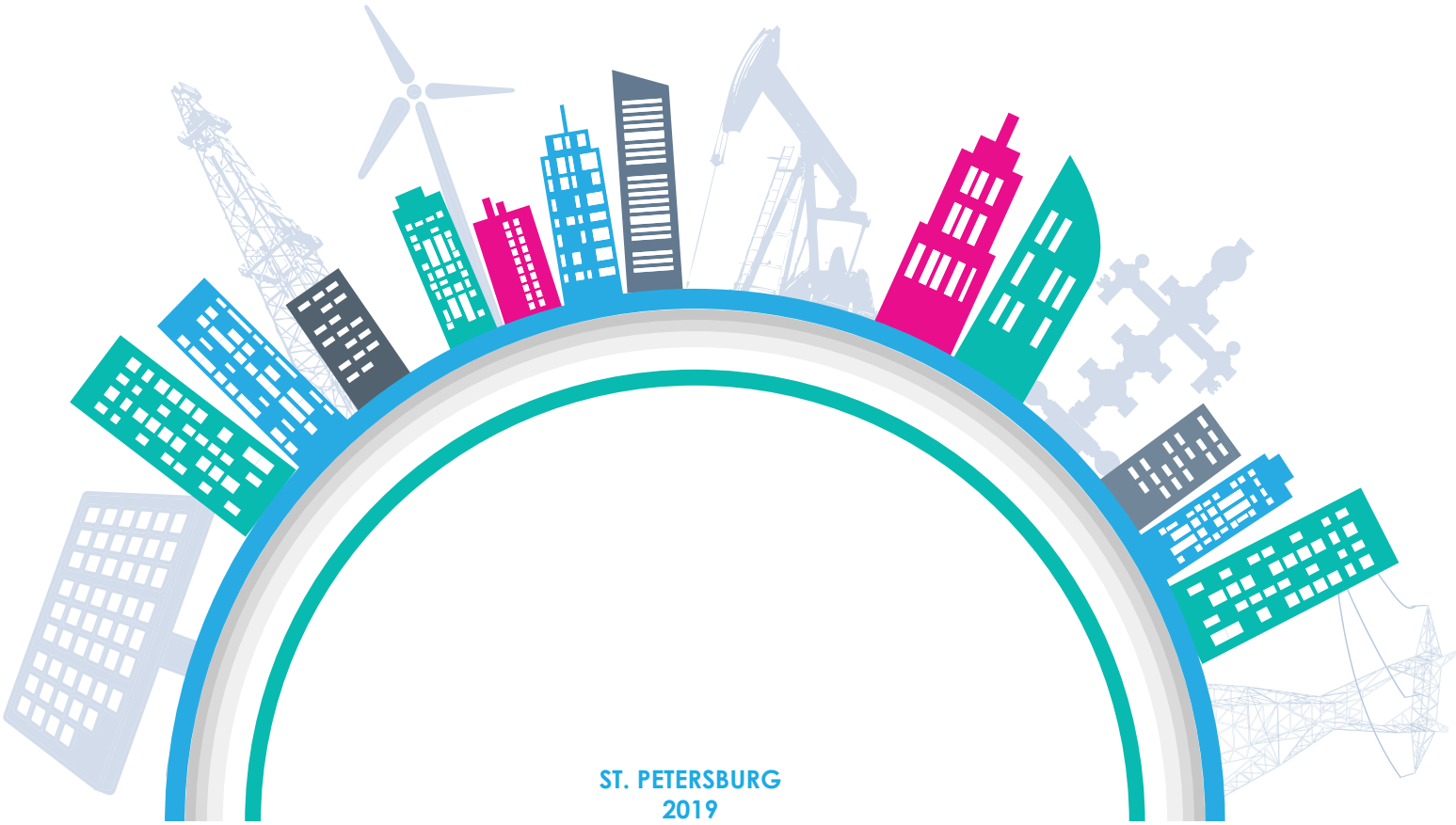
FINAL REPORT

THE 9th ST. PETERSBURG INTERNATIONAL GAS FORUM

YOUTH DAY
ENERGY CHALLENGE



ST. PETERSBURG
2019

PARTNERS AND ORGANIZERS

KEY PARTNERS

GAZPROM

uniper

gasunie

ORGANIZERS

SAINT-PETERSBURG STATE UNIVERSITY OF ECONOMICS
HIGHER ECONOMIC SCHOOL

IBC
International Business Congress

1–4 OCTOBER 2019
GF St. Petersburg Gas Forum
THE 9TH ST. PETERSBURG INTERNATIONAL GAS FORUM

FMIP

PARTNERS

wintershall dea

ENERGY DELTA INSTITUTE
ENERGY BUSINESS SCHOOL

ESMT BERLIN

OMV

SIEMENS

Schneider Electric

VNG

GREETINGS FROM HES UNECON TEAM

THE YOUTH DAY of the St. Petersburg International Gas Forum is a project uniting representatives of business, academia and student community. The project's goal is to attract talented young people to the energy sector.

Over the past five years, we have been able to bring together more than 1000 participants from 45 countries, representing 75 educational institutions. We stay in touch with many of them. For these young people participation in the Youth Day was a powerful push to continue their careers in the energy and related industries.

In 2019, the project was implemented at a new level. The selection of candidates was stricter, so we can surely say that among our participants there were many representatives of the energy industry future elite. We are working to form and develop a professional community capable of finding new groundbreaking ideas and solutions to the most pressing issues.

In the anniversary year, a team of organizers from the Higher Economic School of St. Petersburg State University of Economics upgraded the event by introducing new formats and launching the **ENERGY CHALLENGE**.

We paid special attention to participants' training. For this purpose we created an educational online platform called Virtual Academy, where experts from leading international energy companies shared their knowledge and experience with students. Following the results of the training 60 best students were selected and invited to St. Petersburg to participate in the Youth Day events.

New formats of events were also waiting for our participants at the St. Petersburg International Gas Forum on October 1-3, 2019. This was an intensive program that included team building, quest within the SPIGF exhibition, business game "Charge the City" and traditional Off-tie Meeting with top executives of energy companies.

This year's success was achieved thanks to the financial and expert support of IBC member companies: Gazprom, Gasunie, OMV, Uniper, Wintershall Dea, Shell, Energy Delta Institute, European School of Management and Technology, Schneider Electric, Siemens and Verbundnetz Gas.

The Youth Day team thanks SPIGF organizers and all partners for their willingness to look for new ways and means of cooperation with universities. We are sure that such collaboration will reinforce the energy industry with new professional and talented personnel.

SEE YOU IN 2020!

ПРИВЕТСТВИЕ ОТ КОМАНДЫ ВЭШ СПБГЭУ

МОЛОДЁЖНЫЙ ДЕНЬ Петербургского международного газового форума – это проект, объединяющий представителей бизнеса, академической среды и студенчества. Проект нацелен на привлечение талантливой молодёжи в энергетическую отрасль.

За пять лет нам удалось собрать более 1000 участников из 45 стран мира, представляющих 75 учебных заведений. Мы поддерживаем связь со многими из них. Для ребят участие в Молодёжном дне стало мощным толчком, позволившим продолжить карьеру в сфере энергетики и в смежных отраслях.

В 2019 году проект прошёл на совершенно новом уровне. Был проведён более строгий отбор кандидатов, поэтому смело можно сказать, что среди участников находятся представители будущей элиты энергетической отрасли.

Мы хотим сформировать и развить профессиональное сообщество для поиска новаторских идей и решений.

В юбилейный год организаторы из Высшей экономической школы СПбГЭУ улучшили программу мероприятий, обновив форматы и запустив **«ЭНЕРГЕТИЧЕСКИЙ ЧЕЛЛЕНДЖ»**.

Особое внимание мы уделили подготовке участников. Для этого была создана образовательная онлайн платформа Виртуальная академия, где эксперты из ведущих международных энергетических компаний поделились своими знаниями и опытом со студентами. По итогам обучения 60 лучших студентов были отобраны и приглашены в Санкт-Петербург для участия в Молодёжном дне.

Новые форматы мероприятий также ожидали наших участников на площадке Петербургского международного газового форума 1-3 октября 2019 г. Программа была насыщенная: тренинг по командообразованию, квест по выставке ПМГФ, бизнес игра «Заряди свой город» и традиционная встреча в формате «без галстуков» с первыми лицами энергетических компаний.

Успех проекта в этом году стал возможен благодаря финансовому и экспертному участию компаний-членов МДК: Газпром, Gasunie, OMV, Uniper, Wintershall Dea, Shell, Energy Delta Institute, European School of Management and Technology, Schneider Electric, Siemens и Verbundnetz Gas.

Команда Молодёжного дня выражает благодарность площадке ПМГФ и всем партнёрам за готовность искать новые пути и способы сотрудничества с вузами. Уверены, что такое взаимодействие будет плодотворным и позволит усилить энергетическую отрасль новыми профессиональными и талантливыми кадрами.

ДО НОВЫХ ВСТРЕЧ В 2020 ГОДУ!

MESSAGE FROM PARTICIPANTS

Anton SOKOLOV
Ufa State Petroleum Technological University (Russia)

THE YOUTH DAY or rather days of the St. Petersburg International Gas Forum 2019 have finished.

DAY 1.

Team building. We built a Goldberg machine. Everything worked out perfectly. There are some conclusions: even such a fun project requires a division into working groups, terminological uniformity (especially when engineers make minority in the team), ability to think outside the box, and (which is very important!) the presence of a person able to critically evaluate the outcome.

Presentation. The teams have been mixed. We have prepared a hypothetical project presentation on a given topic, uniting four companies participating in the exhibition program. We managed to finish quite quickly by distributing the work flows in the team.

DAY 2.

Solving a case. Probably the most intense but interesting day. The teams have been mixed again. Representatives of five countries and a dozen of universities stuck to our group. The task was quite interesting. From the technical standpoint, I can't say that it was especially difficult, but from the point of view of the guys responsible for the financial part of the solution, the situation, I think, looked different.

In the afternoon, the initial conditions of the case began to be changed regularly under the influence of various "Black Swans". The technical model we developed turned out to be so valid and flexible that serious changes in the financial model and strategy for stakeholders were not required. All our difficulties (technical, financial, corporate) were resolved by Irina Kuznetsova, an expert who had chosen our team. Irina represented Schneider Electric at the Forum. Excellent teamwork was slightly compromised by problems with time management. But in the end we took a well-deserved "bronze".

DAY 3.

The Off-tie Meeting with top management of Gazprom, Shell, Wintershall Dea, OMV, Uniper and Gasunie went very far from a simple Q&A format. This year it also was similar to a business game: the newly mixed teams received a topic for discussion in advance, in which they had to think over the questions for their CEO, and then present the results of the discussion within a three-minute speech. Mario Mehren, Director General of Wintershall Dea, joined our team for 15 minutes, and has consistently been enduring a flurry of difficult questions regarding the environmental side of oil and gas majors' activities.

To imagine another possibility of an open and free dialogue that would have been lasting for one and a half hour with the heads of energy majors is difficult for me today. The Off-tie Meeting is, undoubtedly, one of the brightest events of the Youth Day.

Once again, I would like to thank all the organizers, moderators and experts, to express my admiration for the guys I was lucky enough to work with in one team, and to thank the top managers of oil and gas companies who have sacrificed their most expensive and irreplaceable resource for us: time.

I hope that we will all be able to meet at the Youth Day of SPIGF 2020!

ПОСЛАНИЕ ОТ УЧАСТНИКОВ

МОЛОДЁЖНЫЙ ДЕНЬ или, скорее, дни Петербургского международного газового форума 2019 завершились.

ДЕНЬ 1.

Тимбилдинг. Строили машину Голдберга. Все получилось отлично. Несколько выводов: даже такой, казалось бы, шутейный проект, требует разделения на рабочие группы, единства терминологии (особенно важно, когда инженеры в команде в меньшинстве), умения мыслить вне заданных рамок, и (очень важно!) наличия в команде человека, который бы мог дать критическую оценку получающейся конструкции.

Презентация. Команды перемешали. Готовили презентацию гипотетического проекта на заданную тему, объединяющего четыре компании из числа участвующих в выставочной программе. Справились достаточно быстро, распределив между собой направления работы.

ДЕНЬ 2.

Решение кейса. Самый, наверное, напряженный, но интересный день. Команды перемешали еще раз. В нашей подобрались представители пяти стран и десятка университетов. Задание было достаточно интересным, с технической стороны не сказать, что особенно сложным, но с точки зрения ребят, отвечавших за финансовую часть решения, ситуация, я думаю, выглядела иначе.

Во второй половине дня исходные условия кейса стали регулярно меняться под воздействием различных «черных лебедей». Разработанная нами техническая модель оказалась валидной и гибкой настолько, что серьезные изменения финансовой модели и стратегии в отношении стейкхолдеров не потребовались. Все наши затруднения (технические, финансовые, корпоративные) помогла разрешить эксперт, выбравший нашу команду, Ирина Кузнецова, представлявшая на Форуме компанию Schneider Electric. Прекрасная командная работа была чуть подпорчена проблемами с тайм-менеджментом – в итоге заслуженная «бронза».

ДЕНЬ 3.

«Встреча без галстуков» с топ-менеджерами Газпрома, Shell, Wintershall Dea, OMV, Uniper и Gasunie очень далеко ушла от простого формата «вопрос-ответ». В этом году она также напоминала деловую игру: вновь перемешанные команды заранее получили тему для обсуждения, в рамках которой нужно было продумать вопросы для своего CEO, а после в рамках трехминутного спича презентовать результаты обсуждения. К нашей команде на целых 15 минут присоединился генеральный директор Wintershall Dea Марио Мерен, стойко перенесший шквал не самых простых вопросов, касающихся экологической стороны деятельности нефтегазовых мейджоров.

Представить себе иную возможность открытого и свободного полуторачасового общения с руководителями энергетических мейджоров мне на сегодняшний день затруднительно – Off-tie Meeting – это, безусловно, одно из самых ярких событий Молодежного дня.

Еще раз хочу поблагодарить всех организаторов, модераторов, экспертов, выразить свое восхищение ребятами, с которыми мне посчастливилось работать в одной команде, и признательность топ-менеджерам нефтегазовых компаний, которые пожертвовали ради нас свой самый дорогой и невосполнимый ресурс: время.

Надеюсь, что мы все сможем встретиться на Молодежном дне ПМГФ 2020!

