from 47 countries of the world participated, including Russian language teachers of all levels of education, literary critics, publishing house representatives, IT companies developing special applications for learning foreign languages. Presentations at break-out sessions on 14 thematic areas and 6 round tables were dedicated to the investigation, functioning of Russian language in modern world and its training. Theme of the Congress reflects full range of functions that Russian language performs in the world today: it is language of science, education, international communication, cultural and national identity.

The results of the XIY MAPRYAL Congress once again prove that the Russian language is an integral part of the cultural and spiritual heritage of

world civilization. By the degree of popularity, the Russian language takes up eighth place in the world, by the number of speakers - sixth. This is the language of great Russian literature, which enjoys well-deserved recognition throughout the world. It is one of the most translatable languages, and it takes fourth place among the languages from which it is most often translated. The Russian language takes seventh place among the languages into which most books are translated. This is the official language of the UN.

Currently, the Russian language is on the second place for being in use throughout the Internet. It may safely be said, and it is a fact that the Russian language occupies a strong position in the top ten world languages.

At the opening ceremony of the Congress, Deputy Chairman of Majilis of Parliament of the Republic of Kazakhstan G.I. Isimbaev made a welcoming speech, Minister of Education of the Republic of Kazakhstan, prominent figures of Kazakhstan had also made a speech.

In the panel discussion of the Congress, Professor Dan Davidson, Director of the Russian Language Institute (USA), Honorary President of the American Councils for International Education, noted that since 2017, the USA considers the study of Russian language to be of strategic importance.

Interest in Russian language deepens. As great V.G. Kostomarov, author of

“Russian language” encyclopedia noted at the Congress that Russian language does



not extinguish, does not lose its power. On the contrary it is enriched and had achieved global stature. At the present stage, the Russian language is the language of business too.

There was much talk about multilingual space, about role of mother tongue, about status of state language.

At the Congress, by responding to a question from Vyacheslav Nikonov, the Chairman of the Board of the Russian World Foundation, Head of the State Duma Committee on Education and Science, about the experience of trilingualism in Kazakhstan, Aigul Sadvo-kasova - Head of the Center for Study of Inter-ethnic and Interfaith Relations in Central Asian Region of the Academy of Public Administration under the President of RK stated that the study of Russian, Kazakh and English languages had brought multiculturalism for the country. She called English language as the key to the new world of technology and science, and the Russian language - the key to the great culture. According to her, 70 percent of Kazakhstanis are bilinguals, and this is a good platform for further development of learning languages.

Arto Mustajoki, vice-pres-

ident of MAPRYAL, Ph.D., professor at Helsinki University, had also agreed with this message and emphasized that the person is trying to master English for wider communication, and Russian for getting acquainted with Russia and its culture.

The discussion participants agreed that bilingualism is a unique and relevant phenomenon in the world. Pavel Shevtsov, Deputy Head of Rossotrudnichestvo, called the discussion area organized by MAPRYAL extremely useful for practice sharing.

Trilingualism is a great opportunity to unite the community.

It is pleasant to note that in Kazakhstan, in Atyrau, the need for Russian, Kazakh and English is dictated by the joint work of foreign multilingual and bilingual specialists in Tengizchevroil company. It employs a lot of citizens from around the world.

Despite the difficulty in learning the language, every year the number of foreign workers, who want to learn how to speak and write in Kazakh and Russian languages increases more and more. It includes representatives of America, England, Scotland,

Ireland, Hungary, New Zealand, China, Malaysia, Vietnam, India, Thailand, Africa, Australia, New Guinea, France, Venezuela, Portugal, Iran, Pakistan and other countries. All of them are fluent in English and show great interest in learning Russian as the language of business.

The language situation in TCO currently shows that it is necessary to form the interaction of different languages and to carry out a dialogue of Kazakh, Russian, American, English and all-European, Turkish and general Asian cultures.

Kazakh language in our country is state, Russian and English as the languages of the economy and world communication. Such an optimal formula contributes to the development of economy and culture.

