



KAZAKH-BRITISH
TECHNICAL
UNIVERSITY



Science and energy: a look into the future. KBTU experience

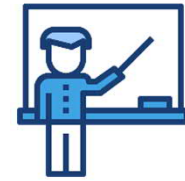
Maratbek Gabdullin – Rector (Chairman of the Board), KBTU

- ✔ Overview of KBTU
- ✔ WPC 2022 results
- ✔ WPC 2023 Creation of HUB
- ✔ Mission & Vision of HUB
- ✔ Developing Prospects of HUB
- ✔ Summer School at KBTU

About KBTU



Established
November 2001



Language of instruction
English



Total number of students
6000



Schools and Laboratories & Subsidiaries
10 and 3



About KBTU



Rankings and International Accreditations



IT programs accredited by the authoritative agency the Accreditation Board for Engineering and Technology



CIMA accredited bachelor in Accounting and Audit



Leading Business School in CIS region accredited by ACBSP



ACCA accredited programs in KBTU Business School



CFA (Chartered Financial Analyst) Institute, recognized Master in Financial Analysis program

KBTU Labs and Research institutes



Institute of Organic Catalysis and
Electrochemistry



Institute of Engineering and
Information Technologies



Chemical Engineering
Institute

Labs and facilities

Honeywell

SIEMENS

Schlumberger

Baker Hughes 



Bloomberg



International University Partnerships



**BAKI ALI NEFT MƏKTƏBİ
BAKU HIGHER OIL SCHOOL**



**POLITECNICO
DI TORINO**



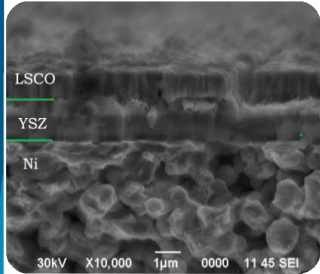
Awarding Body



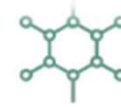
Industry Partners (Local and Foreign Oil Companies)



R&D Projects



Nanomaterials
and Nanotechnologies



Oil and Gas Engineering

Chemical Technologies of
Organic and Inorganic
Substances,
Petrochemistry



Mathematics, mathematical
and computer modeling

Electronics



Information Technology
and Cybersecurity

Geology and Exploration
of Mineral Deposits



Alternative Energy

Humanities
and Social sciences



Business, Management
and Finance



VII WORLD PETROLEUM COUNCIL YOUTH FORUM

The main decisions taken by the forum:

- Almaty Declaration
- Admission of KBTU to the World Petroleum Council
- New ideas were provided to improve the activities of the youth committee by attracting students, young professionals in the oil and gas industry, including mentoring.
- Transfer of the next forum to Canada