ABOUT YOUTH DAY PROJECT

THE YOUTH DAY was organized for the first time in 2015 in the framework of the 5th St. Petersburg International Gas Forum (SPIGF). After the first edition great success, it became an annual event included in the SPIGF official program.

In 2019, the Youth Day was held for the fifth time in updated format of the **ENERGY CHALLENGE**.

The Youth Day project provides an interactive educational platform that brings together industry experts and talented students from around the world for energy business knowledge transfer and searching for new ideas and solutions.

It is organized by Higher Economic School of St. Petersburg State University of Economics (HES UNECON)with financial support of IBC member companies (2019): Gazprom, Gasunie, OMV, Uniper, Wintershall Dea, Shell. Partner assistance was provided by Energy Delta Institute, European School of Management and Technology, Schneider Electric, Siemens and Verbundnetz Gas.

The project is divided into two stages:

1 **Virtual Academy**
3-month online training program

2 **Youth Day within the 9th St. Petersburg International Gas Forum**
3-day interactive events

Participants of the Youth Day are students from different universities from different countries, leading industry experts and top-managers of international energy companies, as well as academia representatives.

More than 500 applications were submitted for participation in the Youth Day 2019. 223 students were enrolled to the Virtual Academy. Finally, 60 best students were invited to St. Petersburg to participate in the Youth Day of the 9th St. Petersburg International Gas Forum on October 1-3, 2019.

О ПРОЕКТЕ МОЛОДЕЖНЫЙ ДЕНЬ

МОЛОДЁЖНЫЙ ДЕНЬ впервые был проведен в 2015 году в рамках V Петербургского международного газового форума (ПМГФ). После большого успеха первого мероприятия, Молодёжный день стал ежегодным событием, включенным в официальную программу ПМГФ.

В 2019 году Молодёжный день прошёл в пятый раз в обновленном формате **ЭНЕРГЕТИЧЕСКИЙ ЧЕЛЛЕНДЖ**.

Целью Молодёжного дня является создание интерактивной образовательной площадки, объединяющей экспертов отрасли и талантливых студентов со всего мира для передачи знаний об энергетическом бизнесе и поиска новых идей и решений.

Организатором выступила Высшая экономическая школа Санкт-Петербургского государственного экономического университета (ВЭШ СПбГЭУ) при финансовой поддержке компаний - членов МДК: Газпром, Gasunie, OMV, Uniper, Wintershall Dea, Shell, а также в партнёрстве с Energy Delta Institute, European School of Management and Technology, Schneider Electric, Siemens и Verbundnetz Gas.

Проект состоит из двух этапов:

1 **Виртуальная академия**
3х-месячная образовательная онлайн программа

2 **Молодёжный день в рамках IX Петербургского международного газового форума**
3 дня интерактивных мероприятий

В Молодёжном дне принимают участие студенты различных вузов мира, ведущие отраслевые эксперты и топ-менеджеры международных энергетических компаний, а также представители академического сообщества.

На участие в Молодёжном дне 2019 было подано более 500 заявок. 223 студента были зачислены в Виртуальную академию. Наконец, 60 лучших студентов были приглашены в Санкт-Петербург для участия в Молодёжном дне IX Петербургского международного газового форума 1-3 октября 2019 года.

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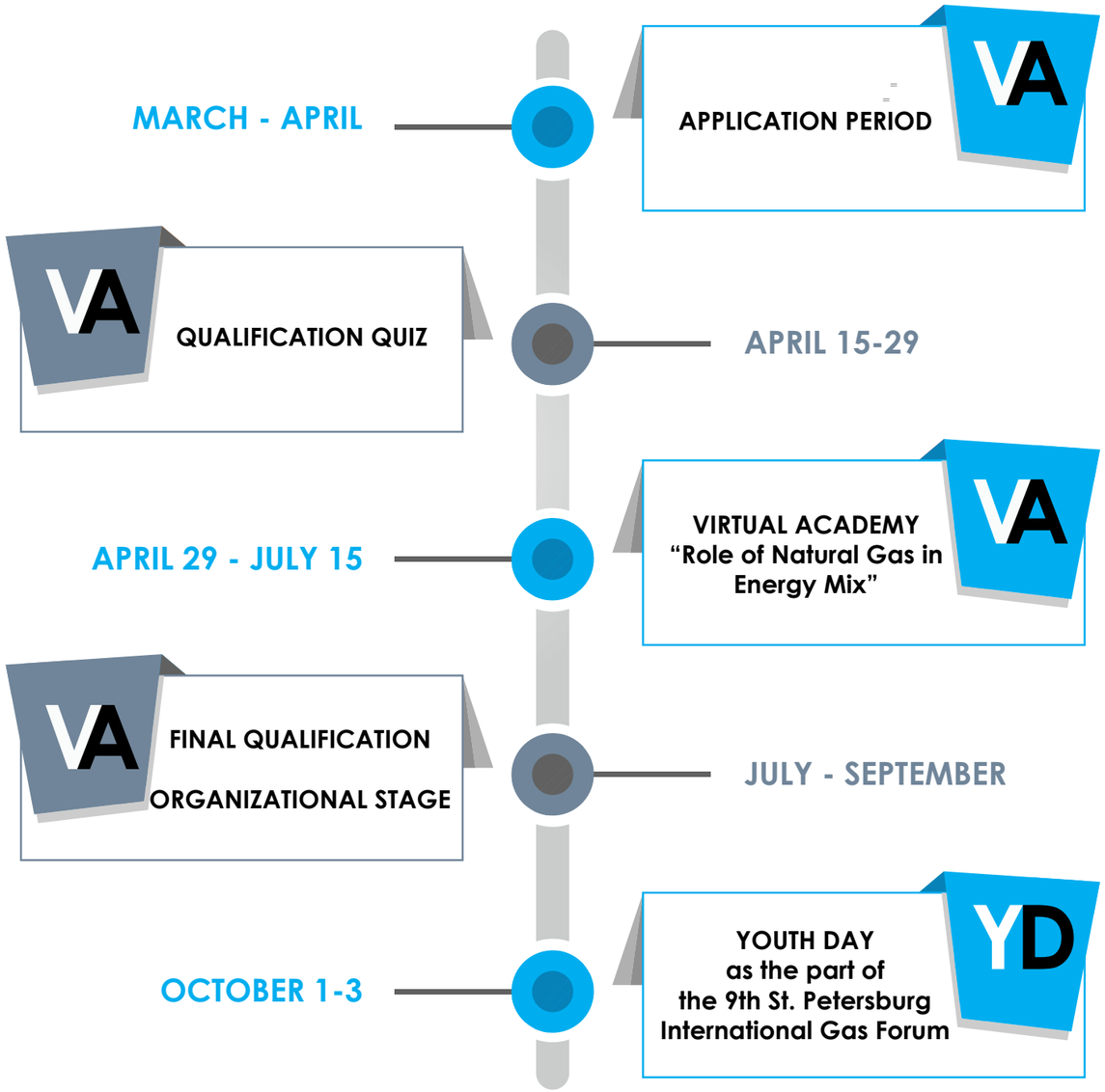
ENERGY CHALLENGE STEPS
Этапы проекта



VIRTUAL ACADEMY

The Virtual Academy is an online educational program. In 2019 we received more than 500 applications, 223 participants were enrolled. The Academy included 5 study modules:

1. **Natural gas 1.0.**
2. **Strategies and business models**
3. **Market trends**
4. **Tech trends**
5. **Sustainable energy transition**

Participants had access to all learning materials and video lectures via the Moodle platform. The study process included:

15 interactive webinars with Q&A sessions/ quizzes and voting held by the professionals from partner organizations: UNECON, Gazprom, Wintershall Dea, Schneider Electric, Verbundnetz Gas, Gasunie, Energy Delta Institute, OMV, ESMT and Siemens.

2 video lectures provided by Uniper and University of Applied Science of Germany.

3 individual challenges to test the knowledge received.

Final #project_challenge to present students' individual projects in energy sphere.

Additional study materials provided for each study module.

60 best students were selected and invited to the Youth Day of the 9th St. Petersburg International Gas Forum.

ВИРТУАЛЬНАЯ АКАДЕМИЯ

Виртуальная Академия - это образовательная онлайн программа. В 2019 году на программу было подано более 500 заявок и зачислено 223 участника. Академия состояла из 5 учебных модулей:

1. **Природный газ 1.0.**
2. **Стратегии и бизнес-модели**
3. **Рыночные тренды**
4. **Технологические тренды**
5. **Переход к устойчивой энергетике**

Участники имели доступ к учебным текстовым и видеоматериалам по заданным темам на платформе Moodle. Учебный процесс включал в себя:

15 интерактивных вебинаров с опросами, сессиями «вопрос/ответ» и голосованием, которые проводили эксперты из партнерских организаций: СПбГЭУ, Газпром, Wintershall Dea, Schneider Electric, Verbundnetz Gas, Gasunie, Energy Delta Institute, OMV, ESMT и Siemens.

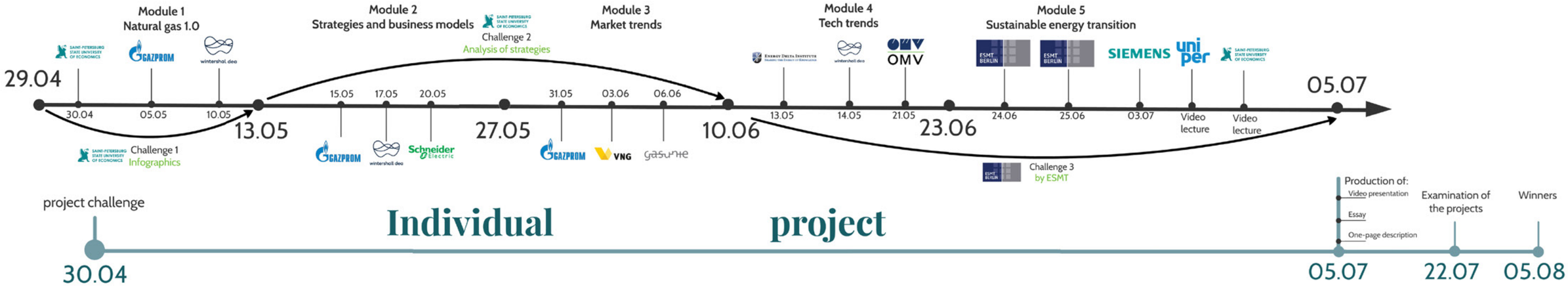
2 видео лекции от Uniper и Университета прикладных наук Германии.

3 задачи на проверку полученных знаний.

Финальное задание #project_challenge – студенческие индивидуальные проекты в области энергетики.

Дополнительные учебные материалы к каждому образовательному модулю.

60 лучших студентов были отобраны и приглашены на Молодёжный день IX Петербургского международного газового форума.



OVERVIEW OF WEBINARS

MODULE 1. NATURAL GAS 1.0.

INTRODUCTORY WEBINAR. WORLD ENERGY BALANCE
Вводный вебинар. Мировой энергобаланс
Pavel METELEV, UNECON
Basic definitions. Types of energy. Qualitative and Quantitative units, conversion. World energy balance: reserves, supply, demand.

NATURAL GAS VALUE CHAIN AND PRICING
Цепочка создания стоимости природного газа и ценообразование
Irina MIRONOVA, Gazprom
Natural gas value chain: upstream, midstream, downstream. Natural gas price and its main components. Gas pricing mechanisms, supply,

NATURAL GAS AS A PILLAR OF ENERGY TRANSITION
Природный газ как основа энергетического перехода
Julia BOERMANN, Wintershall Dea
Energy source types. Energy mix. CCS technology.

MODULE 2. STRATEGIES & BUSINESS MODELS

GAZPROM ON STRATEGY
ПАО «Газпром» о стратегии
Irina MIRONOVA, Gazprom
Resources of the future. Key gas export routes: looking west and east. Investment in sustainable development of gas business. Leading in trend-setting technology projects (stages in reaching climate change goals). Gazprom at a glance.

WINTERSHALL DEA ON STRATEGY
Wintershall Dea о стратегии
Julia BOERMANN, Wintershall Dea
Strong global portfolio. Implementing success-measuring techniques. Becoming a listing company, new investors' attraction.

SCHNEIDER ELECTRIC ON STRATEGY
Schneider Electric о стратегии
Gilles NOUGIE, Schneider Electric
Power Systems Design optimization. Seeking new efficiencies through Digital in the Oil&Gas and Petrochemicals industry. AVEVA PRISM – Asset Predictive Analytics. Two levels for the deployment of digital applications.

MODULE 3. MARKET TRENDS

GAZPROM ON LNG MARKET TRENDS
Газпром о тенденциях на рынке СПГ
Irina MIRONOVA & **Alexey KOSHELETS,** Gazprom
Future of the LNG sector development: trends and perspectives. What is the carbon footprint of pipeline gas and LNG? Is LNG a "premium" product with high added value?

MIDSTREAMERS IN EUROPEAN GAS MARKETS: RISKS AND OPPORTUNITIES
Мидстримовые компании на европейских газовых рынках: риски и возможности
Thomas WITT, VNG
VNG at a glance. Brief history of VNG & partnership with Russia. European Gas Market. LNG in Germany. Key Messages.

GAS HUB DEVELOPMENT. KEY TRENDS IN GAS TRADING IN EUROPE
Развитие газовых хабов. Основные тенденции в торговле газом в Европе
Sybren de JONG, Gasunie
TTF - the leading and price-setting gas hub in Europe and beyond. Market liberalization and unbundling. Conditions to be met for a successful trading place. Comparing gas-trading places. Future developments.

ОБЗОР ВЕБИНАРОВ

MODULE 4. TECH TRENDS

WILL THE ROLE OF HYDROGEN GROW?
Возрастёт ли роль водорода?
Catrinus JEPMA, EDI
On the ratio of energetic electrons and molecules. Perspectives on energy greening. Power-to-gas: current cost price data. The scope of power-to-gas.

DIGITALIZATION
Цифровизация
Patrick Von PATTAY, Wintershall Dea
What is digitalization? How to make digitalization work for you? How to develop a digital strategy? Digital skills development.

THE ROLE OF GAS IN FUTURE MOBILITY
Роль газа в будущей мобильности
Jan PAUL, OMV
Changing global energy demand. Energy and CO2 in Transport. Energy consumption in transport. Trends in transport. Fuel comparison.

