



# mineTech 2019

Invest University Business

THE 3<sup>RD</sup> ANNUAL TECHNOLOGICAL  
INNOVATION COMPETITION

3-4 APRIL 2019  
ASTANA, KAZAKHSTAN



KAZAKHSTAN

2019

Organised within the framework  
of the MINEX Kazakhstan 2019

[www.minexkazakhstan.com](http://www.minexkazakhstan.com)

## COMPETITION ORGANISERS

### UNITED KINGDOM

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### KAZAKHSTAN

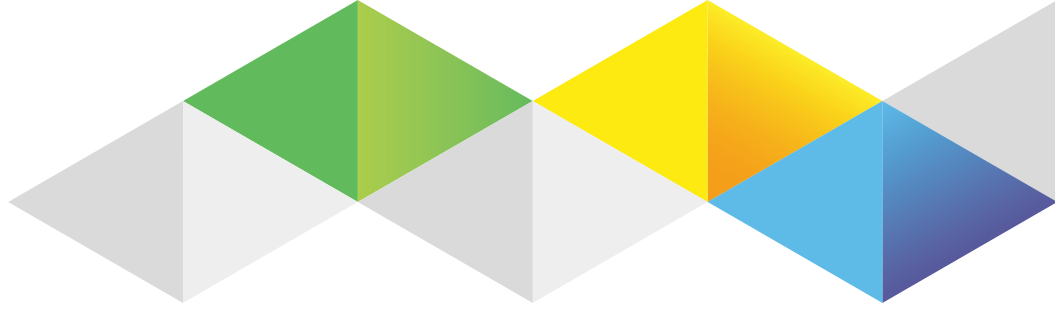
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The 3<sup>rd</sup> MineTech Annual Technological Innovation Competition will be held in the framework of MINEX Kazakhstan 2019. Technological companies, individual inventors and teams from Kazakh mining and technical universities will be able to present their unique technical and innovative solutions for some of the problems encountered by companies.

This year, the competition will be divided in three streams, MineTech Business, MineTech Invest and MineTech University.

- ✓ MineTech Business
- ✓ MineTech Invest
- ✓ MineTech University.

## Partner Companies

For partner companies presenting tasks to be solved during the competition.

The competition organisers would like to invite companies interested in solving problems relating to the optimisation of production and support for innovation in the mining sector to join us as partner companies.

Full information is available on request:

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## 3-4 April 2019 Radisson Astana

MineTech will be held on 3-4 April at the Radisson Astana Hotel, Kazakhstan.

## Thematic sections of the competition

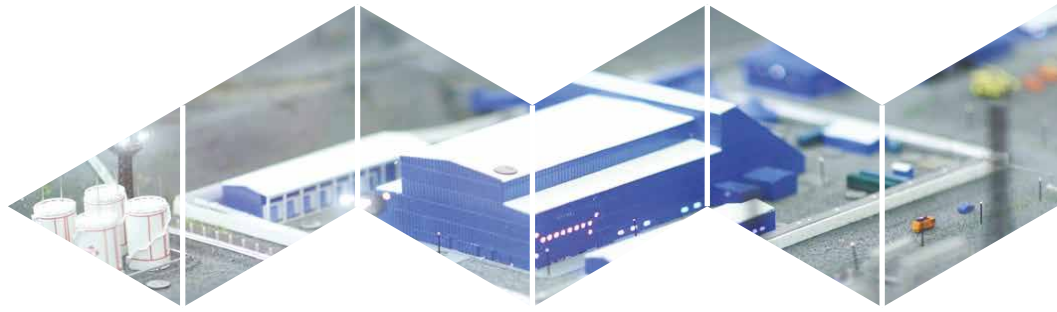
- ✓ Exploration
- ✓ Underground mining
- ✓ Ecology, waste treatment
- ✓ Enrichment
- ✓ Automation
- ✓ Energy efficiency
- ✓ Sustainable Development
- ✓ Innovation and Industry 4.0
- ✓ Geotechnology
- ✓ Industrial Safety
- ✓ Additive technologies
- ✓ Open mining operations



## Competition Background

Previous competitions were organised in 2017-2018 at MINEX Central Asia Forum in Astana, Kazakhstan and MINEX Russia Forum in Moscow, Russia.





## MineTech Business



This competition is aimed at companies providing services and technologies for mining sector.

Solutions which have already been piloted (which have been tested in real life) will be accepted for presentation.

## MineTech Invest



MineTech Invest part of the competition will provide platform for innovators looking for business partners and investors who could assist with the transformation of innovative technology project into a marketable product.

## Terms of participation

- ✓ Projects are assessed by the following criteria: innovativeness, practical significance and proven effectiveness.
- ✓ The presentation of the participants' solutions will be assessed by the competition jury during the forum.
- ✓ The competition will take place in a session format.
- ✓ Each of the competitors will have **15 minutes**, including time for questions and answers, for the presentation of technical solutions.
- ✓ Registration for participation in the competition is open until **1 March**.
- ✓ The presentation slides should be forwarded for evaluation by the jury no later than **15 March**.
- ✓ The presentation slides for projection on the screen should sent no later than **25 March**.

**The winners of the competition will be awarded a Competition diploma and valuable prizes**

## Fee for commercial organisations

**KZT**

|   |         |
|---|---------|
| Presentation at MineTech Business without participation in the main forum                   | 55 000  |
| Participation in the master classes and forum 2-4 April + Presentation at MineTech Business | 355 000 |
| Participation in the forum 3-4 April + Presentation at MineTech Business                    | 295 000 |
| Poster Presentation + Presentation at MineTech Business                                     | 167 000 |



## MineTech University

University undergraduate and postgraduate students are invited to participate in the competition.

Participation in the competition is free, however the teams' expenses are not covered by the Forum Organising Committee.

Registration for participation in the competition is open until **1 March**.

### Stage one: Presentation of individual and/or group projects

Each of the competitors will have **15 minutes**, including time for questions and answers, for the presentation of solutions.

The expert council will select the most interesting solutions for presentation during the forum.

The winners will be determined by a jury comprising representatives of top companies and experts.

The presentation slides should be forwarded for evaluation by the jury no later than **15 March**.

The presentation slides for projection on the screen should be sent no later than **25 March**.

## Poster Presentations

Universities will also have the opportunity to present posters for free during the exhibition on 3-4 April.

The technical requirements for posters are available on the forum's website.

Posters should be prepared at the university's own expense, and should be delivered to the exhibition no later than 8am on 3 April.

### Stage two: Case competition for university teams

Before the beginning of the competition, university teams will be presented with technical case studies. The solutions offered by the teams will be evaluated by specialists from the companies presenting the cases. The winning teams will be awarded with diplomas and valuable prizes.

We encourage universities to give consideration to the diversity of the cases when putting together teams for the competition.

Technical cases may be presented in the week prior to the competition and even during the course of the competition. In the latter instance, competition teams will be given two hours for the solution of cases and the creation of presentations.

## Fee for universities

**KZT**

|   |                |
|---|----------------|
| Presentation at MineTech Business without participation in the main forum                   | Free of charge |
| Participation in the master classes and forum 2-4 April + Presentation at MineTech Business | 150 000        |
| Participation in the forum 3-4 April + Presentation at MineTech Business                    | 120 000        |
| Poster Presentation + Presentation at MineTech Business                                     | Free of charge |