# Bekzat Kalelov,
# I&C Engineer at the B.Orazbayev CHPP-1

*Behind every diagram, behind every line of protection, there are people. At the B.Orazbayev Almaty CHPP-1, this invisible but crucial work is performed by I&C Engineer Bekzat Kalelov – a young specialist for whom safety, integrity, and professionalism have become not just words, but a personal choice.*




Bekzat Kalelov frankly admits he got into the energy sector by chance. He chose his major for the sake of a grant, enrolled in AUPET, and completed his studies. But after graduating from the university, when he came to work at CHPP-1 as an RPA electrician in 2022, he realized he had made the right choice.

His first day at work was especially memorable. A tour of the plant was organized for the new specialists. What had previously existed only in textbooks and lecture notes suddenly became alive and real – enormous units, diagrams, and equipment. «I saw with my own eyes what I had studied in theory», recalls Bekzat. And he also remembers how confidently he was able to answer professional questions. This gave him inner confidence: it meant he hadn't studied in vain.

He started at the fourth skill grade, then advanced to the sixth, and today he works as an I&C engineer. This career growth is a natural result of his hard work. But for Bekzat, something else is more important: to become a truly skilled specialist and, in the future, to teach this profession to others himself.

The most important thing in his job is safety. His current field is instrumentation and automation. The work is directly related to production equipment and requires exceptional attention and responsibility. «My work involves industrial and electrical hazards. Therefore, following safety procedures is mandatory», he says. There have been cases of low-voltage electric shock and situations where people were exposed to live voltage. This is another reminder that the energy sector does not tolerate carelessness.



The workday begins with a medical check-up. Then comes the distribution of tasks and work in groups. Bekzat's duties include ensuring the reliable operation of instrumentation and automation systems, as well as monitoring and inspecting equipment according to a schedule. Sometimes it takes a long time to understand a diagram, going through it step by step from beginning to end. And when you finally grasp the full logic and find the solution, it's a special feeling. «I really like it when I manage to figure something out completely, from start to finish», he says.



He notes that his team is made up mostly of young guys. «We are peers and understand each other well. I feel at ease», shares Bekzat. In this lies the strength of the team.

He names Yerlan Musakulov, the foreman of the «Main Scheme» production section, as his first mentor. It is from senior colleagues that an understanding of responsibility and a professional attitude is formed. Bekzat is convinced that it's important to be able to explain things. «Many people know the material, but can't explain it simply. And a person who knows how to explain can teach others a great deal», he believes.

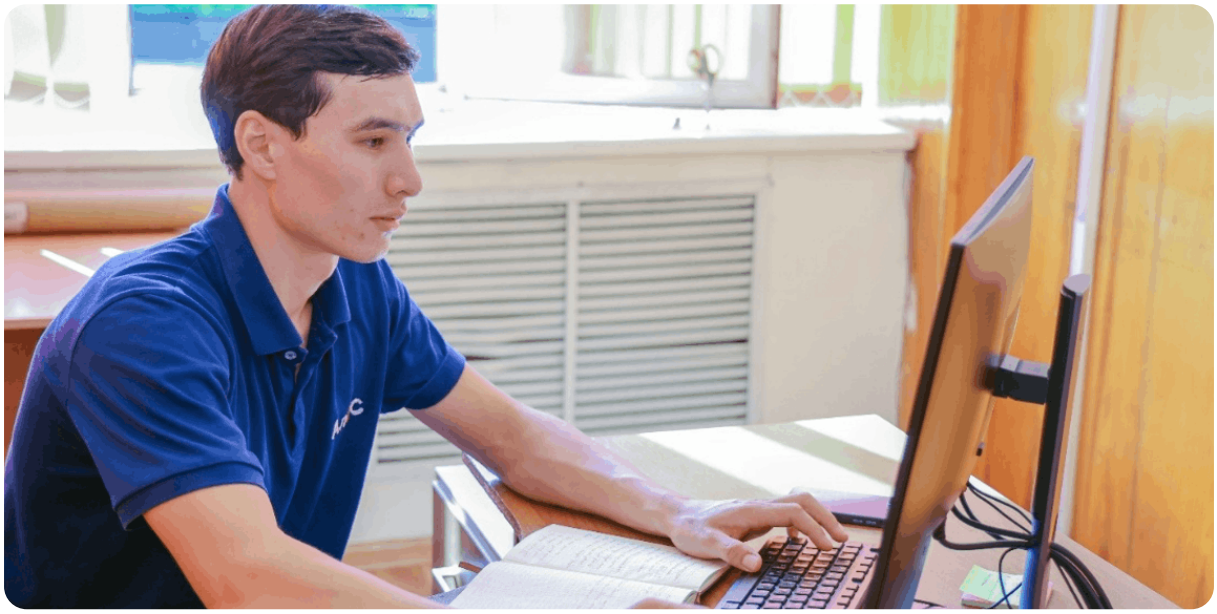


Bekzat speaks about the power engineering profession without any illusions: today, it isn't always the most prestigious. But he is confident that the future belongs to power engineers. Specialists in the field will be in demand and properly valued. After all, without their work, there would be neither light nor heat.

In his work, the feeling of being useful is especially important to him: «I like that I'm serving people, that there is light and warmth in their homes». Even professional moments, like observing a short circuit or launching a new transformer, spark his keen interest – this isn't just technology; it's a real-world process that he understands and controls.

Outside of work, Bekzat values time. He considers it a resource that shouldn't be wasted. He is active in sports, runs, rides a scooter, plays billiards, reads books, and goes hiking in the mountains. He loves to travel. «I don't want to spend my free time in vain», he says.

His life principle is simple and strict: «Even when it's hard, don't lie». This advice came from his mother – the most important authority in his life after the early loss of his father. His main support system is his values. He admits that social media sometimes gets in the way of living authentically, distracting from reality, while faith and personal convictions help him maintain his inner compass.



As a child, he dreamed of becoming a soldier, but he didn't pass the health screening. Today, he has no regrets about his choice. Power engineering has become his profession and his responsibility.

Bekzat describes himself succinctly: «Responsible. Honest. Reliable». His friends would add: punctual. He strives to keep his word and be accountable for what he says. And when asked about the most important thing in life, he answers simply, «The main thing is to remain human».

His dreams extend far beyond the plant. He wants to open a school for rural children to give them a quality education. And to see the whole world.

It is young specialists like Bekzat Kalelov – calm, thoughtful, and sincere – who are shaping the new generation of power engineers at TPP-1. People for whom their profession is not a matter of chance, but a conscious responsibility.