MODULE 5. SUSTAINABLE ENERGY TRANSITION

TRENDS IN DECENTRALIZATION AND DIGITALIZATION
Тренды в децентрализации и цифровизации
Jens WEINMANN & **Christoph BURGER,** ESMT
Interactive webinar with a quiz. Capacity additions, storage alternatives, technological learning curves, smart meters, the role of transportation up to CO2 pricing and emissions.

NEW BUSINESS MODELS IN THE PHASES OF ENERGY TRANSITION
Новые бизнес-модели на этапах энергетического перехода
Jens WEINMANN & **Christoph BURGER,** ESMT
Decentralization and digitalization. Phases and business models within the energy transition. Renewable energy crowd-funding, bottom-up participation.

ENERGY SYSTEM ANALYSIS – SHOWCASE GERMANY
Анализ энергосистем - на примере Германии
Stefan NIESSEN, Siemens
Germany's commitment to reduce CO_2 emissions. CO_2 emissions and secondary energy demand by application. Storage technologies and components linking energy modes.

VIDEO LECTURES

EU ENERGY MARKET
Энергетический рынок ЕС
Tino SCHUETTE, University of applied science
Principles of energy economics. The case of Europe and the case of Germany. Future challenges.

NATURAL GAS A BRIDGE TECHNOLOGY OR IMPORTANT PART OF THE ENERGY TRANSITION?
Природный газ как мост к возобновляемой энергии или важная часть энерго перехода?
Dietlef WESSLING, Uniper
Tailoring energy solutions and managing complexity (including H2). Energy transition in Germany and Europe. Natural gas grid as a partner of renewables. Gas to power. Natural gas as motor fuel. Challenges in transport and storage.

CHALLENGES

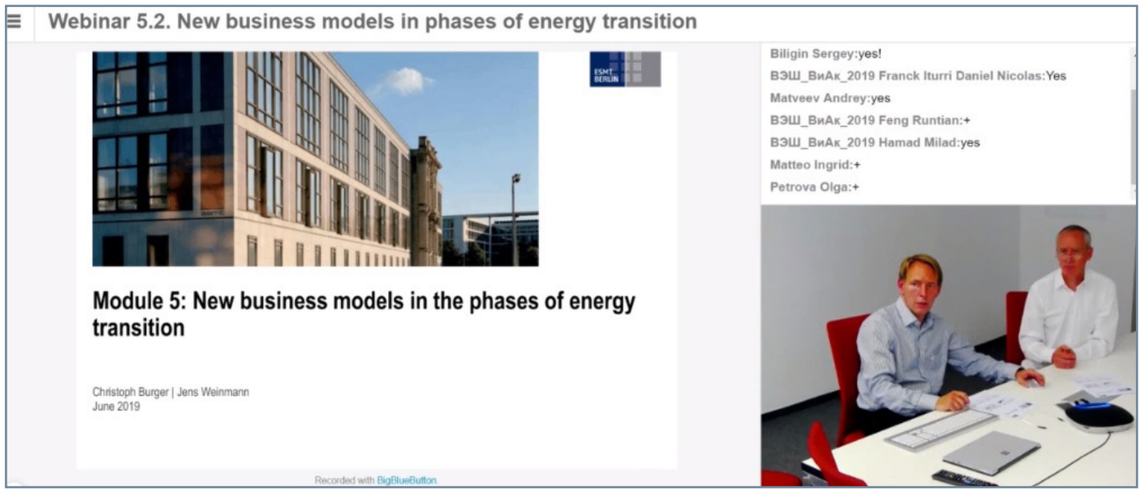
Challenge 1.
Infographics

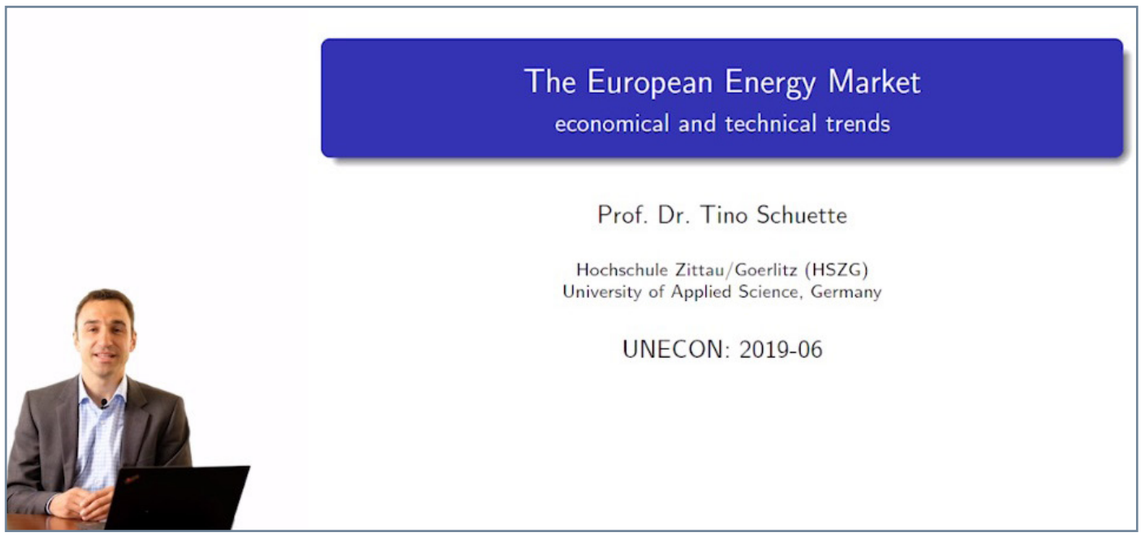
Challenge 2.
Business models and strategies

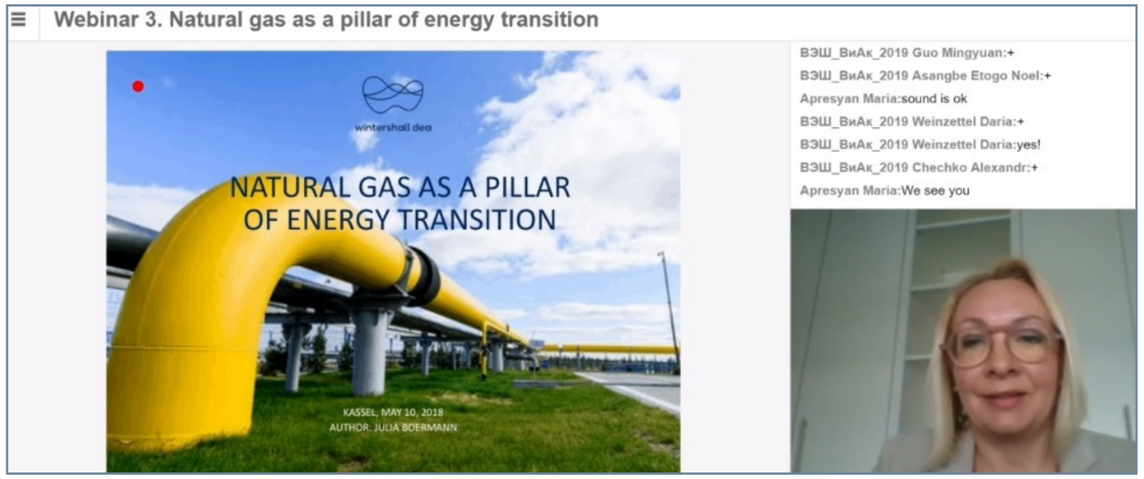
Challenge 3.
Attractiveness of new markets utility-scale storage, smart home, off-grid solution and the role of gas.

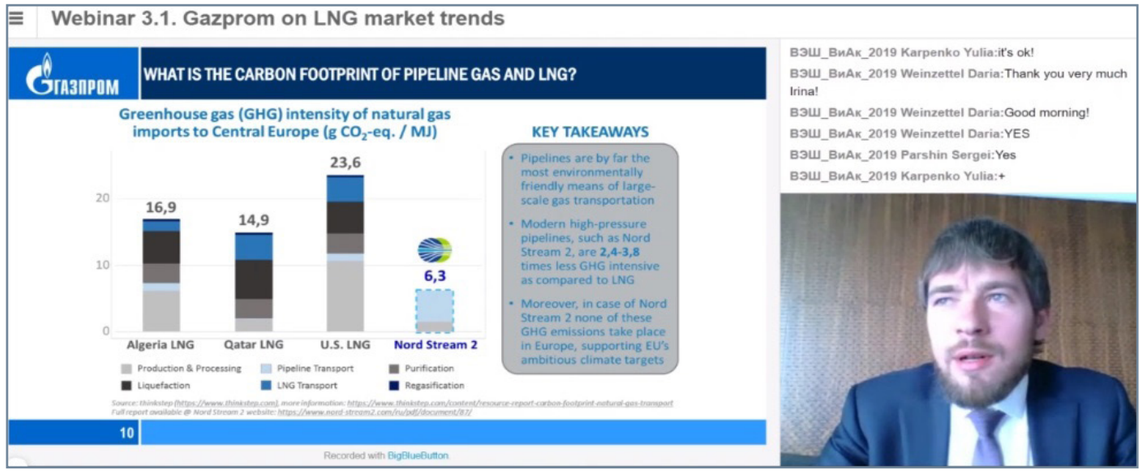
Final #project_challenge


uniper
ESMT BERLIN
EXPOFORUM
GAZPROM
JOINT-STOCK COMPANY
Energy Delta Institute
International Business Congress
IBC
wintershall
Schneider Electric
gasunie
VNG
OMV
SIEMENS
GasTerra


Webinar 5.2. New business models in phases of energy transition
Module 5: New business models in the phases of energy transition
Christoph Burger | Jens Weinmann
June 2019
Recorded with BigBlueButton
Biligin Sergey:yes!
ВЭШ_ВиАк_2019 Franck Iturri Daniel Nicolas:Yes
Matveev Andrey:yes
ВЭШ_ВиАк_2019 Feng Runtian:+
ВЭШ_ВиАк_2019 Hamad Milad:yes
Matteo Ingrid:+
Petrova Olga:+

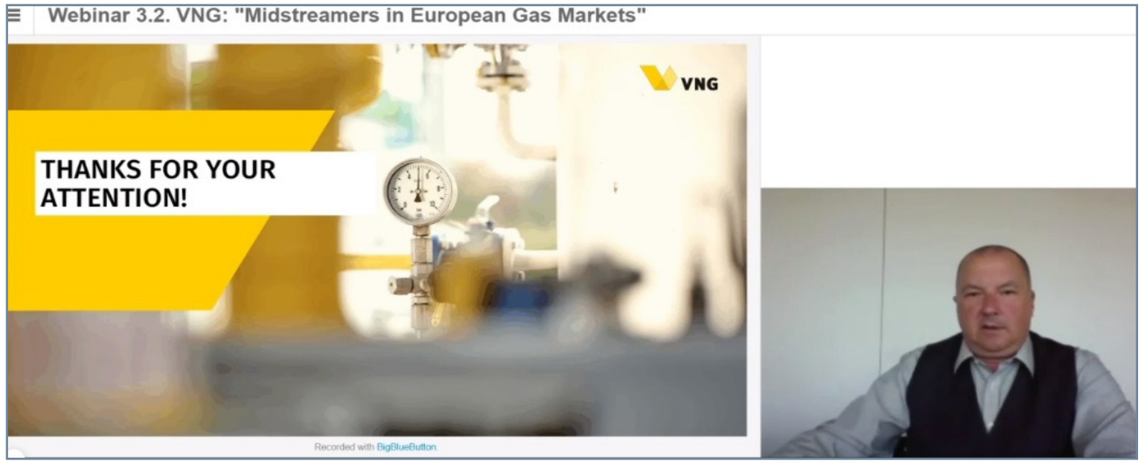

The European Energy Market
economical and technical trends
Prof. Dr. Tino Schuette
Hochschule Zittau/Goerlitz (HSZG)
University of Applied Science, Germany
UNECON: 2019-06

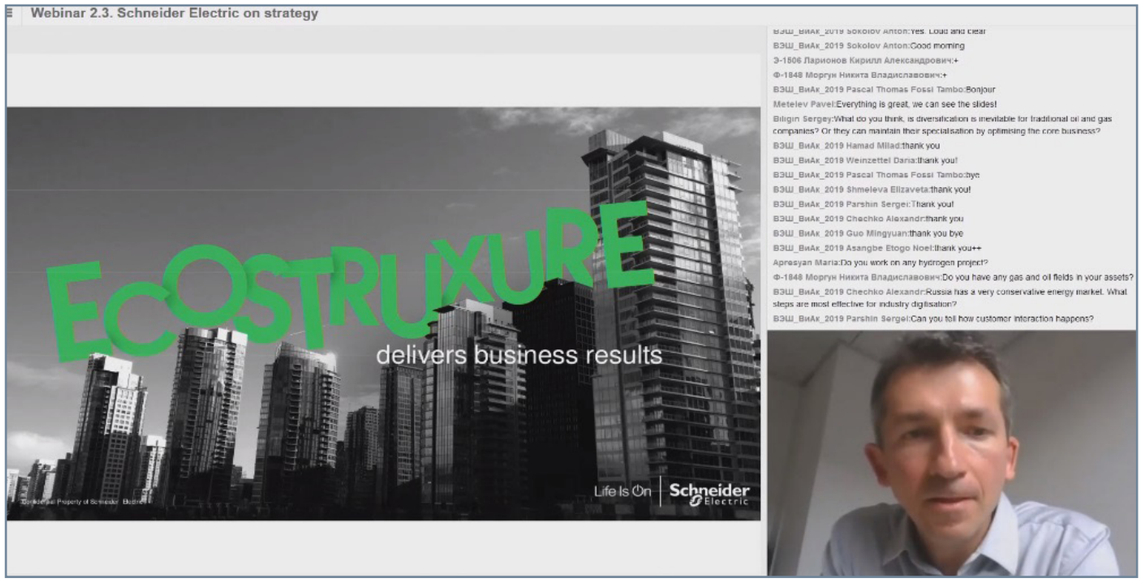

Webinar 3. Natural gas as a pillar of energy transition
wintershall dea
NATURAL GAS AS A PILLAR OF ENERGY TRANSITION
KASSEL, MAY 10, 2018
AUTHOR: JULIA BOERMANN
ВЭШ_ВиАк_2019 Guo Mingyuan:+
ВЭШ_ВиАк_2019 Asangbe Etogo Noel:+
Apresyan Maria:sound is ok
ВЭШ_ВиАк_2019 Weinzettel Daria:+
ВЭШ_ВиАк_2019 Weinzettel Daria:yes!
ВЭШ_ВиАк_2019 Chechko Alexandr:+
Apresyan Maria:We see you


