

Ever Given. But when navigation resumed, Masksol respirators were delivered to the port of Rotterdam, Netherlands.

According to Knupske, the invention also has a political aspect. “For years, I have followed the German government's anti-crisis management in the fight against global warming, – he says. – It's all nonsense. Government officials and politicians continue to thwart the work of inventors on renewable energies. And in the fight against the pandemic, the same thing is happening: it was a complete mess. Bureaucrats simply cannot do it right.”

Yes, we live in difficult times and you can talk about the misuse of nature's resources, pollution of the planet, global warming for hours. But talking about a problem is not enough to solve it or at least minimize losses. And Heinz Knupske, not having solved the problem completely, nevertheless contributed to getting at least some benefit from the situation.

Reference:

Zashchitnye maski snabdili solnechnymi batareyami [Protective masks have been supplied with solar panels]. (2021, April 4). Retrieved from <https://ecotechnica.com.ua/products/5372-zashchitnye-maski-snabdili-solnechnymi-batareyami.html>

INTEGRATION OF ROBOTS INTO OUR LIVES

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The integration of robots into our everyday life and work is a very interesting and important topic. In our work, we discuss the advantages and disadvantages of robotization as well as the spheres where robots are applied.

Robotization is a part of automation, it implies the replacement of human work with processes carried out automatically by any robotic systems at the industrial scale. Today, there are many types of robots, which can help us in everyday life, in

hard work, and make our lives easier.

Since the IT sector is being actively developed now, almost all human needs are satisfied with IT products. For example, if you want to order food, many applications have already been developed for this purpose. If in Ukraine a person is your courier, in Asia there are already special robots that bring food by your address. So, there is minimal interference of people in this process. Now, in the days of Covid-19, it is robotization that helps us live more safely. Online shopping began to develop actively, self-service cash desks appeared in supermarkets and some fast-food restaurants. It helps us avoid queuing and be more protected.

Here is a short list of areas in which robots can be applied:

- Military equipment (drones);
- Cars (some of them already have auto control);
- Home appliances (there is a separate system called "smart home", it helps to automatize everything);
- Medical work (perform actions of minimally invasive surgery);
- Factory equipment (these are conveyors or mechanical arms);
- Educational robots (also used to increase interest in programming and robotics among students).

There are also many other spheres where robots can be used.

What are the advantages of robotization in industry?

- Efficiency (a machine can produce much more than a person);
- Manufacturing quality (the percentage of rejects is minimized);
- Security (relevant in industries, where substances can be dangerous to human life);
- Economic indicators (reduced labour costs).

At the same time there are some disadvantages of robotization:

- Loss of jobs by people of some specialities (total staff reduction, people lose permanent jobs);
- High cost of technology.

Taking into account all mentioned above, I want to say that despite the fact that

we have already achieved a lot, progress does not stop. Even if robotization destroys some jobs, it will also create new jobs in other industries. For example, due to a decrease in production costs, goods will become cheaper, they will be bought more, which means that more personnel will be required in the trade sphere. And professions focused on working with people will not disappear. In its turn, robotization may also be the key to solving environmental problems.

References:

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PROSPECTIVE STRATEGIES TO SAVE ENERGY BY MEANS OF ELECTRIC DRIVE

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Electric drive is the main consumer of electric power produced in the world. More than 65-70% of all over the world generated electric power is converted into mechanical energy in induction motors (Abdullayev, 2021). Thus, it is not surprising that the issues of energy saving are extremely important and are among the main ones today.

The search for energy saving by means of electric drive is one of the most important global tasks notably for Ukraine, since the cost of electricity is constantly