FORUM NUMBERS

50
SPEAKERS

100+
DELEGATES

15
COUNTRIES

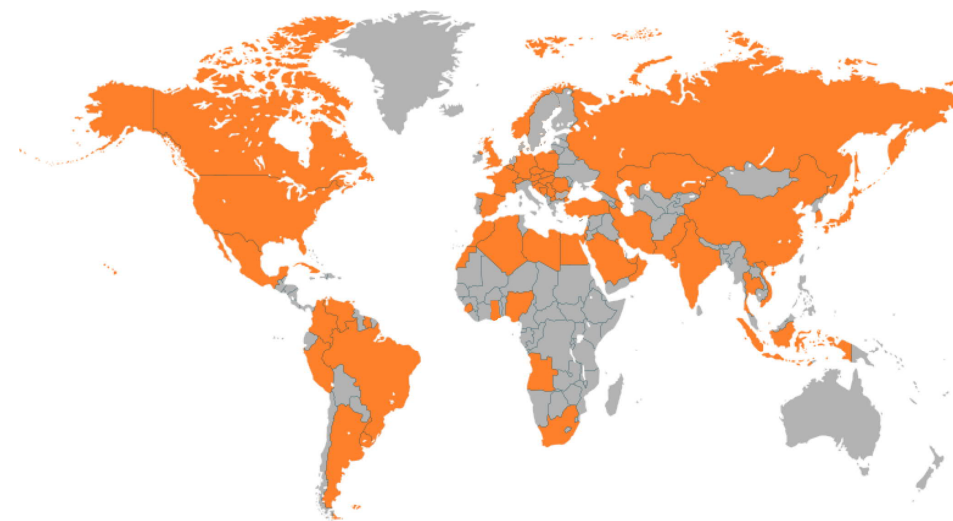
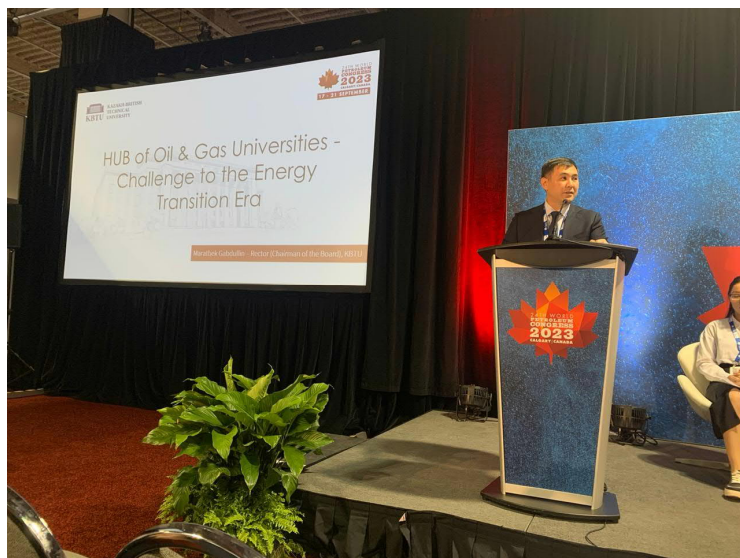
20
PANEL SESSIONS

5
HEADS OF WORLDWIDE
TECHNICAL UNIVERSITIES



24th WORLD PETROLEUM CONGRESS, Calgary, Canada

18.09.2023 - Creation of a hub of polytechnic
universities in the energy sector



HUB Main Concept

Even though Energy Transition is inevitable process, the traditional Oil & Gas Industry will supply the energy sector as a main source until 2050.

The concept of launching this HUB propose the following actions:



Host Capacity-Building Workshops on Petroleum Engineering and Energy Transition.



Host guest lectures/panels with experts in energy sector, academics and professionals. These lectures can either be a focus on a particular topic, or an informal coffee chat where the guest can share their career experiences with students and offer advice.



Develop academic exchange programs between Network universities, which are specifically focused on enhancing competencies of students



Summer School to attract students for gaining practical knowledge.

Mission of HUB

The aim of this HUB is to provide a unique platform for enhancing educational programs to adequately tackle the impending shift in energy dynamics and equip students with the essential competencies to navigate it.

Within the framework of HUB, the ESG goals will be reached towards energy transition by updating curricula, providing guest lectures, hosting events dedicate to meet ESG goals.

Vision of HUB

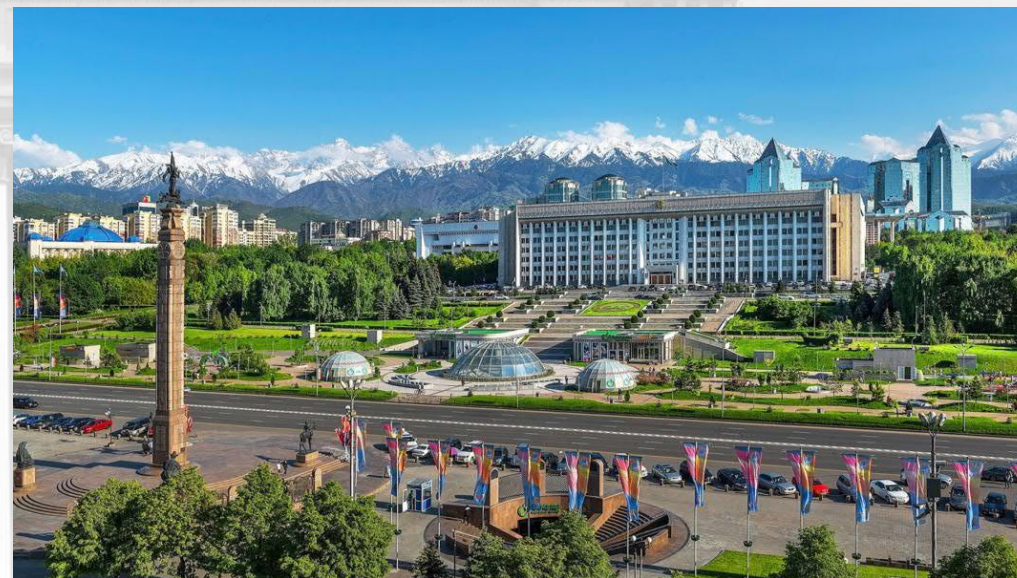
- By collaborating with Universities across the world, to boost professional competencies of students.
- Potentially open the HUB at each region and cooperate with each of them.
- Cooperation will be in form of academic exchange, student mobility program, Summer School and etc.