Webinar 3.1. Gazprom on LNG market trends
ГАЗПРОМ
WHAT IS THE CARBON FOOTPRINT OF PIPELINE GAS AND LNG?
Greenhouse gas (GHG) intensity of natural gas imports to Central Europe (g CO_2-eq. / MJ)
16,9
14,9
23,6
6,3
Algeria LNG
Qatar LNG
U.S. LNG
Nord Stream 2
Production & Processing
Pipeline Transport
Purification
Liquefaction
LNG Transport
Regasification
KEY TAKEAWAYS
Pipelines are by far the most environmentally friendly means of large-scale gas transportation
Modern high-pressure pipelines, such as Nord Stream 2, are 2,4-3,8 times less GHG intensive as compared to LNG
Moreover, in case of Nord Stream 2 none of these GHG emissions take place in Europe, supporting EU's ambitious climate targets
10
Recorded with BigBlueButton
ВЭШ_ВиАк_2019 Karpenko Yulia:it's ok!
ВЭШ_ВиАк_2019 Weinzettel Daria:Thank you very much Irina!
ВЭШ_ВиАк_2019 Weinzettel Daria:Good morning!
ВЭШ_ВиАк_2019 Weinzettel Daria:YES
ВЭШ_ВиАк_2019 Parshin Sergei:Yes
ВЭШ_ВиАк_2019 Karpenko Yulia:+

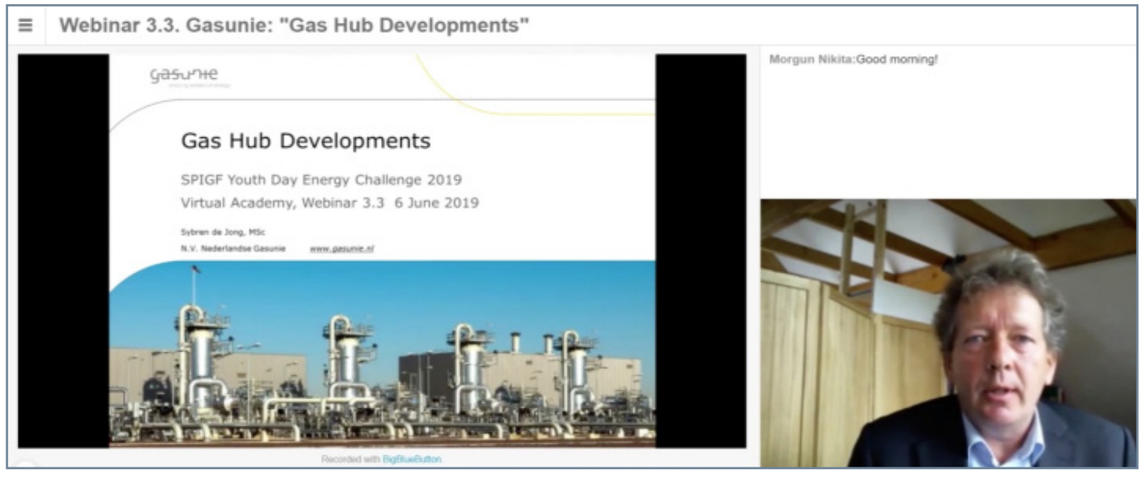

Webinar 4.3. "The role of gas in future mobility"
Contact
OMV Russia Upstream GmbH
Petrogradskaya Embankment 20
197046 St. Petersburg
jan.paul@omv.com
www.omv.com
www.omv.com/socialmedia
OMV Upstream
The energy for a better life.
OMV
Matveev Andrey:Are gas and hydrogen dangerous for consumers? What companies do to prevent any accidents?
Frerichs Christoph:Who and how is planning the infrastructure in Europe? Is there enough gas fuel infrastructure in Germany for example?
Frerichs Christoph:Thanks!
Petrova Olga:Thank you!


Webinar 3.1. Gazprom on LNG market trends
ГАЗПРОМ
LARGEST LNG IMPORTERS IN 2030
LNG IMPORTS BY MACRO-REGION: CURRENT STATUS AND PERSPECTIVES
SHARES OF SELECTED COUNTRIES IN TOTAL GLOBAL INCREMENTAL LNG IMPORTS (2019-2030), %
Traditional importers in Asia* 197 bcm
Other importers in Asia** 196 bcm
China 134 bcm
Europe 135 bcm
Others 90 bcm
– 1 %
+ 232 %
+ 77 %
+ 95 %
+ 139 %
India 9%
China 19%
Taiwan 5%
Malaysia 4%
Spain 4%
Singapore 3%
Egypt -1%
Republic of Korea -1%
Mexico -2%
Japan -5%
OVERALL:
+311 BCM
ВЭШ_ВиАк_2019 Karpenko Yulia:bad sound
ВЭШ_ВиАк_2019 Parshin Sergei:Irina, sound is still not good(
ВЭШ_ВиАк_2019 Parshin Sergei:Due to distance I think
ВЭШ_ВиАк_2019 Weinzettel Daria:yes
ВЭШ_ВиАк_2019 Parshin Sergei:better
ВЭШ_ВиАк_2019 Karpenko Yulia:it's ok!
Recorded with BigBlueButton


Webinar 3.2. VNG: "Midstreamers in European Gas Markets"
VNG
THANKS FOR YOUR ATTENTION!
Recorded with BigBlueButton


Webinar 2.3. Schneider Electric on strategy
ECOSTRUXURE
delivers business results
Life Is On Schneider Electric
ВЭШ_ВиАк_2019 Sokolov Anton:Yes. Loud and clear
ВЭШ_ВиАк_2019 Sokolov Anton:Good morning
Э-1806 Ларионов Кирилл Александрович:+
Ф-1848 Моргун Никита Владиславович:+
ВЭШ_ВиАк_2019 Pascal Thomas Fossi Tambo:Bonjour
Metelev Pavel:Everything is great, we can see the slides!
Bilgin Sergey:What do you think, is diversification is inevitable for traditional oil and gas companies? Or they can maintain their specialisation by optimising the core business?
ВЭШ_ВиАк_2019 Hamad Milad:thank you
ВЭШ_ВиАк_2019 Weinzettel Daria:thank you!
ВЭШ_ВиАк_2019 Pascal Thomas Fossi Tambo:bye
ВЭШ_ВиАк_2019 Shmeleva Elizaveta:thank you!
ВЭШ_ВиАк_2019 Parshin Sergei:Thank you!
ВЭШ_ВиАк_2019 Chechko Alexandr:thank you
ВЭШ_ВиАк_2019 Guo Mingyuan:thank you bye
ВЭШ_ВиАк_2019 Asangbe Etogo Noel:thank you++
Apresyan Maria:Do you work on any hydrogen project?
Ф-1848 Моргун Никита Владиславович:Do you have any gas and oil fields in your assets?
ВЭШ_ВиАк_2019 Chechko Alexandr:Russia has a very conservative energy market. What steps are most effective for industry digitisation?
ВЭШ_ВиАк_2019 Parshin Sergei:Can you tell how customer interaction happens?


Webinar 4.1. EDI "Will the role of hydrogen grow?"
Sharing the energy of knowledge
ENERGY DELTA INSTITUTE
Energy Business School
Will the role of hydrogen grow?
Catrinus J. Jepma
Youth Day of St. Petersburg International Gas Forum
13 June 2019
1
Recorded with BigBlueButton


Webinar 3.3. Gasunie: "Gas Hub Developments"
gasunie
Gas Hub Developments
SPIGF Youth Day Energy Challenge 2019
Virtual Academy, Webinar 3.3 6 June 2019
Sybren de Jong, MSc
N.V. Nederlandse Gasunie www.gasunie.nl
Morgun Nikita:Good morning!
Recorded with BigBlueButton

BEST STUDENTS' PROJECTS

Guillaume SCHNEEGANS
Sciences Po Paris (France)
Project: PROJECT E-XPAND - Electric and fuel cell cars have an insufficient range
Проект E-XPAND: модульная газовая микротурбина для подзарядки электромобилей

Although it is a significant obstacle to the adoption of electric vehicles by consumers, the insufficient range of EVs represents a problem only 4 times a year. Indeed, this is the average number of trips made by Europeans who travel.

The solution to this limited, occasional issue? A modular microturbine running on natural gas!

Compact, light, and simple, this equipment would be fixed on or behind the car and would recharge the battery on the road. Available for rent at the local dealership or auto repair shop, it would provide consumers with flexibility, reduced costs, as well as a greener solution than petroleum-based fuels.

Igor KAZAL
Vienna University of Economics and Business (Austria)
Graduate School of Management, St. Petersburg State University (Russia)
Project: Decentralized energy grid management – methods and a case study
Децентрализованное управление энергосистемами - методы и тематическое исследование

Idea: "How innovative technologies foster the transition to a decentralized energy environment"

In many parts of the world, questions arise about the future of energy consumption. Governments aim to reduce CO2 emissions, and renewable energy sources should help with that. Smart grids are rolled out globally and with the deployment of smart meters, large amounts of data about our consumption habits will be available. With this infrastructure, decentralized energy generation will be possible. Instead deriving electricity from central large power plants, which generate energy with coal, gas or nuclear power and transport it in the grid to the consumers, many smaller-scale producers and consumers with own energy production capabilities can exchange energy locally. To make the switch into decentralized distributed energy successful, innovative technologies such as artificial intelligence, big data analytics and blockchain must be used. Current projects demonstrate the potential to use energy more efficiently, reduce costs, limit waste and let consumers take an active part in the energy distribution.

Personally, I expect the industry of distributed energy resources to only grow faster in the future and significant investments are going to happen. Self-sufficient local energy communities and a higher share of renewable energy resources are benefits that the transition will bring to us.

ЛУЧШИЕ СТУДЕНЧЕСКИЕ ПРОЕКТЫ

James Robert MULLINS
University of Aberdeen (The United Kingdom)
Project: Towards Automatic Reservoir Modelling
К автоматическому моделированию резервуаров

Sedimentary facies are known to be key control on the distribution of spatial heterogeneity within reservoirs. Spatial distribution of heterogeneity and associated connectivity of reservoir quality facies is the end product of the complex interaction of sedimentation, erosion, burial, compaction and diagenesis over millions of years. This heterogeneity often exists below the resolution of conventional 3D seismic surveys. Therefore, accurate geological facies modelling is a critical step in the reservoir modelling workflow. Reservoir models are typically add value throughout the whole field life span, from appraisal, through production and forecasting to end of life and the decommissioning phase.

The population of traditional geocellular models are reliant on defining the geometry, size and directionality of facies proportions through the manual measurement of object dimensions or variograms from outcrop analogues. These models are typically limited by the quality of the available geological data and, as a result, many of the above variables cannot be sufficiently specified to accurately guide the modelling process in complex reservoirs. Multiple-point statistics (MPS) is a newer property modelling technique reliant on defining representative training images (TIs), a conceptual numerical description of the interpreted reservoir heterogeneity. TI development has historically been based on subjective criteria on a study-by-study basis.

Despite rapid advances in digital technology, traditional methods for collecting quantitative and qualitative information on sedimentary architecture from analogue systems are still reliant on field sketches, stratigraphic correlation or interpretation of photos or virtual outcrop models. While virtual outcrops address many problems previously faces with the three-dimensionality of outcrops, manual outcrop interpretation remains a fixed requirement to provide user-defined inputs for the construction of semi-deterministic reservoir models from outcrop exposures. Here, the application of a new range of techniques for the automatic extraction of large volumes of relevant quantitative and qualitative geostatistical information to drive more geologically accurate, representative and precise geostatistical reservoir modelling is presented for improved reservoir characterization and understanding. More geologically accurate, representative and fit-for purpose geostatistical reservoir models from the new generation of virtual outcrop datasets were produced.

Water flooding simulation indicates that the distribution of heterogeneity results in significant parts of moveable oil being trapped in un-swept areas and dead-ends, which is highly important for production activities in mature provinces undergoing enhanced oil recovery (EOR) and/or optimization and targeting of "small pools" to identify and predict bypassed zones of moveable oil that could be actively targeted and developed through re-completions, infill drilling and sidetracks.

YOUTH DAY
OCTOBER 1

WELCOME CEREMONY
TEAM BUILDING CONSTRUCTOR

The Youth Day 2019 was inaugurated by **Elena KASYAN** (Gazprom).

Then **Yana KLEMENTOVICHUS** (HES UNECON) thanked all participants from student and business community:

“ THIS YEAR WE HAVE PREPARED MANY SURPRISES AND A LOT OF OPPORTUNITIES FOR YOU TO ACT AS REAL PROFESSIONALS, YOUNG LEADERS AND FUTURE SUCCESSFUL EXECUTIVES, ENGINEERS AND SHAPERS OF GAS INDUSTRY.
IT IS VERY IMPORTANT FOR US THAT THIS YEAR THE LEADING ENERGY COMPANIES, MEMBERS OF IBC, PROVIDED THEIR PERSONAL FINANCIAL AND ORGANIZATIONAL SUPPORT TO THE PROJECT. YOU HAVE ALREADY HAD A CHANCE TO MEET THEIR REPRESENTATIVES AT THE VIRTUAL ACADEMY.
YOU ARE THE BEST PARTICIPANTS STANDING HERE. I CONGRATULATE YOU ONCE AGAIN AND WISH YOU PLEASANT AND FRUITFUL DAYS AT SPIGF!

The Interactive game #TeamBuildingConstructor opened the Youth Day 2019 program.

The participants, divided into teams, had to build a Goldberg machine. Each team constructed one segment. Then they had to connect all the parts and start a chain of the mechanism.

SENSATION!!! GUYS FROM 11 COUNTRIES HAVE SET A NEW RECORD!

The Youth Day participants managed to prove that they are the best of the best. Their machine worked at the first attempt! This was an incredible and unique result!