What beliefs help us learn and know different languages? First, it is prestigious to know several languages, because it develops the mind, flexibility, ability to understand another person, increases the freedom of interaction with people in various life situations, and it makes our lives richer, brighter, more interesting. Secondly, people who speak several languages have a qualitatively different level of freedom in their professional activities and career opportunities. Thirdly, it is necessary for the knowledge of the customs and mores of any nation, by knowing different languages, we can communicate with a person of any nationality.

Thus, people who master their native language and learn foreign languages know their own and world history.

Saniya Kamelova

Social Projects in Mangystau Oblast by the Eurasia Foundation of Central Asia

In September 2018, the Eurasia Foundation of Central Asia (EFCA) corporate foundation, in partnership and with financial support from Tengizchevroil, launched a social project to improve public spaces in Fort Shevchenko, Bautino and Borankul.

The idea behind the project is to foster local residents' awareness of their responsibility for improving the quality

of life through engagement with local activists and committed individuals in efforts to improve the local community infrastructure.

A mini-projects contest called “We Are Powerful Together” was held for these communities between December 15 - January 21. The winners of the contest were 10 projects worth a total of more than 17 million tenge.

In September 2018, the Zharkyra Social Entrepreneurship Support Program got under way in Mangystau Oblast as an initiative of the Eurasia Foundation of Central Asia (EFCA) corporate foundation, with Tengizchevroil financial support.

The Zharkyra Program is designed to support social innovations providing sustainable business solutions to social,

economic and environmental issues in Mangystau Oblast communities.

As we have reported earlier, November 2018 saw a contest for best ideas to support social entrepreneurship. A panel of TCO and other experts picked 20 best concepts out of the total of 37 entries. For the semi-finalists, the EFCA provided business training in marketing, finance, strategic planning and public speaking. Advisers helped the participants put together their business plans.

The 2019 winners were:

• Nurlan Zhalgasbayev, with

a project titled “STEM Training for Children and Teenagers,” won a professional internship. Nurlan is opening a training centre in Aktau with a STEM focus (S-science, T-technology, E-engineering, M-maths). The training consists of 4 modules: engineering, programming, robotics, and 3D modelling. He already runs a similar centre in Zhanaozen.

• Ainagul Makhambetova, with a project titled “Medical Rehabilitation of Post-Brain-Haemorrhage and Posttraumatic Patients” under the Yasin Medical Centre, won

Saving baby fish – 2019

The annual campaign for saving baby fish was held this year too. On July 20 and August 10, TCO and Yntymak NGO volunteers went to Makhambet district, where in high-water seasons traditionally several small lakes are formed. These ponds serve as “maternity

hospitals” for fish, where they lay eggs. However, according to representatives of the fishery inspection, this year high-water season was not so heavy and many of the lakes were not formed. Anyway, it did not reduce our volunteers’ enthusiasm.

Jack Baker, General Manager of Operations at TCO, participated in campaign for the first time and was very excited. He enthusiastically shared his impressions: “I am pleased to

be part of such an event. I hope we can save a lot of baby fishes during our stay here. As a large oil company, I think we should make our own contribution to the development of Atyrau Oblast”.

According to the results of two days, about 18,000 baby fishes were rescued. In total, 118 volunteers took part in the campaign.

Aizhan Iskuzhiyeva,
Specialist P&GA



MAN'S BEST FRIEND

My faithful pet Alakai

There are many people in TCO who own pets. We have to constantly educate and train our pets to build a cheerful friendship with them.

Bibinur Askabylova, TCO projects consultant and her friend, Alakai, an American Akita, recently participated in a dog handlers’ festival in Atyrau. Despite her delicate appearance, Bibinur can control the behavior of her big dog. We were able to observe that at the festival. Bibinur was the only girl in the show, which professional and amateur dog handlers attended.

- Bibinur, why American Akita?

- I did not have to choose, my friends gave me the puppy as a gift.

- Could you please tell us about this dog breed?

- Originally, this dog breed “Akita” comes from Japan. People started breeding by crossing mastiff dogs and German shepherds, so as a result they got a new breed called American Akita, which is very different from its Japanese breed. They live approximately 10-12 years. In fact, they are very loyal, friendly and get



along well with children. Moreover, they can be good hunters and guards too.

- Bibinur, how did you achieve obedience and leadership over the pet?

