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THE IMPACT OF MODERN TECHNOLOGY AND ARTIFICIAL INTELLIGENCE ON STYLE IN ARCHITECTURE IN RECENT HISTORY

Changes in architectural thought under the influence of time and newly invented technologies.

At the moment, artificial intelligence (AI) is being introduced into more and more fields. This has also affected construction and architecture. AI is now already helping to design buildings, interiors, making drawings of these buildings, making calculations, etc.

AI is being used to streamline workflows, add efficiency, and assist in decision-making processes within the architectural profession. It has the potential to revolutionize the industry by providing decision support systems for building regulations compliance and enhancing the overall architectural process.

The use of technology in architecture has expanded over the years, with mainstream tools such as Computer Aided Design (CAD), Building Information Modeling (BIM), virtual reality, augmented reality, 3D printing, and machine learning playing vital roles in the design and construction of infrastructure.

AI is seen as an indispensable tool that enriches the field of architecture with innovative designs, blending classical aesthetics with futuristic design. It is expected to shift, rather than replace, human roles in the field, leading to major changes in architecture.

We can't be completely sure how AI will influence architectural thought, where architectural art will turn. Perhaps post-modernism will get a new breath, an influx of thoughts, or maybe abstractionism or hi-tech will have a leading role. In theory, we can expect the return or revival of styles that are no longer used, unpopular styles or compilations of once super-popular styles such as neoclassicism, baroque and gothic.

But it's still worth arguing that the benefits of artificial intelligence are inestimable and obvious. AI optimises many processes, thus speeding up work and at the same time removing a sufficient number of problems that arose earlier. Now human hands can be freed up and by putting the simplest tasks on the shoulders of artificial intelligence, they can do things that humans have never been able to do before. Although it all comes down to the same creation of new things for the sake of progress and so on until humanity stops itself.

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THE IMPACT OF THE INTERNET OF THINGS ON EVERYDAY LIFE AND INDUSTRY

The Internet of Things (IoT) has become a game changer in the technology landscape, revolutionizing the way we live, work and interact with the world around us. [1]

What is the Internet of Things (IoT)? The Internet of Things (IoT) is a technological revolution that encompasses a vast network of connected devices, allowing them to communicate and exchange data with each other. [1] This interconnected network extends beyond traditional Internet connections between computers and smartphones to include everyday objects. [2]

The Internet of Things can change our daily lives in ways we never imagined. At its core, the Internet of Things is a network of physical objects equipped with sensors, software and communications that allow them to collect and exchange data. [1] These objects can range from everyday devices such as smartphones, smart home appliances, and wearable devices to more complex systems such as industrial equipment and smart city infrastructure. [1]

From increasing convenience and efficiency to increasing security and sustainability, Internet of Things promises to transform our daily lives and improve our quality of life. [1] For example, smart home appliances can automate tasks, wearable devices can track health indicators, and smart city infrastructure can improve city life. [1]

The Internet of Things is also part of the Fourth Industrial Revolution, transforming industries through the creation of smart cities and, in the future, self-driving cars. [2] It is changing the way businesses operate by offering greater connectivity, resulting in increased accuracy, safety and efficiency. [3]

For example, soil moisture sensors are used to optimize farmers' yields, while thermostats and thermometers are changing the way we live and work. [2] In fact, according to McKinsey [2], in 2019, about a quarter of enterprises used Internet of Things technologies.

While exploring the exciting potential of the Internet of Things, it is important to address the challenges and implications arising from this technological revolution. Security concerns, privacy concerns, and the need for standardized protocols are just some of the challenges that must be overcome to reap the full benefits of IoT. [1]

In conclusion, the Internet of Things is changing various aspects of our lives and industries, promising a future that is more convenient, efficient and sustainable. However, it also brings with it challenges that must be overcome in order to fully realize all the opportunities. [1]

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