МОЛОДЕЖНЫЙ ДЕНЬ
1 ОКТЯБРЯ

ПРИВЕТСТВЕННАЯ ЦЕРЕМОНИЯ
ТИМБИЛДИНГ КОНСТРУКТОР

Старт Молодёжному дню 2019 дала **Елена КАСЬЯН** (Газпром):

“ РАДА ВИДЕТЬ МОЛОДЫЕ ЛИЦА С ИНТЕРЕСОМ И ИСКОРКОЙ В ГЛАЗАХ! МЫ ПОНИМАЕМ, ЧТО МОЛОДЕЖЬ – ЭТО БУДУЩЕЕ, ВЕДЬ ЗА НЕЙ – ОБЕСПЕЧЕНИЕ КОНКУРЕНТОСПОСОБНОСТИ КОМПАНИЙ. ЦИФРОВЫЕ И ВИРТУАЛЬНЫЕ ТЕХНОЛОГИИ АКТИВНО РАЗВИВАЮТСЯ, ОНИ НАШЛИ МЕСТО И В НАШЕМ ПРОЕКТЕ. НАДЕЮСЬ, ЧТО В РАМКАХ ПМГФ ВЫ УВИДИТЕ МНОЖЕСТВО ИНТЕРЕСНЫХ ТЕХНОЛОГИЧЕСКИХ РЕШЕНИЙ, ПОЛУЧИТЕ НОВЫЙ ОПЫТ В МЕЖДУНАРОДНЫХ КОММУНИКАЦИЯХ, ВОСПОЛЬЗУЕТЕСЬ УНИКАЛЬНОЙ ВОЗМОЖНОСТЬЮ НА «ВСТРЕЧЕ БЕЗ ГАЛСТУКОВ» ЗАДАТЬ ВОПРОСЫ ТОП-МЕНЕДЖЕРАМ МИРОВЫХ ЛИДЕРОВ ЭНЕРГЕТИЧЕСКОГО СЕКТОРА.

Также от лица организаторов выступила **Яна КЛЕМЕНТОВИЧУС** (ВЭШ СПбГЭУ) и поблагодарила участников и партнёров.

Первым мероприятием в программе Молодёжного дня стала интерактивная игра **#ТимбилдингКонструктор.**

Студентам, поделённым на команды, предстояло построить машину Голдберга. Каждая команда конструировала один сегмент, после чего нужно было соединить и запустить единую цепочку механизма.

СЕНСАЦИЯ!!! РЕБЯТА ИЗ 11 СТРАН ПОСТАВИЛИ НОВЫЙ РЕКОРД!

Участники Молодёжного дня сумели доказать, что они действительно лучшие из лучших. Их конструкция сработала с первой попытки! Это невероятный и уникальный результат!

Модератор Алексей БАРАНОВ (CONSTRUCTOR):

“ *ЧТО ОСОБЕННОГО БЫЛО СЕГОДНЯ:*

- СРАЗУ ВИДНО, ЧТО УЧАСТНИКИ ПРОШЛИ СЕРЬЕЗНЫЙ ОТБОР. УРОВЕНЬ ОСОЗНАННОСТИ, СТРЕМЛЕНИЕ К ЛИДЕРСТВУ, КАЧЕСТВО КОММУНИКАЦИИ - ВСЁ БЫЛО НА ВЫСОТЕ.

- ЯЗЫКОВОЙ БАРЬЕР И ТО, ЧТО ДО СЕГОДНЯШНЕГО ДНЯ РЕБЯТА БЫЛИ НЕЗНАКОМЫ, НЕ СТАЛИ ПРЕПЯТСТВИЕМ - ИГРА ПРОШЛА НЕВЕРОЯТНО ДРУЖЕЛЮБНО.

- СТРЕМЛЕНИЕ ПРОВЕСТИ «РАБОТУ НАД ОШИБКАМИ», ДАЖЕ КОГДА СТАЛИ ЛУЧШИМИ - ДОСТОЙНО ОТДЕЛЬНОГО УВАЖЕНИЯ!

YOUTH DAY OCTOBER 1

SPIGF EXHIBITION QUEST
“In Search for Collaboration”

It was a task-oriented game aimed at solving problems by interacting with exhibitors of SPIGF.

All participants were divided into six teams. Each of them had its own direction within an energy sector development strategy. The common task was to find companies that are ready to cooperate and develop a collaboration project.

During the first two hours the participants visited companies’ stands, talked to their representatives and collected the necessary information.

Within the next two hours, they had to develop cooperation projects and present them to the jury.

Such interactive activities are important for the development of the student’s potential as part of a visit to the Fas Forum.

The participants of the Youth Day had the opportunity not only to get acquainted with the companies exhibited at the forum, but also to discuss possible ways of development with their representatives. All the teams coped with the quest tasks at a very high level.

The event was aimed at developing professional and soft skills of the participants. During the quest students interacted with each other, openly discussed the various solutions to the tasks received, and had the opportunity to defend their point of view.

At the same time, there was an accumulation of knowledge, an exchange of experience and ideas. In addition, the uniqueness of this quest was that to solve problems the participants needed to apply elements of several interactive forms at once.

МОЛОДЕЖНЫЙ ДЕНЬ 1 ОКТЯБРЯ

КВЕСТ ПО ВЫСТАВКЕ ПМГФ
«В поисках сотрудничества»

Квест «В поисках сотрудничества» - это интерактивная поисковая игра, направленная на решение задачи путём взаимодействия с представителями компаний-экспонентов выставки ПМГФ.

Все участники были поделены на 6 команд. У каждой было своё направление в рамках стратегии развития энергетической отрасли. Общая задача – найти компании, которые готовы к сотрудничеству и разработать проект коллаборации между ними.

В течении первых двух часов участники посещали стенды, общались с представителями компаний и собирали необходимую информацию.

За следующие два часа они должны были разработать проекты коллаборации и презентовать их членам жюри.

Мероприятие было направлено на развитие профессиональных и личностных навыков участников. В процессе игры студенты взаимодействовали между собой, открыто обсуждали варианты решений получаемых заданий, имели возможность аргументировать свою точку зрения.

Одновременно происходило накопление знаний, обмен опытом, идеями и способами действий. Кроме того, уникальность данного квеста в том, что для решения задач необходимо было применить элементы сразу нескольких интерактивных форм.

Модератор Виталий СТЕЛЬМАШОНОК (СПбГЭУ):

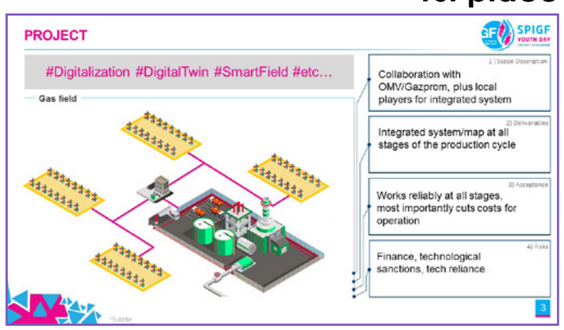
«ТАКИЕ ИНТЕРАКТИВНЫЕ МЕРОПРИЯТИЯ ЯВЛЯЮТСЯ ВАЖНЫМИ ДЛЯ РАЗВИТИЯ ПОТЕНЦИАЛА СТУДЕНТА В РАМКАХ ПОСЕЩЕНИЯ ГАЗОВОГО ФОРУМА. У УЧАСТНИКОВ МОЛОДЕЖНОГО ДНЯ БЫЛА ВОЗМОЖНОСТЬ НЕ ТОЛЬКО ПОЗНАКОМИТСЯ С КОМПАНИЯМИ, ПРЕДСТАВЛЕННЫМИ НА ФОРУМЕ, НО И ОБСУДИТЬ ВОЗМОЖНЫЕ ПУТИ РАЗВИТИЯ С ИХ ПРЕДСТАВИТЕЛЯМИ. СЧИТАЮ, ЧТО ВСЕ КОМАНДЫ СПРАВИЛИСЬ С ПОСТАВЛЕННЫМИ ЗАДАЧАМИ НА ВЫСОКОМ УРОВНЕ.

TEAMS' PRESENTATIONS

SPIGF EXHIBITION QUEST
"In Search for Collaboration"

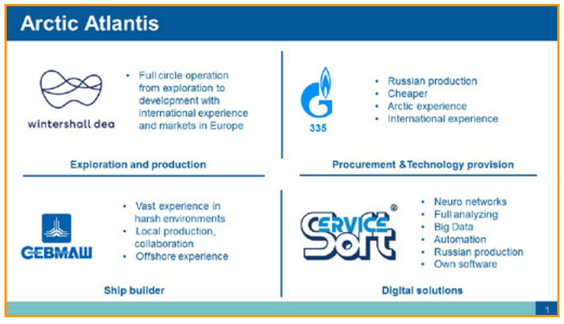
TEAM PURPLE

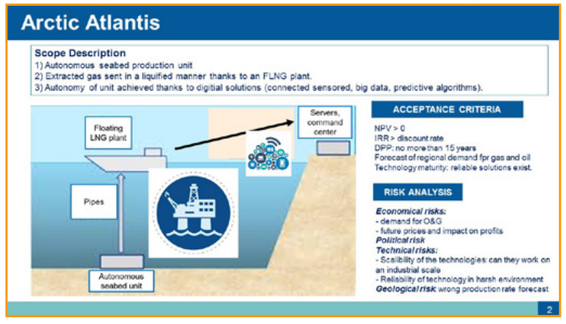
1st place



TEAM ORANGE

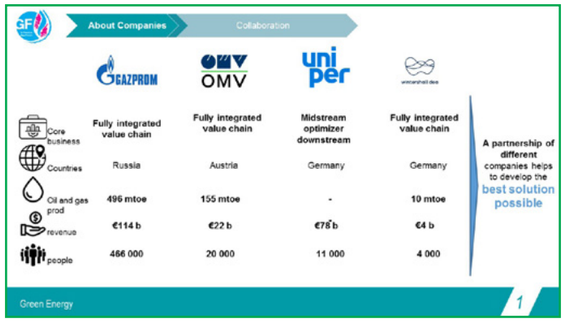
2nd place

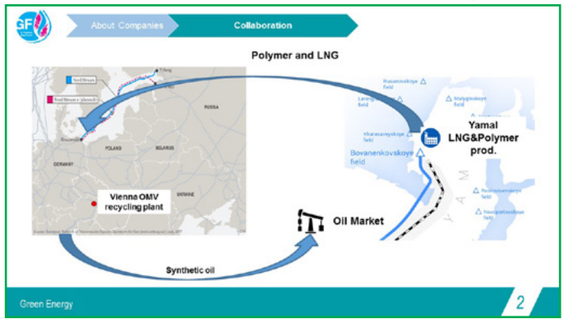




TEAM GREEN

3rd place



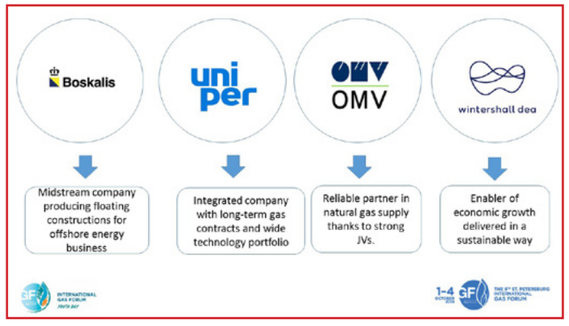


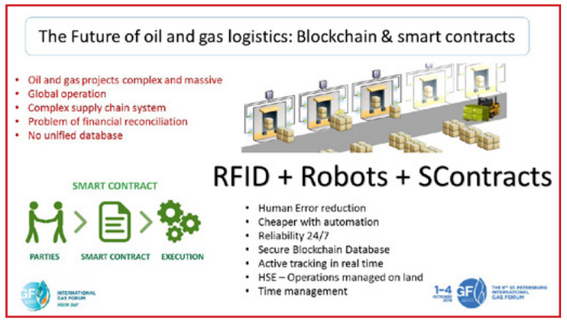
ПРЕЗЕНТАЦИИ КОМАНД

КВЕСТ ПО ВЫСТАВКЕ ПМГФ
«В поисках сотрудничества»

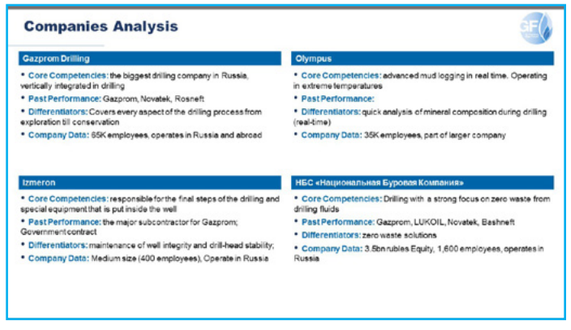
TEAM DARK BLUE

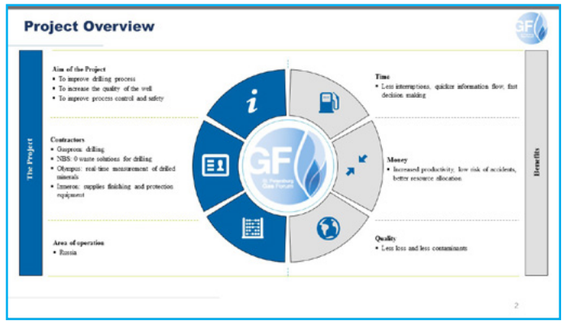
TEAM RED





TEAM LIGHT BLUE





YOUTH DAY OCTOBER 2

BUSINESS GAME “Charge the City”

On the second day there was the interactive business game “Charge the City”. All participants were divided into six international teams with representatives of technical and economic specializations in each.

The main task of the game was to come up with ways to provide energy to a large urban area. Experts from leading energy companies were in a room to help the teams.

Moderators Christoph BURGER (ESMT) & **Natalia SARAKHANOVA** (UNECON):

“ TEAMS LEARNED HOW TO MAKE THE RIGHT INVESTMENT DECISIONS IN A CHANGING WORLD AND HOW TO ASSESS THEIR POTENTIAL IMPACT. THE CONSIDERABLE AMOUNT OF DATA AT THE BEGINNING OF THE GAME AND ITS CHANGE IN THE PROCESS FORCED THE TEAMS TO REACT IN A FLEXIBLE MANNER TO THE CHANGING CONDITIONS. PARTICIPANTS HAD TO CONSIDER ECONOMIC, ENVIRONMENTAL AND SOCIAL ASPECTS.

The game lasted all day. The heated debates at the tables did not stop for a minute. In the course of the game conditions changed, which forced participants to closely follow the news and review the decisions.

In the middle of the day participants received information that hydrocarbon prices had fallen sharply. The volatility of the energy market required significant adjustments to investment strategies.

Then there was the news about changes in the cost of equipment and the emergence of new technologies in the market. The teams were maneuvering in search of a solution that would suit different stakeholders. And suddenly, the players faced a protest of the fierce wind power generation opponents.

