



NOVAS-SK LTD.

FOUNDED

in 2011

[Grant received]

CORE OF THE INNOVATION

Developing ecologically clean technology of oil and gas recovery increase from the deviated wells by plasma-impulse impact.

APPLICATIONS

Introduction of the technology under development should bring to more rational deposit exploitation, allow increase effectiveness of oil and shale gas mining, increase hydrocarbons extraction. This development should help make Russia a world leader in ecologically clean oil service technologies.

PEOPLE

TECHNICAL DIRECTOR:

Nikita Ageev, Ph.D. in Economics

HEAD OF RESEARCH OF THE PROJECT:

Valentin Strelchenko, Doctor in Engineering

Peculiarities of the project

1

When a working generator is placed into the well, there are produced several hundreds of powerful impulses along the producing interval that are followed by emerging of thick plasma.

2

Pressure impulses open natural fractures of the collector and enable new fractures formation. As a result, the wellbore area is being cleared and filtration characteristics of the bed are being increased, that in turn increases oil and gas extraction.

3

The project is in fact further development of a similar technology developed by our company for vertical wells. The technology has been already introduced for more than 100 vertical wells, effectively in 87% of the cases.

