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Unique Polymer Finds Widespread Use in Heart Devices

According to (Shishko et al., pg.7), the United States government invests billions of dollars into space programs such as the National Aeronautics and Space Administration (NASA). Most of American taxpayers hopes that the result would help them, not only here on earth, but also while still alive. With the more seen and evident discoveries by the National Aeronautics and Space Administration (NASA) over recent years, it has become clear that taxpayers' money may have been used appropriately after all. This came out as a result of the Earned Value Management (EVM) method within the government adoption and implementation at NASA (Kwak et al., pg.79).

Discoveries such as a unique polymer, have changed the lives of many Americans with heart conditions. This success has altered the wrong perception about NASA and its projects, enhanced medical research and development, and also improved the accountability of the taxpayers' money invested in the NASA programs. The wrong perception about the National Aeronautics and Space (NASA) by most Americans think that Astronauts to mars and the moon should be the lowest priority to be considered (Vaughan, 1996).

NASA's discovery of LaRC-SI has significantly changed public perception towards the government's investment in the programs undertaken by this agency. For many years, NASA has been receiving billions of dollars from the government. The public has been concerned whether it was a good idea to increase the organization's funding if there is nothing that touches the lives

of Americans who pay taxes that are the source of the financing. However, this perception has changed with the discovery of LaRC-S, a unique polymer discovered by one of NASA's employee Robert Bryant and his team (Spinoff, 2019). This device is said to have been found by accident in advancing composites for high-speed aircraft (Spinoff, 2019). The programs have been known to be about space exploration, and nothing would impact the people directly, at least not according to specific individuals who feel that their money is used on programs that may not help them. Perhaps with this discovery, people may start to see the NASA invents and its programs after all impacting being of great importance.

The discovery of polymer (biomedical) by NASA has further enhanced research and development in the medical area. Despite NASA being responsible for the civilian space programs and also space research, NASA has proven that its programs such as polymer and LaRC-S are critical components in maintaining and supporting life on earth. As more health complications continue to arise, people are becoming more concerned about the availability of resources and the cost-effectiveness of health-supportive tools such as pacemakers for people with heart conditions. According to (Dietrich 2016), a programmed pacemaker is not only cost-effective but also one of the greatest innovations in the health sector. The project that started more than twenty years ago came to an end, and NASA scientists initiated the experimental composite material. NASA discovered a durable polymer with unique qualities. The polymer has a wide range of benefits for the health care sector, including the potential to reduce the cost of health care services and biologically nonreactive.

According to (Dietrich 2016), NASA's innovation has further helped to answer the question of accountability for billions of dollars invested in the company. In the past, the expenditure in NASA had sparked one of the most exceptional discussions in America,

especially on whether the government was getting a return on its investment in the NASA projects. Based on NASA's report in 2013, there is assertion by Dietrich that NASA has tried to justify how its expenditure meets its course of enhancing the socio-economic impact in the country. NASA has been quick to justify how it spends more than \$18 billion annual investment in its space programs, but LaRC-SI may have been the most significant result that millions of Americans have seen in years. Space research undertaken by NASA is long-term, whose benefits are not immediately apparent.

References

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