Finally, all the teams presented their solutions to the problem. The jury acted as an “urban community”, which could approve or reject the ideas of young power engineers and economists.

The experts highly appreciated the training of the participants in the VA and their motivation, which allowed the participants to cope with the task, make the necessary calculations and present the solutions to the jury.

МОЛОДЕЖНЫЙ ДЕНЬ 2 ОКТЯБРЯ

БИЗНЕС-ИГРА «Заряди свой город»

Во второй день прошла интерактивная деловая игра «Заряди свой город». Все участники были поделены на шесть международных команд. В каждой были представители технических и экономических специальностей.

Команды учились принимать верные инвестиционные решения в условиях меняющегося мира и оценивать возможные последствия. Значительный объем данных в начале игры и их изменение в процессе заставляло команды реагировать на меняющиеся условия. Участникам пришлось учитывать экономические, экологические и социальные аспекты.

Основная задача игры – придумать способы обеспечения энергией крупного городского района.

На помощь командам были направлены эксперты от ведущих энергетических компаний.

Игра длилась весь день. Жаркие споры за столами не утихали ни на минуту. В процессе условия задания менялись, что заставляло участников внимательно следить за новостями и пересматривать решения.

В середине дня студенты получили информацию, что цены на углеводороды резко упали. Меняющийся рынок энергоресурсов потребовал существенно скорректировать инвестиционные стратегии. Затем пришли новости об изменении стоимости оборудования, появлении на рынке новых технологий. Команды маневрировали в поисках решения, которое бы устраивало различных стейкхолдеров. В этот момент игроки столкнулись с протестным выступлением яростных противников ветряной генерации.

В финале все команды представили решения поставленной задачи. Жюри выступало в роли «городской общественности», которая могла одобрить представленные идеи молодых энергетиков или отклонить их.

Модераторы Роб ВЕЕРСМА (Газпром Интернешнл Трейдинг) и **Павел МЕТЕЛЁВ** (ВЭШ СПбГЭУ):

« ЭКСПЕРТЫ ВЫСОКО ОЦЕНИЛИ ПОДГОТОВКУ УЧАСТНИКОВ В РАМКАХ ВИРТУАЛЬНОЙ АКАДЕМИИ И ИХ МОТИВАЦИЮ, КОТОРЫЕ ПОЗВОЛИЛИ УЧАСТНИКАМ СПРАВИТЬСЯ С ЗАДАНИЕМ, ОСУЩЕСТВИТЬ НЕОБХОДИМЫЕ РАСЧЕТЫ И ПРЕДСТАВИТЬ РЕШЕНИЯ ЖЮРИ.

EXPERTS & JURY

BUSINESS GAME
“Charge the City”

The teams’ assistance and support were providedby the partner companies’ **EXPERTS**:

Julia BOERMANN
Wintershall Dea

Dietrich JOCHIM
VNG Handel & Vertrieb

Alexey KOSHELETS
Gazprom

Irina KUZNETSOVA
Schneider Electric

Jan PAUL
OMV Russia Upstream

Konstantin ROMANOV
Gazprom

Grigory SHEVCHENKO
Uniper Global Commodities

The teams solutions were examined by **JURY** represented by senior managers of partner companies:

Britta van BOVEN
Gasunie

Lars DRAGE
OMV Russia Upstream

Margarita HOFFMANN
Wintershall Dea

Marcel KRAMER
Energy Delta Institute

Maxim NEDZVETSKY
Gazprom VNIIGAZ

Olga ORLOVA
UNECON

Detlef WESSLING
Uniper Global Commodities

ЭКСПЕРТЫ И ЖЮРИ

БИЗНЕС-ИГРА
«Заряди свой город»

В помощь командам были приглашены **ЭКСПЕРТЫ** из компаний-партнёров.

Решения команд оценивало **ЖЮРИ**, состоящее из руководителей среднего и высшего звена компаний-партнёров.

THE WINNERS
Победители

Elnur BAKHTIIAROV
Saint-Petersburg Mining University (Russia)

Illarion DARSAVELIDZE
National Research University – Higher School of Economics (Russia)

Sofia DENISOVA
MGIMO-University (Russia)

Ilona DOTSENKO
Graduate School of Management, Saint-Petersburg State University (Russia)

Oleg KONDRATEV
North-Eastern Federal University in Yakutsk (Russia)

Abayomi KOYEJO
Skolkovo Institute of Science and Technology (Russia)

Valeriy MAKARENKO
Ukhta State Technical University (Russia)

Albert SALIMGARAEV
Gubkin Russian State University of Oil and Gas (Russia)

Dmitry YUKHNO
Polotsk State University (Belarus)

YOUTH DAY OCTOBER 3

OFFICIAL GREETINGS
Top 7 participants award

The Youth Day 3rd event was inaugurated by **Sergey KHOMIAKOV** (Gazprom).

He also awarded 7 best participants of the Youth Day 2019 project with certificates of honor.

Guillaume SCHNEEGANS
Sciences Po Paris (France)

James Robert MULLINS
University of Aberdeen (The UK)

Elizaveta SHMELEVA
Bauman Moscow State Technical University (Russia)

Bulat MINNIKHAZIEV
Almetyevsk State Oil Institute (Russia)

Ilona DOTSENKO
Graduate School of Management, Saint-Petersburg State University (Russia)

Abayomi KOYEJO
Skolkovo Institute of Science and Technology (Russia)

Sergei PARSHIN
Bauman Moscow State Technical University (Russia)

МОЛОДЕЖНЫЙ ДЕНЬ 3 ОКТЯБРЯ

ОФИЦИАЛЬНОЕ ПРИВЕТСТВИЕ
Награждение топ-7 участников

Третий день Молодёжного дня открыл **Сергей ХОМЯКОВ** (ПАО «Газпром»):

«ЗА 4 ГОДА РАБОТЫ ЧЕРЕЗ МОЛОДЁЖНЫЙ ДЕНЬ ПРОШЛО БОЛЕЕ 800 СТУДЕНТОВ. МНОГИЕ УЖЕ РАБОТАЮТ В КОМПАНИЯХ, КОТОРЫЕ ЗДЕСЬ ПРЕДСТАВЛЕНЫ. ТАК ЧТО БУДУЩЕЕ - ЭТО ВЫ. ВАМ РЕШАТЬ, КАК БУДЕТ ВЫГЛЯДЕТЬ ЭНЕРГЕТИЧЕСКАЯ ОТРАСЛЬ ЧЕРЕЗ 10, 20, 30 ЛЕТ И ДАЛЬШЕ. УДАЧИ!

Сергей Хомяков также наградил почётными грамотами 7 лучших участников проекта Молодёжный день 2019 года.

YOUTH DAY OCTOBER 3

OFF-TIE MEETING WITH EXECUTIVES OF ENERGY COMPANIES "How to Be Competitive in 2029 and Beyond?"

The Off-tie Meeting was opened by welcome speeches from the **EXECUTIVES** on the stage:

Elena BURMISTROVA
Gazprom Export

Cederic CREMERS
Shell Russia

Han FENNEMA
Gasunie

Mario MEHREN
Wintershall Dea

Andreas SCHIERENBECK
Uniper

Rainer SEELE
OMV

The speakers introduced themselves and answered the following question **"What happened in energy industry during this year after our last meeting that could potentially change the long-term strategy of your company?"**

Then the executives came down and joined one team each. For 15 minutes they discussed various topics with students.

Together they tried to solve important dilemmas that energy industry faces:

1. **Energy Transition**
2. **Digitalization**
3. **War for Talents**
4. **Environmental Concerns**
5. **Global Energy Demand and Supply**
6. **EU Security Of Gas Supply**

All the dilemmas were united by the key topic of the Meeting: **"What steps should companies take right now to be competitive in 2029 and beyond?"**

Then each team made a short presentation on its dilemma, receiving comments and questions from speakers and other participants.

Moderators Rob VEERSMA (Gazprom International Training) & **Pavel METELEV** (UNECON):

"THIS YEAR THE STUDENTS WERE SMART AND CREATIVE, REALLY CLEVER COOKIES IN THE TEAMS. THEY APPRECIATED THE INTERACTIVE APPROACH WITH EXECS COMING TO THEIR TABLE. THE CHOSEN TOPICS TO BE DISCUSSED WERE INTERESTING FOR BOTH PARTIES.

A special support to the Youth Day was provided by **Igor MAKSIMTSEV** (UNECON), at the end of the Meeting. On behalf of the organizers, he thanked all participants and partners of the project.

МОЛОДЕЖНЫЙ ДЕНЬ 3 ОКТЯБРЯ

ВСТРЕЧА БЕЗ ГАЛСТУКОВ С CEO ЭНЕРГЕТИЧЕСКИХ КОМПАНИЙ «Как быть конкурентоспособным в 2029 году и дальше?»

Встреча без галстуков началась с выступления спикеров. Каждый представился и коротко ответил на вопрос: **«Что нового произошло в энергетике за год, и что потенциально может изменить долгосрочную стратегию компании?»**

Затем спикеры спустились в зал. Каждый присоединился к одной из студенческих команд, где в течение 15 минут они обсуждали различные темы, пытаясь решить важные для отрасли дилеммы:

1. **Энергетический переход**
2. **Цифровизация**
3. **Война за таланты**
4. **Экологические угрозы**
5. **Глобальное потребление и снабжение энергией**
6. **Обеспечение безопасности поставок газа в ЕС**

Все дилеммы были объединены ключевой проблематикой Встречи: **«Какие шаги должны предпринять компании сегодня, чтобы быть конкурентоспособными в 2029 году и дальше»?**

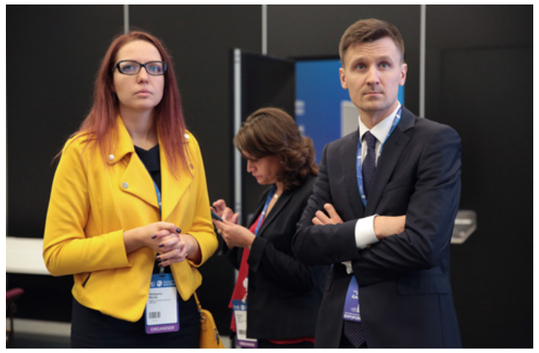
Затем каждая команда выступала с короткой презентацией по своей дилемме, получая комментарии и вопросы от спикеров и от других участников.

В заключении от лица организаторов с благодарственной речью ко всем участникам и партнёрам Молодёжного дня выступил **Игорь МАКСИМЦЕВ** (СПбГЭУ):

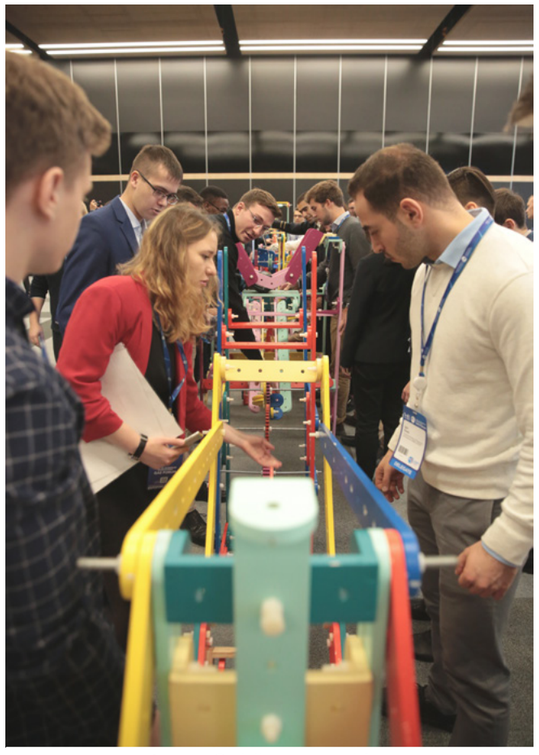
«ВСЕ ПЯТЬ ЛЕТ МЫ ОЩУЩАЕМ МОЩНУЮ ОРГАНИЗАЦИОННУЮ, ЭКСПЕРТНУЮ И ФИНАНСОВУЮ ПОДДЕРЖКУ СО СТОРОНЫ КОМПАНИЙ ПАРТНЁРОВ. ВАШЕ ЖЕЛАНИЕ ДЕЛИТЬСЯ ЗНАНИЯМИ И ОПЫТОМ С МОЛОДЫМ ПОКОЛЕНИЕМ ОЧЕНЬ ВАЖНО И ДЛЯ УЧАСТНИКОВ, И ДЛЯ РАЗВИТИЯ ОТРАСЛИ В ЦЕЛОМ. ЕЩЁ РАЗ ХОЧУ ПОБЛАГОДАРИТЬ ВСЕХ УЧАСТНИКОВ, ПАРТНЁРОВ И ОРГАНИЗАТОРОВ! БУДЕМ ЖДАТЬ НОВОСТЕЙ О ПРОФЕССИОНАЛЬНЫХ УСПЕХАХ СТУДЕНТОВ.

Day 1. Elena Kasyan's welcome speech

Day 1. Yana Klementovichus's welcome speech



Day 1. Organizers of the Youth Day 2019



Day 1. Goldberg machine

Day 1. #TeambuildingConstructor

Day 1. Future leader of gas industry

Day 1. Interview during SPIGF exhibition QUEST

Day 2. Protest of wind power generation opponents

Day 2. "Be energetic, be youthful!"

Day 2. Teams at work

Day 2. Expert support at Business game

Day 3. Ties-off moment

Day 3. Audience at the Off-tie Meeting

Day 3. Igor Maksimtsev's greetings speech

ENERGY CHALLENGE PARTICIPANTS

Alina AKHMEDOVA
M.Sc. Oil field development
Saint-Petersburg Mining University (Russia)
Project: Use of APG for local power generation at hard-to-reach oil fields.

Sergey BEGISHEV
M.Sc. Governance of Science, Technology and Innovation
National Research University – Higher School of Economics (Russia)
Project: Energy technology radar: industry 4.0.

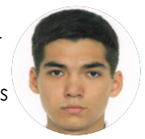
Noel ASANGBE ETOGO
B.Sc. Oil and Gas engineering
North Caucasian Institute of Mining and Metallurgy (Russia)
Project: Power grid system integration of machine learning software (ML) for energy distribution and supply optimization in developing economies.

