**Головня А.**

**CITIES OF FUTURE**

Almost every have heard about “smart city” or “cities of future”. Presently there are a few existing cities in the world, that embody the ideas of “smart city”. For example, first city is Masdar in Abu Dhabi. In my mind, the main feature this city is the very developed personal rapid transit system, that banned the automobiles. The personal rapid transit system is connected with other locations outside the city and with existing metro line of Abu Dhabi. The second city is Songdo in South Korea. The very interesting feature of this city is wide area network. This network included a lot of sensors, that located around the city and read the information about climate, atmosphere, traffic jams, etc. and the computers, that have been built in every house of city. This feature give the opportunity, to work, learn or for example undergo the medical examination at their houses, don't leaving it.

Generally, we can see the features of “smart cities” or another words “cities of future”: A lot of sensors in cities. For example it's can be smart lighting or smart roads, that can notify drivers about the quality of roads, traffic jams or safety of roads. It's can be also a Perimeter Access Control, that detect people in non-authorized areas, for example power plants. Cyber-Physical Space (Operation System), that register and handle the information from sensors. I think, that such system can fully take over a government of cities, because such systems work in strict algorithm, therefore the number of mistakes will be lower and such notion, as corruption will be disappear. Wind farms, solar or multi energy stations. I guess, that in future the cities will be independent from electricity station and will be produce own energy via renewable energy sources. Smart houses. I believe, that in future every house will be connect to Cyber-Physical Space and to wide area network. It will be give a big opportunity to make our life more easier and give us more time for our hobby, relationships, self-development and etc.

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