- You need to train your dog from an early age, it is very important not to miss the right time and establish contact with your pet as quickly as possible. Akita chooses its owner and obeys the master if there is a distinct link between them.

- Is there a good link between you and Alakai?

- Well...yes, but it was difficult in the beginning. I was trying to train Alakai by myself, of course, there were mistakes, but it didn't work. I was disappointed. Fortunately, later I met Serik Aitpaev. He is, same as his father Amangeldy, a famous dog handler in Atyrau region. The professionals who dedicated many years training dogs. Serik has been working in the kennel of Atyrau oblast police department where there

are over 20 species of dogs such as German shepherds, Labradors, Spaniels and Belgium shepherds. I became confident in training success after having few lessons from Serik. I learned a lot about psychology and behavior of dogs, also studied works of dog handlers and realized the fact if you do everything right, then any dog will be faithful friend for you.

The results of training you had seen during the dog show. I am happy with its performance, Alakai did not let me down and fulfilled all my commands without any problems.

I would like to express my gratitude to hosts of the festival and I believe such events are important. It positively affects to love pets.

Aibar Khamiyev



an interest-free loan and professional internship. This Yasin Centre professionally supports rehabilitation of people with disabilities (post-brain-haemorrhage, posttraumatic and post-heart-attack patients and handicapped children with a cerebral palsy condition), helping them overcome physical and mental barriers as they try to reconnect to the outside world.

• Aibala Chalkarova, with a project titled “Children’s Eyesight Rehabilitation Consulting Room” under the Orken Training Centre, won a professional internship. The project

will support prevention of eye conditions in children, using mechanical appliances for eye training and treatment.

• Yerzhan Sarsenov, with a project titled “Promote Acrobatic Sports for Children” under Mangystau Oblast Kapoyra Federation, won an interest-free loan and professional internship. Yerzhan will give a chance to physically weak kids to go in for sports and will train future trainers in acrobatic sports for Mangystau Oblast.

• Raikhan Bekmanova, with a project titled “Pelmeny-Making Shop” under the

RAI Social Emergency Women Support Centre, won an interest-free loan and professional internship. As part of the project, a domestic violence crisis management centre will provide space for a small shop to make flour-based ready-to-cook products, which will give women in critical situations an opportunity to work and have an income, while the Crisis Management

• Laura Asyrova, with a project titled “Inclusive Leisure (Dance Therapy and Beach) for People with Special Needs” under the Luara Community

Centre, won a contest grant and professional internship. Laura’s plan is to provide inclusive recreation through dancing/movement and sea therapy classes.

• Samal Ordabayeva, with a project titled “Rehabilitation Room for Children with Special Needs at a Day-Care Centre,” won an interest-free loan. The Centre will open at a private day-care centre in Borankul. As well as typical day-care services, the project will focus on kids’ holistic development, unfettered thinking, personal growth, in-depth knowledge, speech therapy,

maths, English and Russian. Services for disabled children will be free of charge.

On March 12, 2019, EFCA held a ceremony in Aktau to award the winners of the Zharkyra Social Entrepreneurship Contest. The ceremony brought together representatives from the Social Bloc of Oblast Akimat departments, the media, the Atameken National Chamber of Entrepreneurs, the Damu Entrepreneurship Development Foundation, the Mangystau Oblast Civic Alliance, NGOs, and Tengizchevroil.

SPORT



120 years
of Kazakhstan
oil industry

Chess Champion

TCO employee, Serik Kenzheyev, Analyst in the legal-contractual department, won the Republican chess contest among oil companies, which was recently held in Aktau. Serik beat all seven competitors and became the best among the best.

Serik has been playing chess for almost his entire life – since he is 9 years old. At the age of 13 he became a candidate for the master of sports. He is a prize-winner in individual championships of Kazakhstan and the International Moscow Chess Festival. And he is a bronze prize-winner among the countries of Pre-Caspian states. In his student years he represented KazSU and was a

team leader at the Republican Student Games. His coach was Vice-President of Atyrau Oblast Chess Federation, Sabyrbay Gaisin, who discovered the unlimited and magical world of chess, and Marat Tazhiev became Serik's mentor, thanks to whom he went up to a new level.

