NIKOLA TESLA – THE GENIUS WHO LIT THE WORLD

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Nikola Tesla (1856 –1943) was a true visionary far ahead of his contemporaries in the field of scientific development. He was one of the greatest and most enigmatic scientists who played a key role in the development of electro magnetism and other scientific discoveries of his time. Accompanied by blinding flashes of light, he would often visualise mechanical and theoretical inventions spontaneously. He had a unique capacity to visualise images in his head. When working on projects, he would rarely write down plans or scale drawings, but rely on the images in his mind.

Tesla was a pioneer in many fields. Tesla made what he regarded as his most important discovery - terrestrial stationary waves. Nikola Tesla developed polyphase alternating current system of generators, motors and transformers. Tesla discovered the rotating magnetic field, a fundamental principle in physics and the basis of nearly all devices that use alternating current. Tesla brilliantly adapted the principle of rotating magnetic field for the construction of alternating current induction motor and the polyphase system for the generation, transmission, distribution and use of electrical power. His alternating current induction motor is considered one of the ten greatest discoveries of all time. Among his discoveries are the fluorescent light, laser beam, wireless communications, wireless transmission of electrical energy, remote control, robotics, Tesla's turbines and vertical take off aircraft. Tesla is the father of the radio and the modern electrical transmissions systems. His vision included exploration of solar energy and the power of the sea. He foresaw interplanetary communications and satellites.

Nikola Tesla was an inventor, mechanical engineer, electrical engineer, and futurist whose work is integrated into almost all facets of modern life. He registered over 700 patents worldwide. Tesla's discoveries, inventions and vision had widespread acceptance by the public, the scientific community and American press.

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