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AUTOMATION OF TECHNOLOGICAL PROCESSES IN THE ENERGY SECTOR

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Fig 1. City in the future

At the moment, the energy sector is actively developing in the Republic of Belarus and this profession is in economic demand in our country, and it is understandable: because my future profession combines such an important aspect as automation, without which the development of any important area for our country in the age of high information technologies is not possible (Fig.1). I would also like to note that, in addition to engineering disciplines, we study many humanities, that at the end of the course of study we can also be not only engineers of our specialty, but also hold managerial positions, this is evidenced by the statistics of graduates, which is available on the BNTU website, which is quite impressive.

Graduates of my specialty receive higher education with the qualification of engineer (Fig.2). These are specialists who can work in the field of electronics, electrical engineering, microprocessor technology, including work with customizable controllers, data transmission through all kinds of communication channels, and also know how to interact and create databases, database systems, computer networks, using modern information technologies and programming methods for work related to design, adjustment, installation and operation of modern automated systems for processing and presentation of information.



Fig. 2. Jobs in the energy sector

In the current conditions, in order to take a leading position in the market, enterprises need to quickly respond to the constantly changing environment, produce a diverse range of products, as well as accurately comply with the timing and volume of orders. Without modern industrial automation, it is impossible to meet all these requirements.

A lot of money is really invested in automation in our country, but its efficiency is invaluable, because we, the people, are able to make a process automatic.

Investing in something new, and I believe this is fundamental for the successful, long-term development of our country, and ourselves as a whole. I really like the fact that I have a great prospect of becoming a versatile engineer who will be able to work in many areas of the energy sector, work where it is interesting, and most importantly, where it is needed not only here and now, but also with a bias towards the future.