



“How to build a career in engineering”

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I plan to say a few words about the fact that in the last decade Russia has rapidly developed its industry, which consists of many industries, enterprises, plants and factories. Undoubtedly, one of the professions in demand on the Russian labor market is an engineer, in our case, the profession of a process engineer is considered.



We see three advantages and two disadvantages:

Positive aspects of the profession:

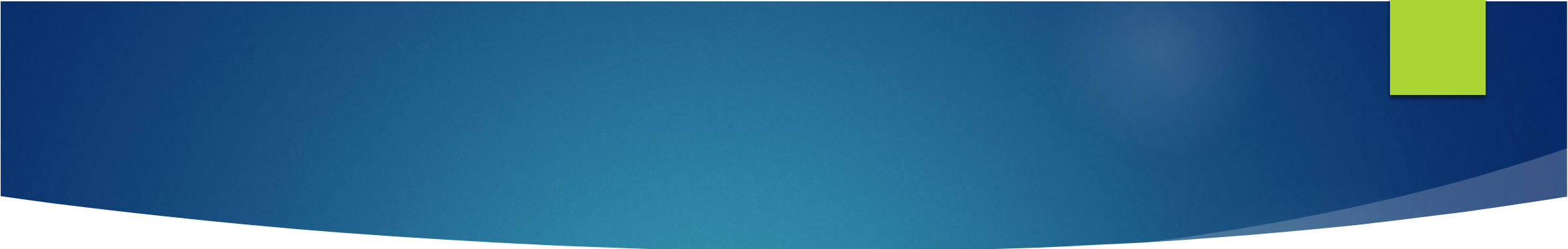
- ▶ + Respected profession. It has always been necessary, useful and prestigious to build houses and create progressive mechanisms.
- ▶ + The results of the work are visible immediately. Even if the production cycle takes some time, the engineer will see the result and hear feedback.
- ▶ + Always relevant profession. There is always a shortage of personnel in the industry, so there is work for both young and experienced professionals.

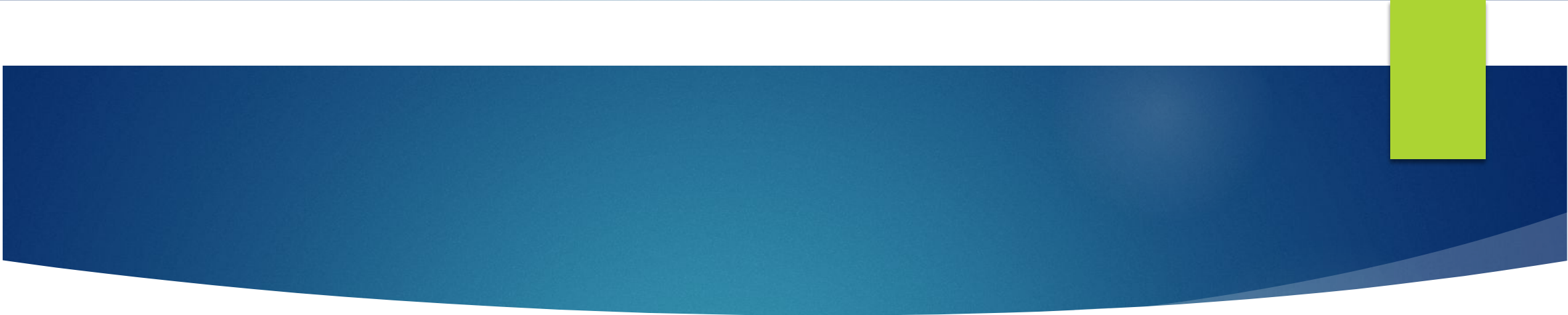
Negative aspects of the profession:

