



Under Forty

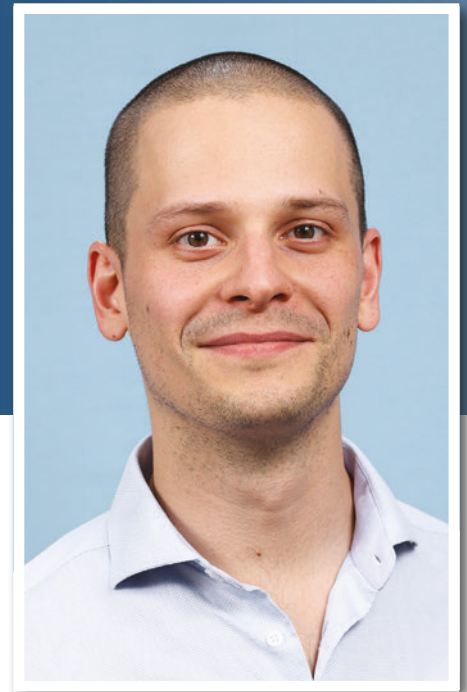
**Recognizing Today's Rising
Technology Influencers**



Artem Khasanov, 32

TGT Diagnostics
QHSE & Testing Laboratory Team Leader

“One day, after a couple of hundred years, our great-grandchildren, roasting marshmallows by the fire on Mars, will remember us with gratitude.”



From an early age, Artem Khasanov was interested in learning how the world works, so he started studying physics and technology. He studied physics at Kazan Federal University, where he was first engaged in semiconductors research and then, in collaboration with the Kazan Institute of Chemical Technology, was engaged in the research of silicone rubbers.

“I am 107% sure (this is an accurately measured value) that the main quality of a researcher and developer is the ability to be a good observer,” he said. “Many secrets of the world are revealed if you are thoughtful enough.”

In 2013 Khasanov started working with TGT as a laboratory assistant, and he became a research engineer a year later.

He added, “Once I realized that there is an industry where people who are passionate about technology and research are rewarded well—the oil industry—there was no stopping me!”

In 2019 Khasanov became the head of the testing laboratory. He devoted a significant part of his work to the study and application of acoustics in oil and gas wells, as a means to locate and characterize fluid flow. Acoustic technology is a key ingredient in TGT’s diagnostic systems—used by its customers globally to keep wells safe, clean and productive.

Career goals

“When I started my career, I met so many competent and talented people who strive to innovate and develop new technologies. My first task was to catch up with my peers in terms of competence and knowledge.

Now I am studying international quality standards to ensure that our diagnostic systems and products continue to set and exceed industry standards.”

Memorable technology projects

“I have led several projects that have helped the company advance diagnostic methods and technology. For example, I designed and manufactured laboratory models for researching and developing sophisticated multisensor acoustic devices. I also developed systems to study the acoustic signature of fluids flowing through rocks and barrier leaks, as well as an apparatus to study the acoustics of sand production and automatic testing devices for our diagnostic systems.”

Motivation from within

“After a certain age, a person needs to stop looking for a mentor and become one. All the necessary information is available; you should just lend a hand. You don’t need a mentor to make history. All you need is purpose, motivation and health. And believe it or not, your best adviser is yourself! One of my guiding principles is, ‘If you are in doubt about what to do, just do what is right.’”

Formative experience

“The most important thing in any business is to control emotions and direct personal energy to an ultimate goal. Therefore, among the many educational programs I’ve undertaken, one of the most useful was all about emotional intelligence.”

Sustainability & decarbonization

“Whilst renewable energy sources are gradually increasing, more than 50% of

the world’s energy supply still comes from hydrocarbon resources, so the extraction of oil and gas is a necessity. Our mission at TGT is to help the industry keep oil and gas wells safe, clean and productive. We are helping our customers to decarbonize and reduce harmful emissions. I’m motivated by the fact that the diagnostic systems and products that we create make it possible to use the planet’s resources more sustainably.”

Industry’s future

“I believe that the ultimate goal of any industry is to make our lives healthier, happier and more sustainable. Collectively, we need to find the right balance between maintaining human existence and protecting the planet and other species that live beside us. We need to keep in mind the countless scientists, engineers, analysts and other oilfield workers who dedicate their lives to advancing this vital industry. Digitalization and automation will be important enablers of our future, together with the use of predictive diagnostics to improve the safety and integrity of well systems.” +