

Hi everyone! My name is Dmitry and I am 24 years old. One year ago I graduated from Saint-Petersburg polytechnic university with a master's degree in power plant engineering. During the bachelor degree I was studying at the department of turbines, hydraulic machines and aircraft engine. Why did I choose this department?! That was interesting moment in my life. When I was 15 years old my uncle took me on a tour to a heat power plant. It was so exciting emotions, too many huge machines: steam turbines, boilers, pumps, generators and etc. After that I started to read about power plants, I tried to understand how it works, sometimes my father and uncle helped me with it and from day to day I learned more and more about power machines and especially about turbines. After school I definitely knew what I want and in my first priority was Saint-Petersburg polytechnic university.



During the bachelor degree I became acquainted with basics of the power-engineering field. Topic of my bachelor thesis was: "Calculation of the intermediate-pressure turbine", after defending of the bachelor thesis I was convinced that power-engineering is very interesting for me and I decided to continue the studying in this field.

In 2014 the international master program was opened at the Institute of the energy and transport systems. When I read the brochure about the program my eyes lit up and I accepted this challenge. I had only one concern and it was English language but my classmates created warm atmosphere inside of our group and through a couple of weeks I did not have any problems with it.

During the first semester we got interesting interactive tasks and lectures from Russian lecturers and also foreign lecturers have conducted several useful courses about heat pump and boilers. Study took place in a relaxed atmosphere but meanwhile everyone understood that is necessary to work hard in order to get more knowledge.

The second semester I spent in a partner university – Leibniz Hannover University at the Institute of the turbomachinery and fluid dynamics. We did a project together with German PhD students. The goal of our project was "Creating the turbo generator for the recovery of the waste heat for trucks". We did three different design of turbine's path flow and investigated which design is better. That was delightful teamwork in great atmosphere. Every participant was highly motivated and we got good results and published paper in the European Turbomachinery Conference. My master thesis was based on these results.

After one semester in Hannover I was intern at Siemens company in Saint-Petersburg during 5 weeks and afterwards Siemens gave me a job offer as junior design engineer in the rotor department. And now I am working at Siemens company as a design engineer of the rotor parts of gas turbines. I already went through six months delegation to Global Siemens Company. I worked half of year in the Berlin plant of the gas turbines, where I gained great experience from very practiced engineers at the enormous plant. Every day I was working with colleagues from Germany, USA, China, India, Sweden, UK, Poland etc. Each projects have status – GLOBAL and it gives you additional motivation and energy to work hard and get new knowledge and experience every day.

Finally, I want to say many thanks to all professors, teachers and people which taught, supported and helped me in the university. Special thanks for the opportunity to be a part of the international program because due to these years I obtained very useful abilities such as: teamwork, responsibilities, set and achieve goals, English communication with people from all over the world and others profitable skills.

With best wishes, Dmitry.