



## - What is a robot?

A robot is a sort of mechatronic device (that combines mechanical, electronic and informatics) guided by a computer program or an electronic circuitry. It's an automatic machine capable of manipulating objects or executing operations control by a changing program. It can have several forms, such as humans, animals, etc...

## - How does it work?

There are a lot of technical and mechanical parts in a robot. His composition, if we can say it like this, is really complicated. We can find sensors, which permit the robot to detect the environment, a lot of electronic circuits, for his good operation, and some autonomies systems allowing the robot to react alone. When the robots are completely autonomic, they also have an onboard power source. All this material allows all the robots to correctly do the job they were asking to, like to aspirate dust in a house.

## - A bit of history... and about the future

The ancestors of the robots are the automatons. They appeared a long time ago, perhaps in the Greco-Roman antiquity.

One of the first examples of a human robot was the one created by Leonardo da Vinci in 1495. Over the century, the technology have improved, and so the different techniques of making robots. In the early 1870s, John Ericsson, John Louis



Lay and Victor von Scheliha invented remotely controlled torpedo, one of the first sorts of robot to fly. Until now, the evolution of the different types of robots had accelerated over the centuries. For example, in 1948, William Grey Walter created the first electronic autonomous robots. Nowadays, we almost found robots in every house, like the ones that we use in the kitchen or in the washroom.

A lot of scientists have some vision for the future. Certain wants to create real robots that could replace a husband, or an employer. We will certainly have some totally automatics hotels, or house in a few years, because of the ingenuity and inspiration of all the scientists working on robotic. When we will all be old, robots will have invaded us...