The competition in Aktau lasted for two days. The rivals representing different Kazakhstan oil companies were strong.

"The fight was interesting, and it turned out that by the end of the tournament my main competitor from Pavlodar oil refinery plant scored the same points as me, but he had one defeat during the tournament and the victory was mine," Ser-



ik recalls. "However, his team appealed against the decision of judges and demanded a tie-break - additional two rounds between two leaders."

Serik Kenzheyev eagerly agreed to play with him, since it was important for him too.

As a result, our hero easily and quickly won all two games and became champion of the tournament.

"Thanks to my colleagues, I felt their support and excitement. I am happy that I satisfied their expectations."

Serik decided to move beyond and to scale new heights in the wide chess world. He scheduled his next tournament in USA, Philadelphia

city, Pennsylvania, where the 47th World Open International Chess Tournament dedicated to USA Independence Day had been held. This competition is organized annually by American Chess Federation. It lasted from June 2 through June 7.

The tournament included the 300 best chess players from all over the world. The contest is not expected to be easy. In this battle of intellects, our colleague took the third place by winning the Master of Sports Eduardo Ragolta (Texas) in the last round.

Every year the tournament gathers representatives from more than 10 countries of the world. Serik Kenzheyev was the only representative from Kazakhstan. "The competitors were all the same level, quite strong. Honestly, I went to the tournament with faith in my victory, despite the fact that it was my first competition of this scale. I didn't immediately become a favorite, but the last 4 rounds out of 9 I finished with absolute win and became a bronze medalist."

Serik returned home with a cash prize of \$4,500.

We congratulate our hero with his victory and wish him new heights and victories in this magical chess world.

Aibar Khamiev

Sports competitions in Tengiz

Tengiz offers excellent conditions for employee recreation and sport activities. The Tengiz family cares about having a healthy lifestyle and periodically arranges various sport competitions. Recently,

the Kemel group arranged competitions on beach volleyball, swimming and table tennis.

These competitions were linked to celebration of the 120th Anniversary of Kazakhstan's oil.

In total, 9 teams participat-

ed in a 4x4 formatted beach volleyball competition, Compass Operations Department and ESP teams shared the first, second and third places, respectively.

29 employees participated in the table tennis competition and showed really good gaming skills. As a result of tough games between men Timur Kurenkov took the first place, German Anashkin and Scott Harper

shared second and third places accordingly. Among women the first place was taken by Kate Christova, second Laura Biyeva and Nazgul Suieumagambetova placed on the third position.

The RV swimming pool was full of participants of the competitions and supporters. Men competed in freestyle with distance of 100 meters and women 50 meters. As a result, Kale Oldman just in 1 minute

6 seconds completed the task. Battle for the second place was between Alexey Katkov and Sergey Grinenko who has won the second position with a difference of 0,06 seconds. Between women Samal Duysenova won the first place and Zhanyldygul Suyenova was second.

Human Resources Management, Kemel Group

First touch Rugby tournament in Atyrau's history

Recently, a touch rugby tournament was held in Dostyk village. This was the first sport event related to rugby that was held in Atyrau.

Touch rugby is a variety of the game that requires less training and minimum equipment than the traditional game, and is reduces the risk of injury.

The tournament was organized by TCO employees Kevin Ricketts, Mark Kimutis, Dave Barge, Jarrad Rexilius, Keith Lamb, Andy Mayeux, Alex

Dempster, Kenny Wilson, Jerome Amiotte and Ernesto Puche. It was a self-sponsored event. The teams paid a fee which went to buying jerseys, trophies, medals and certificates.

The tournament gathered 8 teams. Each team consisted of 8 people. In the end, the team "Atyrau Vets" consisting of players aged 50+, won the tournament.

There was a special trophy for the team that displayed the best rugby spirit. It was called

the "Tana Umaga award". That trophy was awarded to a team composed of 5th graders and moms, called "The underdogs". They were fun to watch, and the kids showed true passion.

Participants are already preparing for the next touch rugby tournament which is scheduled for next May. We hope to see more teams in the next tournament!

Arslan Agishanov,
Communications Specialist



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