Developing Prospects of HUB

The following events will take place at KBTU to attract potential universities to join to the HUB:



The 3rd Almaty Energy Forum will take place
at KBTU, Almaty, Kazakhstan
Date: 6 – 8 November 2023



The 14th International Conference on
Emerging Ubiquitous Systems and Pervasive
Networks (EUSPN)
November 7-9, 2023, Almaty, Kazakhstan

Summer School of KBTU

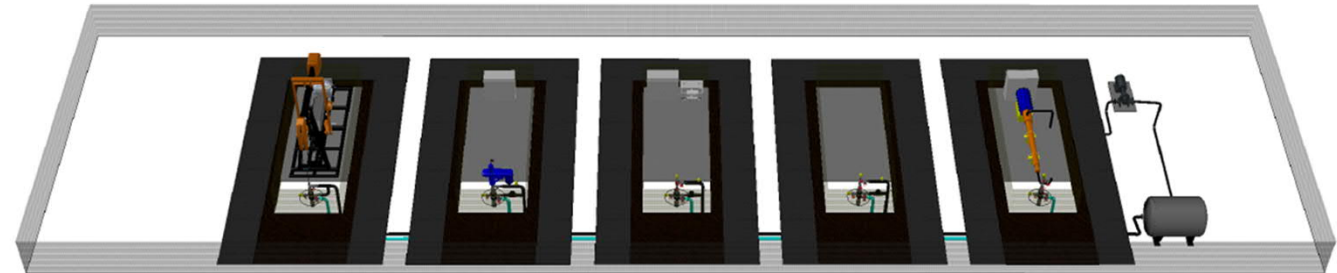
KBTU is delighted to present a Summer School for students to gain a practical knowledge and meet the criteria of the industry standard.

Based on "Drilling Center", 5 prototypes of real oil fields will be drilled, where students can participate to the process of drilling and exploitation.

The training center has been accredited by the IWCF (International Well Control Forum):

- DrillSim-20 simulator;
- full-scale drilling simulator DrillSim-5000;
- and special mock-ups of drilling equipment, which allow students to acquire practical skills in carrying out various operations during drilling operations.

In addition, guest lectures/workshops from industry professionals will be delivered.



International Center of Excellence

□ KBTU has chosen as an International Center of Excellence under the UNECE

□ Purpose

Establishment of an international center of excellence for the sustainable management of natural resources (renewable and nonrenewable).

□ Objectives

Principles for achieving environmental and energy balance to achieve sustainable development goals.

Proposals

- ICE-SRM-CA

Establishment of the International Center of Excellence for Sustainable Resource Management (ICE-SRMCA) in Kazakhstan based on the principles of sustainable development of resource management.

- Promotion

Continuous promotion benefits of UNFC and UNRMS for countries in CA region.

- Case Studies

Develop platform for systematic work on the development of case studies, scientific work, methodological recommendations.

- Experts

Establish a unified expert community in Central Asian, including training and accreditation.

- Regulations

Development of proposals to improve State Regulations to archive sustainable developments goals in resource management.



KAZAKH-BRITISH
TECHNICAL
UNIVERSITY



www.kbtu.kz

Thanks for your attention!

050000, 59 street Tole Bi, Almaty, Kazakhstan

telephone.: +727 357-42-47

e-mail: kense@kbtu.kz