

Cities After The Industrial Revolution And Technology

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Chapter 2

As outlined in Chapter One, the Industrial Revolution brought a different paradigm on matters related to production, labor patterns, population distribution, and wealth distribution. Before the Industrial Revolution, most people lived in rural settings, which promoted farming. That was never the case with the Industrial Revolution, which gave rise to the growth of urban set-ups regarding structure as well as operations (Cowan, 2018). The existing industrial revolution opportunities are the leading cause of the population shift recorded. Factories currently exist in most cities, and people have to relocate to ensure convenience regarding work opportunities. The ability to change the working conditions in cities made it possible to improve relationships.

Modern Cities And Technology

The decisions that governments, individuals, and business stakeholders made during the Industrial Revolution are the leading cause of growth in contemporary cities. The technological possibilities that existed during the time streamlined most of the current existence. The ability to redefine the urban hierarchies made it possible to record growth and improve relationships on various occasions. There is the aspect of specialization as well, which is the main cause of the existing economic base. Even though cities currently indicate a sense of growth, the transition was never a walk in the park, and various stakeholders had to lay the foundation to make things work. The transformation made it possible to achieve various states of cities, and each phase had significant instances (Hawken, Lovins & Lovins, 2013).

Most scholars think that the development of U.S. cities happened overnight. The fact of the matter is that technology played a crucial role in shaping the cities. Key aspects of technology that came in handy include the improvement in transportation technologies regarding automobiles as well as airplanes. There is also the infrastructure technology that incorporates the widespread diffusion of electricity. That includes the highway and water systems in the region. The mass production regarding manufacturing technologies made it possible to get the very best out of most production processes (Cowan, 2018). Moreover, the instance made it possible to create job opportunities, which improved the living standard of most people in the region. Ultimately, agricultural mechanization made it possible to achieve the best result in most production processes. That is the main reason for the success in mitigating certain risks in the agricultural sector.

Due to technological advancements, dispersed cities exist, and such a platform is also the leading cause of growth in less-developed regions. Currently, the aspect of air travel among cities makes it possible to improve trade. There is also the aspect of long-distance communications, which makes it possible to clarify individual business processes. The existence of truck transport is also the main reason for the existing regional relationship and makes it possible to expand urban life, mostly to the south and west.

Communication is currently possible due to the existence of arterial highways, which also play a crucial role in decongesting cities. Ideally, population growth normally brings the aspect of congestion, and there is a need to employ the latest technology to mitigate the challenge. Currently, there is also the aspect of widespread electrification, which brings a greater sense of freedom. The southern and western states mostly bank on the aspect of electrification to record the growth, which is currently evident in the region. It is evident that the South, as a Western climate, was not favorable for working (Musson & Robinson, 1969). That affected production in some ways. The emergence of air conditioning has improved operations in most cities. The migration from the rural to urban set-up was a result of the improvement in mechanization. The existence of automobiles also brought about the aspect of bedroom subordinations together with the emergence of streetcars. Currently, the central business district is banked on the existence of steel-girded buildings and the best telephone communications. The developments are also the main reason for the construction of skyscraper office towers in the CBD. These structures can accommodate the increased population and make it possible to control current operations in most cities in contemporary society.

Climate Impact

Currently, it is evident that close to half of the world's population stays in cities, and that is the main reason for the production of a considerable amount of the GDP. Even though agriculture also contributes to growth, some companies in urban centers utilize most of the produce from farms. In the process, there is an increase in the amount of greenhouse gas emissions. Such emission is likely to tamper with the lives of plants and animals in the future. Making certain species extinct is not a new concept in contemporary society. Currently, more than half of the world's population lives in urban areas, and the United Nations projects that about 68 percent will live in urban areas by 2050. That indicates that the amount of pollution could increase unless cities adopt cleaner technologies and more sustainable planning. Even though such a movement will improve economic activities, there is a need to understand resource allocation and the best way to explore innovation in meeting demands.

China is the hub of technological growth and development. Producing nearly every product in the region is possible. All that is required is a prototype. Even though the instance presents a positive growth impact in the area, it also hurts the environment in some ways. There is an increase in the number of carbon emissions as well as other chemicals, which significantly contribute to global warming. The impact of global warming can relate to the occurrence in the Netherlands in which

floods caused tremendous damage to properties. Even though such events are evident, it is necessary for the government to use all the available tools to create a better society that will improve the living standard in the region. Creating a state of compact urban growth is essential. The development of China, for instance, will make it economically dynamic and healthy. The situation will foster growth and diversity. The production of technological devices such as laptops and mobile phones is currently on the rise. In fact, most of these productions, as well as consumption, occur in the cities due to the existence of the best infrastructure regarding skills as well as resources. The daunting part of the process is the disposal of these devices. Most of these devices are not biodegradable, and that stands as the primary challenge to the environment. Moreover, disposed gadgets also result in the emission of harmful components into the atmosphere. Such an instance compromises the health of plants and animals due to the emergence of acid rain.

How Cities Adapt To The Climate Change

Leadership is such a significant aspect. It makes it possible to scale operations in such a region and thwart specific processes that might promote growth and sustainability. The planning system should efficiently function to ensure the proper utilization of natural resources. Instances such as deforestation should not be embraced in contemporary society since it stands as the leading cause of drought, which impacts the lives of plants and animals. Policymakers, in certain instances, fail since they can implement the best policies that serve the interest of the general public. Humans are self-centered and will always enact laws that please them on most occasions. The primary systems that should be the center of discussion include those that relate to solid waste, transportation, and planning in the urban setup. The community should not think that it is the role of the government to create all the changes. A shared sense of purpose is the best way to get ideas that will ensure growth in society.

Rethinking governance and planning is also a crucial way of creating a better environment. Most urban set-ups currently strive to increase fiscal autonomy. The local community should have a say on key operations taking place in the region. That is the main cause for the emergence of smart urban infrastructure development, which is evident in most Western cultures. It is evident that corruption is prevalent in most nations and contributes to the execution of activities that do not promote sustenance in society. Currently, nations are coming together to ensure proper governance since most operations can hurt the neighbors as well (Feinstein, 1998).

One of the primary ways of addressing such as the existence of a team is to look into matters related to corruption. The mafias are mostly responsible for the numerous unethical processes in various cities, which also present a negative impact on the lives of individuals in the region. Urban leaders are also at the forefront of the delivery of content with low-carbon content. One way that nations are taking into consideration is the ability to recycle products. The by-products will not only prevent contamination but also help in managing the limited resources. The impact is good for the public and will play a crucial role in improving the lives of individuals on most occasions. Smart cars, as well as

buildings, currently dominate various domains. It was evident that the combustion of fuel proved to be the main cause of carbon emission into the atmosphere. Unfortunately, most cars, as well as machines, exist in the urban set-up. Such an instance made it possible to increase the amount of emissions. The existence of electric cars, for instance, limits the production of such components, and that improves on key aspects related to climate.

Ideally, the outlined approaches are crucial since any delay in the implementation of actions to counter climate change can result in a state in which the government will not manage to change, and such can significantly affect progress in the region. The ability to consider the long-term effect of any action is critical, and the government should prioritize the lives of the public. Industrialization of cities stands as the stock of greenhouse gases, and the inability to take the right corrective measures into consideration is the main reason for a failed state. The government should use all the available avenues to foster growth and improve the well-being of individuals in various parts of the world.

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