

Engineering: The Motor of Transformation.



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During the last centuries, humanity has experimented a lot of improvements in the technological field such as the use of electricity, flying machines, the radio and the internet. The horizons of the imaginable world were expanded, but this started a long time ago, before the invention of the first plane, or the first motor; its beginning was in the instant in which humans began to experiment, investigate and create. From that moment on, engineering has been present in everyone's life. Probably, it is not perceived, but they play a very important role because each new discovery opens the gates to another one.

To illustrate, the discovery of metallurgy culminated in the first vapor motor, which was made of steel. This was the antecessor of the first internal combustion motor which was integrated into the Flyer I, the first sustentation plane. Altogether, these inventions resulted in the development of airplanes, and years later the first spacecraft.

Each little technological advance contributes to a bigger one, creating a succession of inventions. All these chains are linked, generating more grasps. The engineering's function is to join the knowledge generated through years of experience, to create improved technologies, and to implement them in innovative activities.

Nowadays, engineering has a huge impact in the world as we know it; we can see that in our homes there are many artifacts of daily use that had their beginnings in an engineer's workshop. Thanks to these little inventions used for practically everything, some activities or tasks are easier to accomplish than some years ago. That is why it is hard to imagine how the world would be without those discoveries. Since the moment they are introduced, many gadgets just take root in our lives.

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Because of the great quantity of ideas that have been provided to society in the last years, many people's interest in this field has grown considerably. Consequently, many high schools and universities have started programs to stimulate their students to develop their abilities and to educate specialized professionals in the field of engineering because they will play a significant role important in the near future world. Unfortunately, some people use this knowledge to create weapons and viruses to "defend their peace" against whoever steps on their way.

It is impossible to set the date when engineering became part of our lives because it came with the very first discoveries. Besides, it constitutes the motor that moves the mechanism used to generate new knowledge and inventions, using other ones as a basis; in other words, many little pieces of knowledge are assembled to create an advance in a common field. That is why it is important to support and give a good use to this activities. If we do it, there will be a better world and many people's will be profoundly improved.

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