ELON MUSK: CONTRIBUTION TO THE MODERN SCIENCES

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The purpose of the paper is to study the person of famous entrepreneur, scientist and inventor Elon Musk as well as his contribution to the development of various branches of modern sciences.

Elon Reeve Musk is a South African-born American entrepreneur and businessman who founded X.com in 1999 (which later became PayPal), SpaceX in 2002 and Tesla Motors in 2003. Musk became a multimillionaire in his late 20s when he sold his start-up company, Zip2, to a division of Compaq Computers. Musk made headlines in May 2012, when SpaceX launched a rocket that would send the first commercial vehicle to the International Space Station. He bolstered his portfolio with the purchase of SolarCity in 2016 and cemented his standing as a leader of industry by taking on an advisory role in the early days of President Donald Trump's administration.

Musk founded Space Exploration Technologies Corporation, or SpaceX, in 2002 with the intention of building spacecraft for commercial space travel. By 2008, SpaceX was well established, and NASA awarded the company the contract to handle cargo transport for the International Space Station — with plans for astronaut transport in the future — in a move to replace NASA's own space shuttle missions.

On May 22, 2012, Musk and SpaceX made history when the company launched its Falcon 9 rocket into space with an unmanned capsule. The vehicle was sent to the International Space Station with 1,000 pounds of supplies for the astronauts stationed there, marking the first time a private company had sent a spacecraft to the International Space Station.

In September 2017, Musk presented an updated design plan for his BFR (an acronym for "Big Falcon Rocket"), a 31-engine behemoth topped by a spaceship capable of carrying at least 100 people. He revealed that SpaceX was aiming to launch the first cargo missions to Mars with the vehicle in 2022, as part of his overarching goal of colonizing the Red Planet.

Elon Musk is the co-founder, CEO and product architect at Tesla Motors, a company dedicated to producing affordable, mass-market electric cars as well as battery products and solar roofs. Musk oversees all product development, engineering and design of the company's products.

In August 2016, in Musk's continuing effort to promote and advance sustainable energy and products for a wider consumer base, a \$2.6 billion deal was solidified to combine his electric car and solar energy companies. His Tesla Motors Inc. announced an all-stock deal purchase of SolarCity Corp., a company Musk had helped his cousins start in 2006. He is a majority shareholder in each entity.

"Solar and storage are at their best when they're combined. As one company, Tesla (storage) and SolarCity (solar) can create fully integrated residential, commercial and grid-scale products that improve the way that energy is generated, stored and consumed," read a statement on Tesla's website about the deal.

Outside of his roles at SpaceX and Tesla, Musk has continually attempted to make his innovative ideas a reality.

In August 2013, Elon Musk released a concept for a new form of transportation called the "Hyperloop" an invention that would foster commuting between major cities while severely cutting travel time. Ideally resistant to weather and powered by renewable energy, the Hyperloop would propel riders in pods through a network of low-pressure tubes at speeds reaching more than 700 mph. Musk noted that the Hyperloop could take from seven to 10 years to be built and ready for use.

Elon Musk has pursued an interest in Artificial Intelligence, becoming co-chair of the nonprofit OpenAI. The research company launched in late 2015 with the stated mission of advancing digital intelligence to benefit humanity. In 2017, it was also revealed that Musk was backing a venture called Neuralink, which intends to create devices to be implanted in the human brain and help people merge with software.

In yet another innovation, in January 2017 Elon Musk suddenly decided he was going find a way to reduce traffic by devoting resources to boring and building tunnels. He launched his venture, named "The Boring Company," with a test dig on the SpaceX property in Los Angeles.

The boundless potential of space exploration and the preservation of the future of the human race have become the cornerstones of Musk's abiding interests, and toward these he has founded the Musk Foundation, which is dedicated to space exploration and the discovery of renewable and clean energy sources.

Therefore, in our report we tried to tell about the impact of Elon Musk on the modern sciences and technologies. In conclusion, we should say that it's hard to evaluate the contribution of this person to the modern sciences. However, it's absolutely obvious that Elon Musk is one of the men who creates humankind's history today.

References:

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