Benedikt BEHR
M.Sc. Business Innovation
University of St. Gallen (Switzerland)
Graduate School of Management, Saint-Petersburg State University (Russia)
Project: Power Ledger – Understanding the activities of stakeholders in decentralized energy production systems.

Zein ALABDIN AYOUB
M.Sc. Science in Engineering
Polotsk State University (Belarus)
Project: Formulating computer models reducing the cost of rectification processes.

Roberto BELGIOVINE
International Master's in Business Administration
Business School LUISS Guido Carli (Italy)
Graduate School of Management, Saint-Petersburg State University (Russia)
Project: BIOLUXURY – Promote the usage of biofuel within luxury automotive industry.

Talish BABAYEV
M.Sc. Controlling and Risk management
University of Siegen (Germany)
Project: FALCON – Floating power-to-gas plant – green gas.



Dmitrii BELOV
M.Sc. Pipeline Transportation of Hydrocarbons
Saint-Petersburg Mining University (Russia)
Project: Use of secondary energy resources of gas transportation system.

Elnur BAKHTIIAROV
M.Sc. Petroleum engineering
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Project: The justification of the comprehensive approach to enhanced oil recovery in a context of Western Siberia.

Vitaliy BOBROV
PhD. Economics
Saint-Petersburg State University of Economics (Russia)
Project: Device for reducing the rate of corrosion of gas pipelines.

УЧАСТНИКИ ЭНЕРГЕТИЧЕСКОГО ЧЕЛЛЕНДЖА

Alexandr CHECHKO
M.Sc. Electric Power Plants and Power System Automation
Peter the Great Saint-Petersburg Polytechnic University (Russia)
Project: Development of a power supply layout for the Konitlorskoe oil field.

Mikhail DOLGALEV
M.Sc. Reliability of gas and oil pipelines
Tomsk Polytechnic University (Russia)
Project: The study of the stress-strain state of bellows expansion joints in oil pipelines.

Mateusz CIASNOCHA
M.Sc. Energy Management
ESCP Europe Business School (The United Kingdom)
Project: Bringing Nigerian rural poor out of poverty through small-scale biogas.

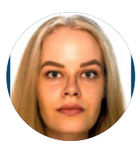
Ilona DOTSENKO
M.Sc. Management
Graduate School of Management, Saint-Petersburg State University (Russia)
Project: Charging a Housing Complex: All-in-one solution for residential construction of the future.

Júlia CSÁVÁS
M.Sc. Enterprise development
Corvinus University of Budapest (Hungary)
Graduate School of Management, Saint-Petersburg State University (Russia)
Project: MyWay - Car-sharing application.

Ilia EGOROV
M.Sc. Geology and Geochemistry of Oil and Gas
Lomonosov Moscow State University (Russia)
Project: Archive seismic data interpretation for increase the success of exploration.

Illarion DARSAVELIDZE
PhD. Economics
National Research University – Higher School of Economics (Russia)
Project: Impact of Industry 4.0 on energy market.

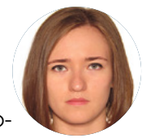
Runtian FENG
M.Sc. Business Administration – Energy and Finance
University of Duisburg – Essen (Germany)
Project: Forecasting Chinese Gas Demand: A Multi-perspective Analysis.



Sofia DENISOVA
M.Sc. International Politics and Transnational Business
MGIMO University (Russia)
Project: Digital business models and digital transformation in energy industry.

Pascal Thomas FOSSI TAMBO
B.Sc. Petroleum Engineering
North Caucasian Institute of Mining and Metallurgy (Russia)
Project: Africa, a green Powerhouse (Solar + Hydrogen).

Daniel Nicolas FRANCK
B.Sc. Petroleum and Gas Engineering
Bolivian Private University (Bolivia)
Project: General Analysis of Small-Scale Biogas plants for Rural Households in Sub-Saharan Africa.



Elizaveta IAMSHCHIKOVA
M.Sc. Petroleum Engineering
Skolkovo Institute of Science and Technology (Russia)
Project: Renewables unit for energy supply of gas production facility.

Takhir GALLYAMOV
M.Sc. Pipeline transportation of hydrocarbons
Saint-Petersburg Mining University (Russia)
Project: Parameters ensuring resource saving of hydracarbons during the vertical stock tank operation and development of measures to reduce oil losses from evaporation in the Tank Field OF CPF No. 7, Priobskoye field.

Gennady IVANOV
M.Sc. Construction
Ukhta State Technical University (Russia)
Project: The use of waste sludge in the production of concrete.

Anastasia GLUOKSNIS
Sp-st. Design of aircraft and rocket engines
Bauman Moscow State Technical University (Russia)
Project: Spherical dimples application as the way to improve efficiency of natural gas air coolers.

Chenyang JI
M.Sc. Industrial Economics
Renmin University of China (China)
Project: Gas or electricity? Evidence from clean energy reform in rural areas of Northern China.

MingYuan GUO
M.Sc. Energy Technology
Peter the Great Saint-Petersburg Polytechnic University (Russia)
Project: Air separation process based on LNG cold energy utilization.

Vadim KABIROV
M.Sc. Chemical Engineering
Saint-Petersburg Mining University (Russia)
Project: Computer quantum-mechanical modeling for the scientific substantiation of energy-saving technology of obtaining antifriction and anti-corrosion additives.

Alexander HOFFER
M.Sc. Strategy, Innovation and Management Control
Vienna University of Business and Economics (Austria)
Graduate School of Management, Saint-Petersburg State University (Russia)
Project: Chinese investment strategies in the European renewable energy sector.

Igor KAZAL
M.Sc. Strategy, Innovation and Management Control
Vienna University of Economics and Business (Austria)
Graduate School of Management, Saint-Petersburg State University (Russia)
Project: Decentralized energy grid management – methods and a case study.

Roman KHROMCHENKO
M.Sc. Organization Development Management
Saint-Petersburg State University (Russia)
Project: Economic model of raw materials export: opportunities, limitations and Russian experience.

Danil KULIKOV
M.Sc. International economics
Saint-Petersburg State University of Economics (Russia)
Project: Technical and economic model of natural gas decarbonization: international aspect.

Oksana KLIMENKO
M.Sc. Energy Management
ESCP Europe (The United Kingdom)
Project: Solar PV Panels Recycling – Recycling solar panels to mitigate their end-of-life contaminating effect.

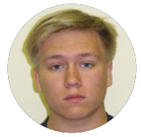
Kirill LARIONOV
B.Sc. Finance and credit
Saint-Petersburg State University of Economics (Russia)
Project: Synthesis gas production: traditional and alternative ways.

Oleg KONDRATEV
M.Sc. Economics of enterprises and organizations in the oil and gas industry
Ammosov North-Eastern Federal University (Russia)
Project: Condition and prospects of extraction coalbed methane in the world.

Edouard LOTZ
M.Sc. Energy management
ESCP Europe Business School (The United Kingdom)
Project: M&A automation platform in the energy sector.

Abayomi KOYEJO
M.Sc. Petroleum Engineering
Skolkovo Institute of Science and Technology (Russia)
Project: Application of CO_2 gas in enhanced oil recovery of heavy oil reservoir.

Valeriy MAKARENKO
PhD. Design and exploitation of oil and gas pipelines
Ukhta State Technical University (Russia)
Project: Utilization of associated petroleum gas at oil production facilities located on Russian Far East for the generation of heat, electricity, and synthetic liquid fuel.



Dmitriy KOZLOV
M.Sc. Economics, Energy Policy, Integration and Energy Security
Gubkin Russian State University of Oil and Gas (Russia)
Project: Energy cooperation between India and Russia. Challenges and opportunities.

Andrey MARAKULIN
M.Sc. Conceptual petroleum engineering
Tyumen State University (Russia)
Project: Condensate banking effect in Achimov formation of the Urengoy field.

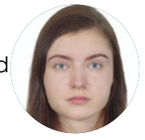
Yana MARTYNENKO
M.Sc. Pipeline transportation of hydrocarbons
Saint-Petersburg Mining University (Russia)
Project: Reduce energy consumption and LNG losses during the discharge of vapors from the cryogenic tank by using a liquid-gas ejector.

Sergei PARSHIN
M.Sc. Cryogenic engineering
Bauman Moscow State Technical University (Russia)
Project: Russian case: Associated petroleum gas processing into products.

Vsevolod MIKHAYLOV
M.Sc. Management
Graduate School of Management, Saint-Petersburg State University (Russia)
Project: CO2 emissions reporting and corporate financial performance in oil and gas industry.

Artem POPADKO
M.Sc. Energy policy, integration and energy security
Gubkin Russian State University of Oil and Gas (Russia)
Project: Place of natural gas in Germany's low-carbon energy strategy.

Bulat MINNIKHAZIEV
M.Sc. Operation and maintenance of transport and storage facilities for oil and gas
Almetyevsk State Oil Institute (Russia)
Project: Use of turbine expanders for the realization of the compressed energy gas at the gas-distributing station.



Anastasiia RUBANOVA
M.Sc. Technology-oriented management
Saint-Petersburg State University of Economics (Russia)
Project: Russian Special Investment Contract.

Konstantin MOLCHANOV
PhD. Project Portfolio Management
Saint-Petersburg Mining University (Russia)
Project: Building portfolio flexibility of oil and gas companies in exploration and production sector.

Albert SALIMGARAEV
PhD. Petroleum Engineering
Gubkin Russian State University of Oil and Gas (Russia)
Project: Selection of wells candidates for hydraulic fracturing.

James Robert MULLINS
PhD. Geology and Petroleum Geology
University of Aberdeen (The United Kingdom)
Project: Towards Automatic Reservoir Modelling.

Guillaume SCHNEEGANS
M.Sc. International energy Sciences Po Paris (France)
Project: PROJECT E-XPAND - Electric and fuel cell cars have an insufficient range.

Elizaveta SHMELEVA
M.Sc. Refrigeration equipment and technologies
Bauman Moscow State Technical University (Russia)
Project: Analysis of the suitability of liquid air energy storages for the energy systems.

Daria WEINZETTEL
M.Sc. International Energy
Sciences Po Paris (France)
Project: The impact of geopolitics on the gas industry. Russia and US geopolitics in the European gas market.

Anton SOKOLOV
M.Sc. Offshore Deep Oil and Gas Wells Drilling
Ufa State Petroleum Technological University (Russia)
Project: VARIO Concept - Transportation platform and service for infrastructurally challenging O&G projects.

Han XIAO
PhD. Economics
Renmin University of China (China)
Project: New investment chances of clean energy—poverty-alleviation photovoltaic station.

Alina TAKHAUTDINOVA
M.Sc. Polymer Processing Technologies and Composite Materials
Kazan National Research Technological University (Russia)
Project: Acoustic emission (AE) testing. Application of AE method in the oil and gas industry.

Dmitry YUKHNO
M.Sc. Chemical technology of fuels and high-energy substances
Polotsk State University (Belarus)
Project: Natural gas as a fuel for industrial and transport enterprises in large cities.

Max Jizhou TANG
M.Sc. Energy Management
ESCP Europe Business School (The United Kingdom)
Project: The shale revolution and the fundamental shift in pricing of LNG: a new wave of M&As in the midstream natural gas sector.

Rodrigo David ZEBALLOS ESPINOZA
B.Sc. Petroleum and Natural Gas Engineering
Bolivian Private University (Bolivia)
Project: Production of biodiesel from different seeds that can be found in the Andean region of Bolivia.

Vincenzo Paolo TRIPODI
International Master's in Business Administration
Business School LUISS Guido Carli (Italy)
Graduate School of Management, Saint-Petersburg State University (Russia)
Project: Effects of climate change and possible alternative solutions.

BUSINESS PARTICIPANTS

Sergey KHOMIAKOV
Deputy Chairman of the Management Committee, PJSC Gazprom
Welcome speech

Han FENNEMA
Chairman of the Executive Board and Chief Executive Officer, N.V. Nederlandse Gasunie
Speaker

Andreas SCHIERENBECK
Chief Executive Officer, Uniper SE
Speaker

Elena Burmistrova
Deputy Chairman of the Management Committee, PJSC Gazprom
Speaker

Elena KASYAN
Head of Department, PJSC Gazprom
Welcome speech

Britta van BOVEN
Director Strategy and Gas Business Development, Head of Representation in Russia, N.V. Nederlandse Gasunie
Jury

Margarita HOFFMANN
Senior Vice President, Business Unit Midstream, Wintershall Dea GmbH
Jury

Igor MAKSIMTSEV
Rector, St. Petersburg State University of Economics
Greetings speech

Mario MEHREN
Chairman of the Board and Chief Executive Officer, Wintershall Dea GmbH
Speaker

Thomas MORRIS
Senior Vice President, OMV Russia Upstream GmbH
Speaker

Cederic CREMERS
President and Country Chair, Shell Russia
Speaker

Yana KLEMENTOVICHUS
Director, Higher Economic School of UNECON
Welcome speech

Lars DRAGE
Head of Exploration, Development and Production, OMV Russia Upstream GmbH
Jury

Marcel KRAMER
President, Energy Delta Institute
Jury

УЧАСТНИКИ ОТ ОРГАНИЗАЦИЙ

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Detlef WESSLING
Head of technical cooperation, Uniper Global Commodities SE
Jury

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Expert

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Expert

Konstantin ROMANOV
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Expert

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Deputy Director, Higher Economic School of UNECON
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Senior Lecturer, European School of Management and Technology
Moderator

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Team Coach, CEO, CONSTRUCTOR TeamBuilding
Moderator

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Executive Director, Endowment Fund of UNECON
Jury

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Expert

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Head of Division (Strategy), PJSC Gazprom
Expert

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Chief Scientist and Technology Manager, OMV Russia Upstream GmbH
Expert

Grigory SHEVCHENKO
Business Development Manager, Uniper Global Commodities SE
Expert

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Director Training & Development, Gazprom International Training B.V.
Moderator

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Scientific Researcher, Higher Economic School of UNECON
Moderator

Vitaliy STELMASHONOK
Program Director, Higher Economic School of UNECON
Moderator

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Deputy Chairman of the Management Committee, PJSC Gazprom

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Head of Department, PJSC Gazprom

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Marcel KRAMER
President, Energy Delta Institute

Igor MAKSIMTSEV
Rector, St. Petersburg State University of Economics

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Senior Vice President, Business Unit Midstream, Wintershall Dea GmbH

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Ekaterina KRAVETSKAYA
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Program Director, Higher Economic School of UNECON