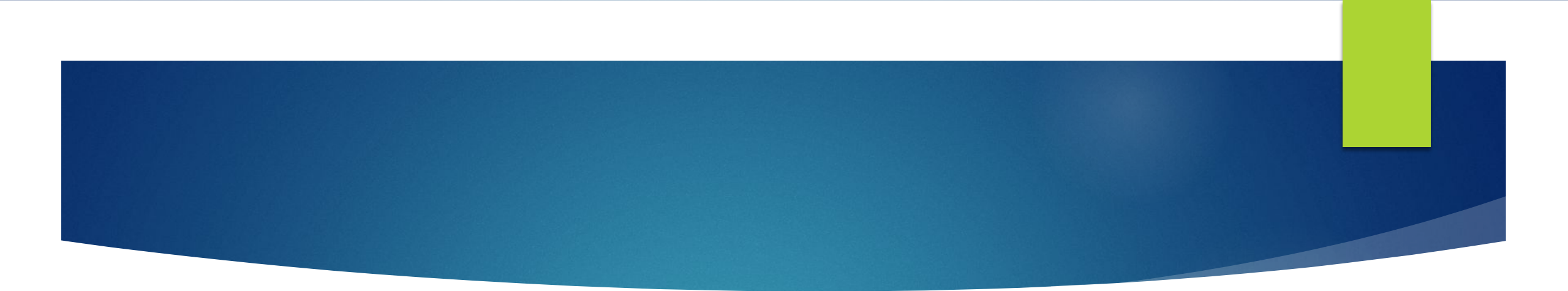
- ▶ - High level of responsibility. When designing a building, a drilling rig, or even a small part of an escalator, it is always important to keep safety in mind.
- ▶ - Lots of routine. Sometimes you have to correct and completely redo the drawing of the project many times, the main time of work is occupied not by the "invention", but by design, writing technical documentation and calculations.

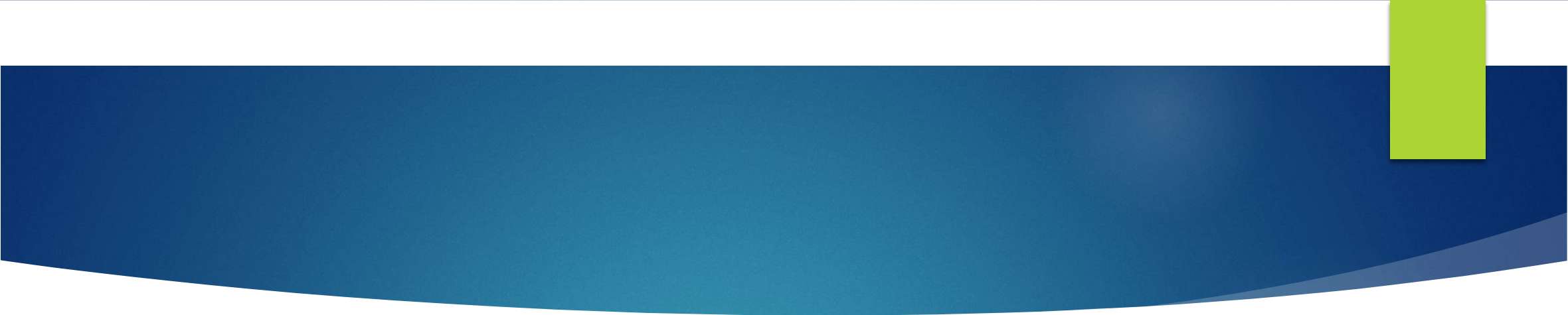
There are three main career paths that engineers follow. The first career path is to find a job in a factory. The second career path is to do science. The third career path is teaching at a university or school.



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- ▶ The most demanded engineering vacancies are: design engineer, process engineer, chief engineer and robotics engineer.
 - ▶ Design engineers are popular because of the increased demands on design projects. Specialists with their own design developments and experience in large enterprises will be able to claim high wages.
 - ▶ Process engineers are in demand due to the high pace of development of manufacturing enterprises. Highly qualified specialists in the field of heavy and medium engineering, food, chemical and pharmaceutical industries will be able to receive decent wages in this area.
 - ▶ Chief engineers are most in demand in the production of metal products, metalworking, consumer goods and in the field of construction and operation of facilities, the study says.
 - ▶ The growth in demand for robotics in the company is due to the development of technology and robotics.
 - ▶ Compared to other engineering professions, a process engineer gives a chance for creative self-realization (the ability to invent, fantasize, introduce something new).

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- ▶ I see myself in the field of work at the plant, starting an internship as a student. Requirements for the salary of a young specialist are 30-35 thousand rubles, then with career advancement up to 120 thousand rubles.

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- ▶ I would like to choose an internship or trainee position with a structured learning plan that will help me advance in my career. Having passed all the stages of advanced training with excellent marks, I will create a professional image and set goals for the next five years.

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- ▶ I would like to end by emphasizing the main points such as: process engineers are in demand due to the high pace of development of manufacturing enterprises; highly qualified specialists will be able to receive a decent salary in this area; there are more pluses than minuses in this specialty.



Thank you for your attention!