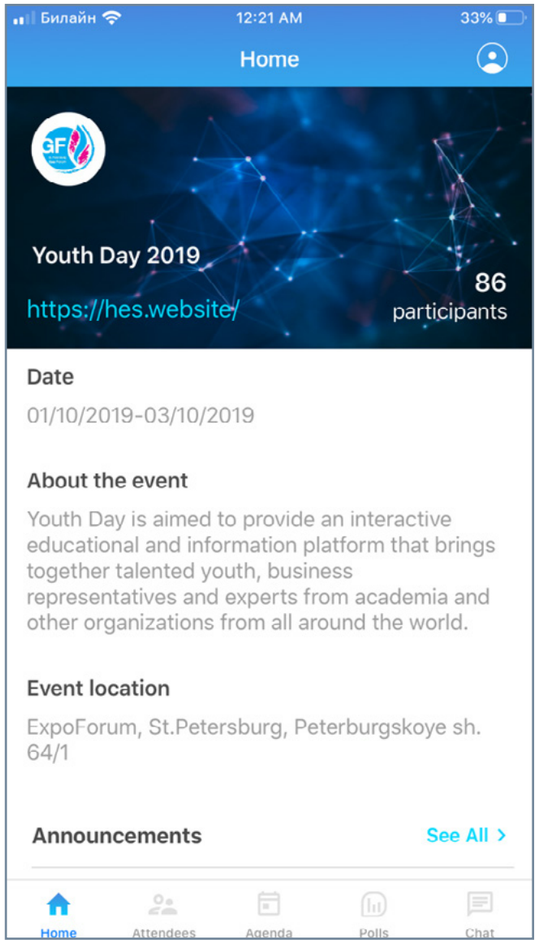
Nikita MORGUN
Project Manager, Higher Economic School of UNECON

Tatiana URZHUMTSEVA
Director of Asia-Pacific Center, UNECON

YOUTH DAY IN WEB

The Youth Day project is presented in the web on the following resources:

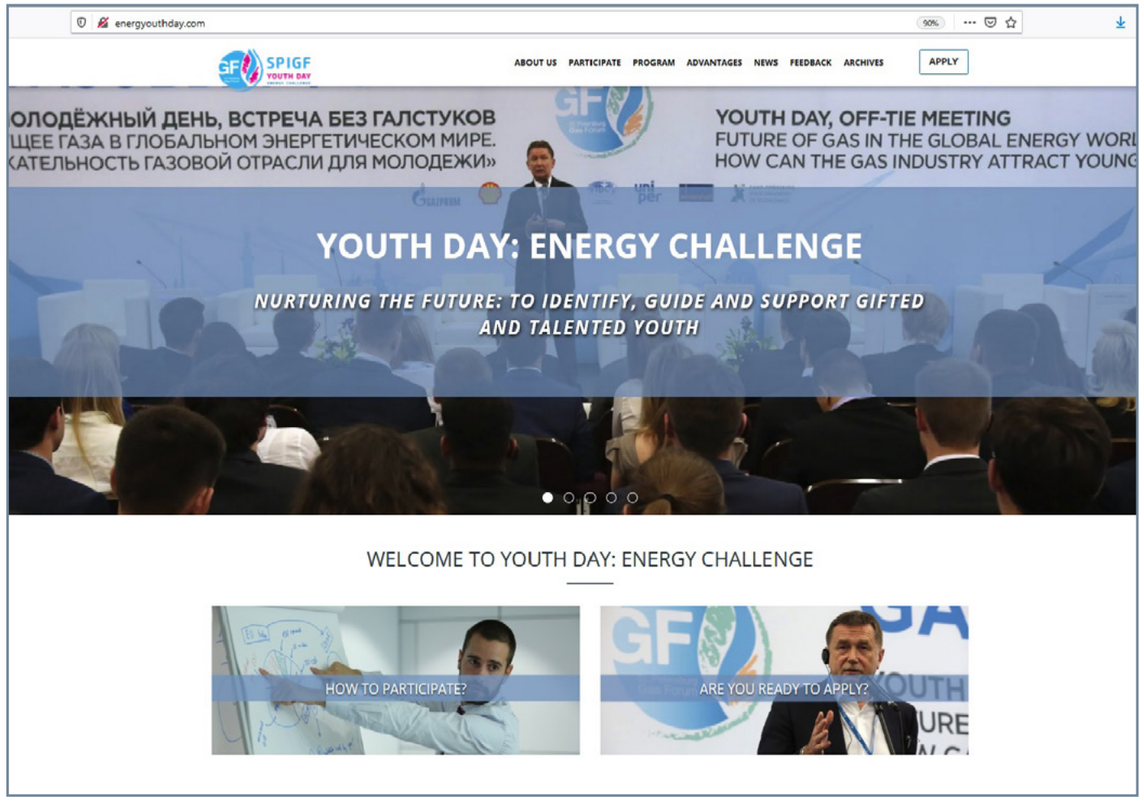
1. **Virtual Academy based on UNECON educational platform Moodle**
2. **Application HES EVENTS**
3. **Social networks**
4. **Youth Day page at SPIGF website** https://gas-forum.ru/youth-day
5. **Website:** www.energyouthday.com



МОЛОДЕЖНЫЙ ДЕНЬ В СЕТИ

Проект Молодёжный день представлен в сети на следующих ресурсах:

1. **Виртуальная академия на учебной платформа Moodle от СПбГЭУ**
2. **Мобильное приложение HES EVENTS**
3. **Социальные сети**
4. **О Молодёжном дне на сайте ПМГФ** https://gas-forum.ru/youth-day
5. **Веб-сайт:** www.energyouthday.com



PARTICIPANTS' FEEDBACK

Ilona DOTSENKO

Everyone, i just wanted to tell you how amazing you all are, keep the fire in your hearts and hope we see each other again some day - the oil and gas world is indeed small! If you ever go to sakhalin or work for exxonmobil or go to gsom master program, contact me without hesitation. Stay in touch, will be happy to see you all. Thanks again to the organizers, very high-quality event!

Anton SOKOLOV

Fellows! It was such a pleasure to work alongside you these 3 days. I believe we have learnt a lot from each other and this network we've started building during the Youth Day should definitely be leveraged! Let's keep in touch and don't lose contact with each other. Looking forward to meeting you someday.

Anastasia RUBANOVA

I just wanted to thank you all for such a marvelous event. It was really a great pleasure to play games with you and see how curious and smart you all are. Hope we can meet some day again:)
you can always contact me.

Sergey PARSHIN

It was exciting to be with all of you and caught some new from you! I am pretty sure, energy forum was so full of life thanks to you open heart and radiant eyes! I would like to wish you joy and challenging tasks!

If you are interested in cryogenics, gas processing, hydrogen, digital... In Russia for tourism or something other one have no hesitate to write me. Be energetic, be youth:-)

Alina AKHMEDOVA

Dear guys, I also want to thank all of you for the great time during these days, you are really incredible people and working and chatting with you was absolutely a pleasure. So if any of you ever go to saint p again just for tourism, contact me. Hope to see you!

Danil KULIKOV

I am really glad to work with you all during this three days! For me as for kinda novice at energetics it is really an honor to meet all of you ;)
you can contact me. Currently I'm interested in hydrogen solutions, especially in international aspect, so I'd like to collaborate in projects about this topics. Hope to see you next year!

Edouard LOTZ

I would like to thank you all, organizers or students attending the forum, we have had very interesting talks and it was really nice meeting you all and sharing our point of view on the energy sector or on many other subjects. I wish you all a successful career, and hope to see some of you in the future :)

ОТЗЫВЫ УЧАСТНИКОВ

Sofia DENISOVA

Dear friends, I am so lucky and happy that at this forum I have met the most talented and ambitious young people from all other the world that share interests and values! I hope we stay in touch, will cooperate and work for a better energy (and not only) future of our countries and foster international cooperation! A special thank you and lots of love goes to deep purple and full charge!

If you are interested in digitalization, innovations or business models, and want to conduct joint research, please contact me or exchange ideas!!

Nikolas FRANCK

I thank you for all, if you have any interest in oil and gas sector in South America, please contact me for more info or i can address you to better sources as well as Spanish translation. Pay attention to full scale shale development, especially in Argentina. This will disrupt many markets.

MingYuan GUO

I`m so appreciated to be a member of Youth Day team. This experience will be one of wonderful memories in my life. I met lots of excellent guys who own amazing talent, not only in the field of energy finance, but also in the field of creativities and leadership skills. I hope we can meet each us again in the future in Russia, china or any other countries.

Pascal Thomas FOSSI TAMBO

I'd like to thank you all for this absolutely fantastic event, both the organizers and the participants. It was thrilling, challenging and so instructive to exchange with you guys. Hope to see you guys soon around the world...!

Noel Asangbe ETOGO

I want to start by saying you guys are amazing and it was a pleasure and an honor to have worked with you guys. It was so inspiring and motivating. I will like to say thank you and congratulations to Maria Sherapova and the rest of the organising team for a fantastic week.

Max JIZHOU TANG

I guess I'm not the only one who almost mistaken Maria for that great tennis players lol. Anyway it was a great pleasure meeting everyone here during the last few days. What a wonderful experience! Please let me know when you visit Canada! I'm a pretty decent host ;)

Vadim KABIROV

Dear friends, it was pleasure for me to spend such a wonderful time with you. If you are interested in oil and gas refining, gas processing, economics, and other fields please contact me.

ENERGY CHALLENGE 2.0

Advantages of the Youth Day 2019 format:

- Wide coverage of the audience at the first stage thanks to the online format of the Virtual Academy.
- Open dialogue between participants and experts during webinars.
- Opportunity to present your own project (at any stage of implementation) to the leading energy companies.
- High skills and motivation of participants at the final stage, thanks to strong qualification and additional training in the Virtual Academy.
- Presence of high quality and proven games and team building formats in the Youth Day program.
- Involvement of all participants in the prepared activities by reducing the quota.
- Open dialogue of participants with experts, middle and senior managers of partner companies at the forum.
- Full-scale development of participants' personal and professional skills through a variety of formats at all stages of the project.
- Creation and extension of personal network both among peers from all over the world and the business community.

Steps to improve the project:

- Providing more detailed information about the Virtual Academy at the application stage.
- Increasing the coverage of potential participants.
- Adjusting the schedule of the Virtual Academy in accordance with the educational process in universities (study hours, exams).
- Balance of self-study and webinars within the Virtual Academy.
- Possibility to increase the number of days on the Youth Day of SPIGF to implement all formats.
- Presentation of the best projects to a wide range of companies.

ENERGY CHALLENGE 2.0.

VIRTUAL ACADEMY

300+ participants
3 study modules
Video lectures/webinars and study materials
Summing-up webinars
Final project_challenge
New partner companies

YOUTH DAY OF SPIGF 2020

Team building
Quest around SPIGF exhibition
Business game
SPIGF plenary session
Off-tie Meeting

ЭНЕРГЕТИЧЕСКИЙ ЧЕЛЛЕНДЖ 2.0

Итоговые преимущества формата Молодёжного дня 2019:

- Широкий охват аудитории на заочном этапе благодаря онлайн формату Виртуальной академии.
- Формат прямого диалога участников и экспертов в рамках вебинаров.
- Возможность представить свой проект (на любой стадии реализации) ведущим энергетическим компаниям.
- Высокий уровень подготовки и мотивации участников финальной стадии, благодаря тщательному отбору и дополнительному обучению в Виртуальной академии.
- Наличие качественных и отработанных игровых и тимбилдинговых форматов в программе Молодёжного дня.
- Вовлечение всех участников в подготовленные активности за счёт уменьшения квоты.
- Прямой диалог участников с экспертами, руководителями среднего и высшего звена компаний-партнёров на площадке форума.
- Всестороннее развитие личностных и профессиональных навыков участников благодаря разнообразию форматов на всех этапах проекта.
- Создание и укрупнение сети контактов как среди сверстников со всего мира, так и среди бизнес сообщества.

Шаги для улучшения проекта:

- Предоставление более подробной информации о Виртуальной академии на этапе регистрации.
- Увеличение охвата потенциальных участников.
- Корректировка графика проведения Виртуальной академии в соответствии с учебным процессом в вузах (учебные часы, экзаменационная сессия).
- Баланс самостоятельной работы и вебинаров в рамках Виртуальной академии.
- Возможность увеличения количества дней на Молодёжном дне ПМГФ для реализации всех форматов.
- Презентация лучших проектов широкому кругу компаний.

ЭНЕРГЕТИЧЕСКИЙ ЧЕЛЛЕНДЖ 2.0.

ВИРТУАЛЬНАЯ АКАДЕМИЯ

300+ участников
3 учебных модулей
Учебные видео/вебинары и материалы
Вебинар по итогам модуля
Итоговый проект
Новые компании-партнёры

МОЛОДЁЖНЫЙ ДЕНЬ ПМГФ 2020

Тимбилдинг
Квест по выставке ПМГФ
Бизнес-игра
Пленарная сессия ПМГФ
Встреча без галстуков

CALL FOR ENTRIES 2020
Регистрация участников 2020

In 2020 the Youth Day will be held for the 6th time in format of the **ENERGY CHALLENGE 2.0.**

We are waiting for talented and motivated young people willing to:

- enhance the knowledge of energy business
- demonstrate their best personal and professional skills and competences to the leading energy companies
- communicate with peers and top-level experts on international level
- create professional network
- discover career opportunities in energy sector

Next deadline for applying
April the 1st, 2020

For more information about the project visit
http://energyouthday.com/

Contact
youthday@hes.spb.ru

В 2020 году Молодёжный день будет проведён в 6 раз в формате **ЭНЕРГЕТИЧЕСКИЙ ЧЕЛЛЕНДЖ 2.0.**

Мы ждем талантливых и целеустремленных молодых людей, которые желают:

- углубить знания об энергетическом бизнесе
- продемонстрировать свои лучшие личностные и профессиональные навыки и компетенции ведущим энергетическим компаниям
- пообщаться с коллегами и топ экспертами на международном уровне
- создать сеть профессиональных контактов
- узнать о карьерных возможностях в энергетическом секторе

Регистрация открыта
до 1 апреля 2020 г.

Больше информации о проекте - на нашем сайте **http://energyouthday.com/**

Контакт
youthday@hes.spb.ru

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HES UNECON

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Мария Шелепова и **Павел Метелёв,**

ВЭШ СПбГЭУ

BE ENERGETIC, BE YOUTH!

Join us for
ENERGY CHALLENGE 2.0